# Annex G: Word format presentation of the test suite for the NFV-MANO management Reference Point

## G.1 Overview

The present annex contains a tabular representation of the high-level test descriptions developed as part of ETSI GS NFV TST 010.

In order to maintain compatibility with previous versions of the deliverable, the numbering of clauses and subclauses is kept as defined in ETSI GS NFV-TST 010. Clauses G.2 to G.7 are therefore to be considered Void.

## G.8 Tabular test descriptions

### 8.3.1 NFV MANO Configuration And Information Management Interface

#### 8.3.1.1 NFVMANOEntity

##### 8.3.1.1.1 POST NFV-MANO entity - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.1 |
| **Test title** | POST NFV-MANO entity - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create an NFV-MANO Entity. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.3.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for NFV-MANO Entity  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.2 GET NFV-MANO entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.2 |
| **Test title** | Get NFV-MANO entity |
| **Test objective** | The objective is to test the retrieval of information about an NFV-MANO functional entity by reading the NFV-MANO entity resource and perform a JSON schema and content validation of the collected job data structure. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO entity resource  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoEntity | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.3 GET NFV-MANO entity - Not Found

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.3 |
| **Test title** | Get NFV-MANO entity - Not Found |
| **Test objective** | The objective is to test the retrieval of information about an NFV-MANO functional entity by reading the NFV-MANO entity resource fails when the resource is not present. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO entity resource  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.4 PUT NFV-MANO entity - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.4 |
| **Test title** | PUT NFV-MANO entity - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an NFV-MANO Entity. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.3.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for NFV-MANO Entity  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.5 PATCH NFV-MANO entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.5 |
| **Test title** | PATCH NFV-MANO entity |
| **Test objective** | The objective is to test that PATCH method modifies the NFV-MANO entity resource and perform a JSON schema and content validation of the modified response. |
| **Pre-conditions** | NFV-MANO entity resource is already created. |
| **Reference** | clause 5.5.3.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The NFV-MANO entity is modified by the operation |
| **Test Case** | |
| Send Patch request for NFV-MANO Entity  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoConfigModifications | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.6 PATCH NFV-MANO entity - Conflict

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.6 |
| **Test title** | PATCH NFV-MANO entity - Conflict |
| **Test objective** | The objective is to test that the modification of the NFV-MANO entity resource failed due to a conflict with the state of the NFV-MANO entity resource and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | NFV-MANO entity resource is already created. |
| **Reference** | clause 5.5.3.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The NFV-MANO entity is not modified by the operation |
| **Test Case** | |
| Send Patch request for NFV-MANO Entity  Check HTTP Response Status Code Is 409 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.7 PATCH NFV-MANO entity - PreCondition Failed

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.7 |
| **Test title** | PATCH NFV-MANO entity - PreCondition Failed |
| **Test objective** | The objective is to test that the modification of the NFV-MANO entity resource failed because precondition given in an HTTP request header is not fulfilled and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | NFV-MANO entity resource is already created. |
| **Reference** | clause 5.5.3.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The NFV-MANO entity is not modified by the operation |
| **Test Case** | |
| Send Patch request for NFV-MANO Entity  Check HTTP Response Status Code Is 412 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

##### 8.3.1.1.8 DELETE NFV-MANO entity - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.1.8 |
| **Test title** | DELETE NFV-MANO entity - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete an NFV-MANO Entity. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.3.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for NFV-MANO Entity  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOEntity.robot>

#### 8.3.1.2 ChangeNFVMANOEntityStateTask

##### 8.3.1.2.1 POST NFV-MANO functional entity application state change

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.2.1 |
| **Test title** | POST NFV-MANO functional entity application state change |
| **Test objective** | The objective is to request state change of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | entity status changed |
| **Test Case** | |
| Send Post request for NFV-MANO functional entity application state change  Check HTTP Response Status Code Is 202 Check HTTP Response Header Contains Location  Wait for entity state change success notification and validate status | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeNFVMANOEntityStateTask.robot>

##### 8.3.1.2.2 POST NFV-MANO functional entity application state change - Conflict

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.2.2 |
| **Test title** | POST NFV-MANO functional entity application state change - Conflict |
| **Test objective** | The objective is to test that request to change the state of the NFV-MANO functional entity application fails due to a conflict with the state of the NFV-MANO entity resource and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for NFV-MANO functional entity application state change  Check HTTP Response Status Code Is 409 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeNFVMANOEntityStateTask.robot>

##### 8.3.1.2.3 GET NFV-MANO functional entity application state change - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.2.3 |
| **Test title** | GET NFV-MANO functional entity application state change - Method not implemented |
| **Test objective** | The objective is to test that GET method is not allowed to retrieve the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Get request for NFV-MANO functional entity application state change  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeNFVMANOEntityStateTask.robot>

##### 8.3.1.2.4 PUT NFV-MANO functional entity application state change - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.2.4 |
| **Test title** | PUT NFV-MANO functional entity application state change - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.7.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for NFV-MANO functional entity application state change  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeNFVMANOEntityStateTask.robot>

##### 8.3.1.2.5 PATCH NFV-MANO functional entity application state change - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.2.5 |
| **Test title** | PATCH NFV-MANO functional entity application state change - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to update the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.7.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for NFV-MANO functional entity application state change  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeNFVMANOEntityStateTask.robot>

##### 8.3.1.2.6 DELETE NFV-MANO functional entity application state change - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.2.6 |
| **Test title** | DELETE NFV-MANO functional entity application state change - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.7.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for NFV-MANO functional entity application state change  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeNFVMANOEntityStateTask.robot>

#### 8.3.1.3 ChangeStateOperationOccurrences

##### 8.3.1.3.1 POST Change State Operation Occurrences - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.1 |
| **Test title** | POST Change State Operation Occurrences - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Change State Operation Occurrences  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.2 GET Change State Operation Occurrences

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.2 |
| **Test title** | GET Change State Operation Occurrences |
| **Test objective** | The objective is to query status information about multiple change state operation occurrences, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOccs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.3 GET Change State Operation Occurrences - invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.3 |
| **Test title** | GET Change State Operation Occurrences - invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of Change State Operation Occurrences fails when using invalid attribute-based filter, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with invalid filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.4 GET Change State Operation Occurrences - invalid attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.4 |
| **Test title** | GET Change State Operation Occurrences - invalid attribute selector |
| **Test objective** | The objective is to test that the retrieval of Change State Operation Occurrences fails when using invalid attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with invalid selector  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.5 GET Change State Operation Occurrences - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.5 |
| **Test title** | GET Change State Operation Occurrences - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of Change State Operation Occurrences fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.6 GET Change State Operation Occurrences with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.6 |
| **Test title** | GET Change State Operation Occurrences with attribute-based filter |
| **Test objective** | The objective is to query status information about multiple change state operation occurrences with attribute filters, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.7 GET Change State Operation Occurrences with "all\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.7 |
| **Test title** | GET Change State Operation Occurrences with "all\_fields" attribute selector |
| **Test objective** | The objective is to retrieve Change State Operation Occurrences with "all\_fields" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.8 GET Change State Operation Occurrences with "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.8 |
| **Test title** | GET Change State Operation Occurrence with "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve Change State Operation Occurrence with "exclude\_default" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with exclude\_default attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.9 GET Change State Operation Occurrences with "fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.9 |
| **Test title** | GET Change State Operation Occurrences with "fields" attribute selector |
| **Test objective** | The objective is to retrieve Change State Operation Occurrences with fields attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.10 GET Change State Operation Occurrences with "exclude\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.10 |
| **Test title** | GET Change State Operation Occurrences with "exclude\_fields" attribute selector |
| **Test objective** | The objective is to retrieve Change State Operation Occurrences with "exclude\_fields" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with exclude\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.11 GET Change State Operation Occurrences with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.11 |
| **Test title** | GET Change State Operation Occurrence with Paged Response |
| **Test objective** | The objective is to query Change State Operation Occurrence to get Paged Response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.12 GET Change State Operation Occurrences with "fields" and "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.12 |
| **Test title** | GET Change State Operation Occurrences with "fields" and "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve Change State Operation Occurrences with fields and exclude default attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Change State Operation Occurrences with fields and exclude\_default attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.13 PUT Change State Operation Occurrences - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.13 |
| **Test title** | PUT Change State Operation Occurrences - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Change State Operation Occurrences  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.14 PATCH Change State Operation Occurrences - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.14 |
| **Test title** | PATCH Change State Operation Occurrences - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for Change State Operation Occurrences  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

##### 8.3.1.3.15 DELETE Change State Operation Occurrences - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.3.15 |
| **Test title** | DELETE Change State Operation Occurrences - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Change State Operation Occurrences  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeStateOperationOccurrences.robot>

#### 8.3.1.4 IndividualStateChangeOperationOccurrence

##### 8.3.1.4.1 POST Individual Change State Operation Occurrence - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.4.1 |
| **Test title** | POST Individual Change State Operation Occurrence - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.9.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Individual Change State Operation Occurrence  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualStateChangeOperationOccurrence.robot>

##### 8.3.1.4.2 GET Individual Change State Operation Occurrence

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.4.2 |
| **Test title** | GET Individual Change State Operation Occurrence |
| **Test objective** | The objective is to query status information about Individual change state operation occurrence. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.9.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Change State Operation Occurrence  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ChangeStateOpOcc | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualStateChangeOperationOccurrence.robot>

##### 8.3.1.4.3 GET Individual Change State Operation Occurrence - Not Found

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.4.3 |
| **Test title** | GET Individual Change State Operation Occurrence - Not Found |
| **Test objective** | The objective is to test the retrieval of information about individual change state operation occurence fails when the resource is not present. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.9.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Change State Operation Occurrence  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualStateChangeOperationOccurrence.robot>

##### 8.3.1.4.4 PUT Individual Change State Operation Occurrence - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.4.4 |
| **Test title** | PUT Individual Change State Operation Occurrence - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.9.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Individual Change State Operation Occurrence  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualStateChangeOperationOccurrence.robot>

##### 8.3.1.4.5 PATCH Individual Change State Operation Occurrence - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.4.5 |
| **Test title** | PATCH Individual Change State Operation Occurrence - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.9.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for Individual Change State Operation Occurrence  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualStateChangeOperationOccurrence.robot>

##### 8.3.1.4.6 DELETE Individual Change State Operation Occurrence - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.4.6 |
| **Test title** | DELETE Individual Change State Operation Occurrence - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.9.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Individual Change State Operation Occurrence  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualStateChangeOperationOccurrence.robot>

#### 8.3.1.5 NFVMANOServiceInterfaces

##### 8.3.1.5.1 POST NFV-MANO Service Interfaces - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.1 |
| **Test title** | POST NFV-MANO Service Interfaces - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.2 GET NFV-MANO Service Interfaces

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.2 |
| **Test title** | GET NFV-MANO Service Interfaces |
| **Test objective** | The objective is to query status information about multiple NFV-MANO service interfaces of the NFV-MANO functional entity, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.3 GET NFV-MANO Service Interfaces - invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.3 |
| **Test title** | GET NFV-MANO Service Interfaces - invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO Service Interfaces fails when using invalid attribute-based filter, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with invalid filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.4 GET NFV-MANO Service Interfaces - invalid attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.4 |
| **Test title** | GET NFV-MANO Service Interfaces - invalid attribute selector |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO Service Interfaces fails when using invalid attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with invalid selector  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.5 GET NFV-MANO Service Interfaces - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.5 |
| **Test title** | GET NFV-MANO Service Interfaces - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO Service Interfaces fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.6 GET NFV-MANO Service Interfaces with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.6 |
| **Test title** | GET NFV-MANO Service Interfaces with attribute-based filter |
| **Test objective** | The objective is to query status information about multiple NFV-MANO service interfaces of the NFV-MANO functional entities with attribute filters, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.7 GET NFV-MANO Service Interfaces with "all\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.7 |
| **Test title** | GET NFV-MANO Service Interface with "all\_fields" attribute selector |
| **Test objective** | The objective is to retrieve NFV-MANO Service Interfaces with "all\_fields" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.8 GET NFV-MANO Service Interfaces with "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.8 |
| **Test title** | GET NFV-MANO Service Interfaces with "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve NFV-MANO Service Interfaces with "exclude\_default" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.9 GET NFV-MANO Service Interfaces with "fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.9 |
| **Test title** | GET NFV-MANO Service Interfaces with "fields" attribute selector |
| **Test objective** | The objective is to retrieve NFV-MANO Service Interfaces with fields attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.10 GET NFV-MANO Service Interfaces with "exclude\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.10 |
| **Test title** | GET NFV-MANO Service Interfaces with "exclude\_fields" attribute selector |
| **Test objective** | The objective is to retrieve NFV-MANO Service Interfaces with "exclude\_fields" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with exclude\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.11 GET NFV-MANO Service Interfaces with "exclude\_default" and "fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.11 |
| **Test title** | GET NFV-MANO Service Interfaces with "exclude\_default" and "fields" attribute selector |
| **Test objective** | The objective is to retrieve NFV-MANO Service Interfaces with "exclude\_default" and "fields" attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces with exclude\_default and fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaces | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.12 GET NFV-MANO Service Interfaces with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.12 |
| **Test title** | GET NFV-MANO Service Interfaces with Paged Response |
| **Test objective** | The objective is to query NFV-MANO Service Interface to get Paged Response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.13 PUT NFV-MANO Service Interfaces - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.13 |
| **Test title** | PUT NFV-MANO Service Interfaces - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.14 PATCH NFV-MANO Service Interfaces - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.14 |
| **Test title** | PATCH NFV-MANO Service Interfaces - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

##### 8.3.1.5.15 DELETE NFV-MANO Service Interfaces - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.5.15 |
| **Test title** | DELETE NFV-MANO Service Interfaces - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.10.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for NFV-MANO Service Interfaces  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NFVMANOServiceInterfaces.robot>

#### 8.3.1.6 IndividualNFVMANOServiceInterface

##### 8.3.1.6.1 POST Individual NFV-MANO Service Interface - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.1 |
| **Test title** | POST Individual NFV-MANO Service Interface - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.11.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.2 GET Individual NFV-MANO Service Interface

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.2 |
| **Test title** | GET Individual NFV-MANO Service Interface |
| **Test objective** | The objective is to query status information about an NFV-MANO service interface of the producer NFV-MANO functional entity by reading an "Individual NFV-MANO service interface" resource, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.11.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterface | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.3 GET Individual NFV-MANO Service Interface - Not Found

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.3 |
| **Test title** | GET Individual NFV-MANO Service Interface - Not Found |
| **Test objective** | The objective is to test the retrieval of information about an NFV-MANO service interface of the producer NFV-MANO functional entity by reading an "Individual NFV-MANO service interface" resource fails when the resource is not present. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.11.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.4 PUT Individual NFV-MANO Service Interface - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.4 |
| **Test title** | PUT Individual NFV-MANO Service Interface - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.11.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.5 PATCH Individual NFV-MANO Service Interface

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.5 |
| **Test title** | PATCH Individual NFV-MANO Service Interface |
| **Test objective** | This method modifies the Individual NFV-MANO Service Interface resource, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | Individual NFV-MANO Service Interface resource is already created. |
| **Reference** | clause 5.5.11.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The Individual NFV-MANO Service Interface is modified by the operation |
| **Test Case** | |
| Send Patch request for Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaceModifications | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.6 PATCH Individual NFV-MANO Service Interface - Conflict

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.6 |
| **Test title** | PATCH Individual NFV-MANO Service Interface - Conflict |
| **Test objective** | The objective is to test that the modification of the Individual NFV-MANO Service Interface resource failed due to a conflict with the state of the Individual NFV-MANO Service Interface resource and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | Individual NFV-MANO Service Interface resource is already created. |
| **Reference** | clause 5.5.11.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The Individual NFV-MANO Service Interface is not modified by the operation |
| **Test Case** | |
| Send Patch request for Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 409 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.7 PATCH Individual NFV-MANO Service Interface - PreCondition Failed

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.7 |
| **Test title** | PATCH Individual NFV-MANO Service Interface - PreCondition Failed |
| **Test objective** | The objective is to test that the modification of the Individual NFV-MANO Service Interface resource failed because precondition given in an HTTP request header is not fulfilled and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | Individual NFV-MANO Service Interface resource is already created. |
| **Reference** | clause 5.5.11.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The Individual NFV-MANO Service Interface is not modified by the operation |
| **Test Case** | |
| Send Patch request for Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 412 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

##### 8.3.1.6.8 DELETE Individual NFV-MANO Service Interface - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.6.8 |
| **Test title** | DELETE Individual NFV-MANO Service Interface - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.11.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Individual NFV-MANO Service Interface  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualNFVMANOServiceInterface.robot>

#### 8.3.1.7 ChangeInterfaceStateTask

##### 8.3.1.7.1 POST Change interface state task

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.7.1 |
| **Test title** | POST Change interface state task |
| **Test objective** | The objective is send put request to change the state of the NFV-MANO service interface produced by the NFV-MANO functional entity |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.12.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | interface status changed |
| **Test Case** | |
| Send Post request for Change interface state task  Check HTTP Response Status Code Is 202 Check HTTP Response Header Contains Location  Check PostCondition NFV-MANO service interface state matches the requested state | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeInterfaceStateTask.robot>

##### 8.3.1.7.2 POST Change interface state task - Conflict

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.7.2 |
| **Test title** | POST Change interface state task - Conflict |
| **Test objective** | The objective is to test that request to cchange the state of the NFV-MANO service interface produced by the NFV-MANO functional entity failed due to a conflict with the state of the NFV-MANO entity resource and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.12.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Change interface state task  Check HTTP Response Status Code Is 409 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeInterfaceStateTask.robot>

##### 8.3.1.7.3 GET Change interface state task - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.7.3 |
| **Test title** | GET Change interface state task - Method not implemented |
| **Test objective** | The objective is to test that GET method is not allowed to retrieve the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.12.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Get request for Change interface state task  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeInterfaceStateTask.robot>

##### 8.3.1.7.4 PUT Change interface state task - Conflict - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.7.4 |
| **Test title** | PUT Change interface state task - Conflict - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.12.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Change interface state task  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeInterfaceStateTask.robot>

##### 8.3.1.7.5 PATCH Change interface state task - Conflict - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.7.5 |
| **Test title** | PATCH Change interface state task - Conflict - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to update the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.12.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for Change interface state task  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeInterfaceStateTask.robot>

##### 8.3.1.7.6 DELETE Change interface state task - Conflict - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.7.6 |
| **Test title** | DELETE Change interface state task - Conflict - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete the changed state of the NFV-MANO functional entity application. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.12.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Change interface state task  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ChangeInterfaceStateTask.robot>

#### 8.3.1.8 PeerEntities

##### 8.3.1.8.1 POST Peer Entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.1 |
| **Test title** | POST Peer Entity |
| **Test objective** | The objective is to creates in the producer NFV-MANO functional entity a new peer entity resource which contains configuration and information with regards to the peer functional entity and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Peer Entity is created |
| **Test Case** | |
| Send Post request for Peer Entity  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is PeerEntity Check HTTP Response Header Contains Location  Check Postcondition Peer Entity Resource is created | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.2 GET Peer Entities

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.2 |
| **Test title** | GET Peer Entities |
| **Test objective** | The objective is to query information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.3 GET Peer Entities - invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.3 |
| **Test title** | GET Peer Entities - invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities fails when using invalid attribute-based filter, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with invalid filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.4 GET Peer Entities - invalid attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.4 |
| **Test title** | GET Peer Entities - invalid attribute selector |
| **Test objective** | The objective is to test that the retrieval of information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities fails when using invalid attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with invalid selector  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.5 GET Peer Entities - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.5 |
| **Test title** | GET Peer Entities - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.6 GET Peer Entities with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.6 |
| **Test title** | GET Peer Entities with attribute-based filter |
| **Test objective** | The objective is to query information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities with attribute filters, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.7 GET Peer Entities with "all\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.7 |
| **Test title** | GET Peer Entities with "all\_fields" attribute selector |
| **Test objective** | The objective is to retrieve information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities with "all\_fields" attribute selector, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.8 GET Peer Entities with "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.8 |
| **Test title** | GET Peer Entities with "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities with "exclude\_default" attribute selector, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.9 GET Peer Entities with "fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.9 |
| **Test title** | GET Peer Entities with "fields" attribute selector |
| **Test objective** | The objective is to retrieve information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities with fields attribute selector, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.10 GET Peer Entities with "exclude\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.10 |
| **Test title** | GET Peer Entities with "exclude\_fields" attribute selector |
| **Test objective** | The objective is to retrieve information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities with "exclude\_fields" attribute selector, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities with exclude\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.11 GET Peer Entities with "exclude\_default" and "fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.11 |
| **Test title** | GET Peer Entities with "exclude\_default" and "fields" attribute selector |
| **Test objective** | The objective is to retrieve information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities with "exclude\_default" and "fields" attribute selector, and perform the JSON schema validation of the returned job data structure. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entity with exclude\_default and fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntities | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.12 GET Peer Entity with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.12 |
| **Test title** | GET Peer Entity with Paged Response |
| **Test objective** | The objective is to query information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities to get Paged Response. |
| **Pre-conditions** | At least one Peer Entity is already created. |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Peer Entities  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.13 Get Peer Entity with malformed authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.13 |
| **Test title** | Get Peer Entity with malformed authorization token |
| **Test objective** | The objective is to test that the retrieval of information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities fails when using malformed authorization token. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The Peer Entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Peer Entities with malformed authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.14 Get Peer Entity without authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.14 |
| **Test title** | Get Peer Entity without authorization token |
| **Test objective** | The objective is to test that the retrieval of information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities fails when omitting the authorization token. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The Peer Entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Peer Entities without authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.15 GET information about multiple alarms with expired or revoked authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.15 |
| **Test title** | GET information about multiple alarms with expired or revoked authorization token |
| **Test objective** | The objective is to test that the retrieval of information and configuration in the producer NFV-MANO functional entity with regards to multiple peer entities fails when using expired or revoked authorization token. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The Peer Entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Peer Entities with expired or revoked authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.16 PUT Peer Entities - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.16 |
| **Test title** | PUT Peer Entities - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Peer Entities  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.17 PATCH Peer Entities - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.17 |
| **Test title** | PATCH Peer Entities - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for Peer Entities  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

##### 8.3.1.8.18 DELETE Peer Entities - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.8.18 |
| **Test title** | DELETE Peer Entities - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.13.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Peer Entities  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/PeerEntities.robot>

#### 8.3.1.9 IndividualPeerEntity

##### 8.3.1.9.1 POST Individual Peer Entity - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.1 |
| **Test title** | POST Individual Peer Entity - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.14.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Individual Peer Entity  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.2 GET Individual Peer Entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.2 |
| **Test title** | GET Individual Peer Entity |
| **Test objective** | The objective is to retrieves information and configuration hold in the producer NFV-MANO functional entity with regards to a peer entity by reading an individual peer entity resource |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.14.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Peer Entity  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PeerEntity | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.3 GET Individual Peer Entity - Not Found

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.3 |
| **Test title** | GET Individual Peer Entity - Not Found |
| **Test objective** | The objective is to test the retrieval of information and configuration hold in the producer NFV-MANO functional entity with regards to a peer entity by reading an individual peer entity resource fails when the resource is not present. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.14.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Peer Entity  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.4 PUT Individual Peer Entity - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.4 |
| **Test title** | PUT Individual Peer Entity - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.14.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Individual Peer Entity  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.5 PATCH Individual Peer Entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.5 |
| **Test title** | PATCH Individual Peer Entity |
| **Test objective** | This method modifies configuration and information of the producer NFV-MANO functional entity with regards to a peer functional entity by updating the corresponding "Individual peer entity" resource. |
| **Pre-conditions** | At least one Peer Entity resource is created |
| **Reference** | clause 5.5.14.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Peer Entity Resource is modified by the operation |
| **Test Case** | |
| Send Patch request for Individual Peer Entity  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ManoServiceInterfaceModifications | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.6 PATCH Individual Peer Entity - Conflict

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.6 |
| **Test title** | PATCH Individual Peer Entity - Conflict |
| **Test objective** | The objective is to test that the modification of configuration and information of the producer NFV-MANO functional entity with regards to a peer functional entity by updating the corresponding "Individual peer entity" resource failed due to a conflict with the state of the Individual Peer Entity resource and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one Peer Entity resource is created |
| **Reference** | clause 5.5.14.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Peer Entity Resource is not modified by the operation |
| **Test Case** | |
| Send Patch request for Individual Peer Entity  Check HTTP Response Status Code Is 409 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.7 PATCH Individual Peer Entity - PreCondition Failed

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.7 |
| **Test title** | PATCH Individual Peer Entity - PreCondition Failed |
| **Test objective** | The objective is to test that the modification of the Individual Peer Entity resource failed because precondition given in an HTTP request header is not fulfilled and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one Peer Entity resource is created |
| **Reference** | clause 5.5.14.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Peer Entity Resource is not modified by the operation |
| **Test Case** | |
| Send Patch request for Individual Peer Entity  Check HTTP Response Status Code Is 412 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

##### 8.3.1.9.8 DELETE Individual Peer Entity - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.9.8 |
| **Test title** | DELETE Individual Peer Entity - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemeted. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.14.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Individual Peer Entity  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualPeerEntity.robot>

#### 8.3.1.10 Subscriptions

##### 8.3.1.10.1 GET all Subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.1 |
| **Test title** | GET all Subscriptions |
| **Test objective** | The objective is to test the retrieval list of active subscriptions of API consumer and perform a JSON schema validation of the returned subscriptions data structure. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is CimSubscriptions | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.2 GET Subscriptions with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.2 |
| **Test title** | GET Subscriptions with attribute-based filter |
| **Test objective** | The objective is to test the retrieval of active subscriptions list of API consumer using attribute-based filter and perform a JSON schema validation of the collected indicators data structure. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Subscriptions with attribute-based filters  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is CimSubscriptions | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.3 GET Subscriptions with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.3 |
| **Test title** | GET Subscriptions with Paged Response |
| **Test objective** | The objective is to query information of active subscriptions list to of API consumer to get Paged Response. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** |  |
| **Post-Conditions** |  |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.4 GET Subscriptions - invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.4 |
| **Test title** | GET Subscriptions - invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of active subscriptions list of API consumer fails when using invalid attribute-based filters, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Subscriptions with invalid attribute-based filters  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.5 GET Subscriptions - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.5 |
| **Test title** | GET Subscriptions - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of active subscriptions list of API consumer fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.6 GET Subscriptions - invalid resource endpoint

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.6 |
| **Test title** | GET Subscriptions - invalid resource endpoint |
| **Test objective** | The objective is to test that the retrieval of active subscriptions list of API consumer fails when using invalid resource endpoint. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.7 POST Create new Subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.7 |
| **Test title** | Create new Subscription |
| **Test objective** | The objective is to test the creation of a new subscription and perform a JSON schema and content validation of the returned subscription data structure |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The subscription is successfully set and it matches the issued subscription |
| **Test Case** | |
| Send Post Request for Subscription  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is CimSubscription Check HTTP Response Body CimSubscription Attributes Values Match the Issued Subscription  Check Postcondition Subscription Is Set | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.8 POST Create request for duplicated Subscription not creating duplicated subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.8 |
| **Test title** | Create request for duplicated Subscription not creating duplicated subscriptions |
| **Test objective** | The objective is to test the attempt of a creation of a duplicated subscription failed and check that no new subscription is created and a link to the original subscription is returned |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO does not support the creation of duplicated subscriptions |
| **Post-Conditions** | The existing Subscription returned is available in the NFV-MANO |
| **Test Case** | |
| Send Post Request for Duplicated Subscription  Check HTTP Response Status Code Is 303 Check HTTP Response Body Is Empty  Check HTTP Response Header Contains Location Check Postcondition Subscription Resource Returned in Location Header Is Available | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.9 POST Create request for duplicated Subscription creating duplicated subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.9 |
| **Test title** | Create request for duplicated Subscription creating duplicated subscriptions |
| **Test objective** | The objective is to test the creation of a duplicated subscription and perform a JSON schema and content validation of the returned duplicated subscription data structure |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO supports the creation of duplicated subscriptions |
| **Post-Conditions** | The duplicated subscription is successfully set and it matches the issued subscription |
| **Test Case** | |
| Send Post Request for Duplicated Subscription  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is PmSubscription Check HTTP Response Body CimSubscription Attributes Values Match the Issued Subscription  Check Postcondition Subscription Is Set | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.10 PUT Subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.10 |
| **Test title** | PUT Subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to modify subscriptions |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.4.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put Request for Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.11 PATCH Subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.11 |
| **Test title** | PATCH Subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to update subscriptions |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch Request for Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.12 DELETE Subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.12 |
| **Test title** | DELETE Subscriptions - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete subscriptions |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.4.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete Request for Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

##### 8.3.1.10.13 POST Create a new subscription - Unprocessable Entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.10.13 |
| **Test title** | POST Create a new Subscription - Unprocessable Entity |
| **Test objective** | The objective is to test that a new subscription is not created if the notification endpoint is unreachable by the NFV-MANO. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Notification endpoint is unreachable by the NFV-MANO |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post Request for Subscription with Unreachable callbackUri  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Subscriptions.robot>

#### 8.3.1.11 IndividualSubscription

##### 8.3.1.11.1 GET Individual Subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.1 |
| **Test title** | GET Individual Subscription |
| **Test objective** | The objective is to test the retrieval of individual subscription and perform a JSON schema and content validation of the returned subscription data structure |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Subscription  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is CimSubscription Check HTTP Response Body Subscription Identifier matches the requested Subscription | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

##### 8.3.1.11.2 GET Individual Subscription - invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.2 |
| **Test title** | GET Individual Subscription - invalid resource identifier |
| **Test objective** | The objective is to test that the retrieval of an individual subscription fails when using an invalid resource identifier |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual Subscription with invalid resource identifier  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

##### 8.3.1.11.3 DELETE Individual Subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.3 |
| **Test title** | DELETE Individual Subscription |
| **Test objective** | The objective is to test the deletion of an individual subscription |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.5.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The resource is not available anymore in the NFV-MANO |
| **Test Case** | |
| Send Delete request for individual Subscription  Check HTTP Response Status Code Is 204 Check Postcondition Subscription is Deleted | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

##### 8.3.1.11.4 DELETE Individual Subscription - invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.4 |
| **Test title** | DELETE Individual Subscription - invalid resource identifier |
| **Test objective** | The objective is to test that the deletion of an individual subscription fails when using an invalid resource identifier |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.5.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for individual Subscription with invalid resource identifier  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

##### 8.3.1.11.5 POST Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.5 |
| **Test title** | POST Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create a new Subscription |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

##### 8.3.1.11.6 PUT Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.6 |
| **Test title** | PUT Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing subscription |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.5.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

##### 8.3.1.11.7 PATCH Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.11.7 |
| **Test title** | PATCH Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify an existing subscription |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.5.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/IndividualSubscription.robot>

#### 8.3.1.12 Notifications

##### 8.3.1.12.1 Information Changed Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.12.1 |
| **Test title** | Information Changed Notification |
| **Test objective** | The objective is to test the dispatch of Information Changed Notification when configuration or information is changed in the NFV-MANO, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A subscription for information availability notifications is available in the NFV-MANO. |
| **Reference** | clause 5.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the availability of Information Changed Notification (external action)  Check Information Changed Notification Available Http POST Request Body Json Schema Is InformationChangedNotification Check Information Changed Notification Available Http POST Request Body notificationType attribute Is InformationChangedNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Notifications.robot>

##### 8.3.1.12.2 Change State Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.12.2 |
| **Test title** | Change State Notification |
| **Test objective** | The objective is to test the dispatch of Change State Notification when state changes of the NFV-MANO functional entity and its managed objects, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A performance job is created, and a state change subscription is available in the NFV-MANO. |
| **Reference** | clause 5.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANOz |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the cross of Change State (external action)  Check Change State Notification Http POST Request Body Json Schema Is ChangeStateNotification Check Change State Notification Http POST Request Body notificationType attribute Is ChangeStateNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/Notifications.robot>

#### 8.3.1.13 ApiVersion

##### 8.3.1.13.1 POST API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.1 |
| **Test title** | POST API version - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.2 GET API Version

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.2 |
| **Test title** | GET API Version |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.3 PUT API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.3 |
| **Test title** | PUT API Version - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.4 PATCH API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.4 |
| **Test title** | PATCH API Version - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.5 DELETE API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.5 |
| **Test title** | DELETE API Version - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.6 POST API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.6 |
| **Test title** | POST API version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.7 GET API Version with apiMajorVerion

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.7 |
| **Test title** | GET API Version with apiMajorVerion |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.8 PUT API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.8 |
| **Test title** | PUT API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.9 PATCH API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.9 |
| **Test title** | PATCH API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

##### 8.3.1.13.10 DELETE API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.13.10 |
| **Test title** | DELETE API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/ApiVersion.robot>

#### 8.3.1.14 NotificationEndpoint

##### 8.3.1.14.1 Information Changed Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.14.1 |
| **Test title** | Information Changed Notification |
| **Test objective** | The objective is to test that Information Changed Notification is delivered with success to the notification consumer |
| **Pre-conditions** | A subscription for information availability notification is available in the NFV-MANO. |
| **Reference** | clause 5.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST Information Changed Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NotificationEndpoint.robot>

##### 8.3.1.14.2 Change State Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.1.14.2 |
| **Test title** | Change State Notification |
| **Test objective** | The objective is to test that Change State Notification is delivered with success to the notification consumer |
| **Pre-conditions** | A subscription for change state notification is available in the NFV-MANO. |
| **Reference** | clause 5.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST Change State Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVManoConfigurationAndInformationManagement-API/NotificationEndpoint.robot>

### 8.3.2 NFV MANO Performance Management interface

#### 8.3.2.1 PMJobs

##### 8.3.2.1.1 POST Create new NFV-MANO Performance Monitoring Job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.1 |
| **Test title** | POST Create a new NFV-MANO Performance Monitoring Job |
| **Test objective** | The objective is to test the creation of a new NFV-MANO performance monitoring job and perform the JSON schema validation of the returned job data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The NFV-MANO Performance Job is successfully created on the NFV-MANO |
| **Test Case** | |
| Send Post Request to create new NFV-MANO Performance Monitoring Job  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is PmJob Check Postcondition PmJob Exists | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.2 GET all NFV-MANO Performance Monitoring Jobs

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.2 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs |
| **Test objective** | The objective is to test the retrieval of all the available NFV-MANO performance monitoring jobs and perform a JSON schema validation |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET all NFV-MANO Performance Monitoring Jobs  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.3 GET NFV-MANO Performance Monitoring Jobs with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.3 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs with attribute-based filter |
| **Test objective** | The objective is to test the retrieval of NFV-MANO performance monitoring jobs using attribute-based filter, perform a JSON schema validation of the collected jobs data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with attribute-based filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.4 GET all NFV-MANO Performance Monitoring Jobs with all\_fields attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.4 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs with all\_fields attribute selector |
| **Test objective** | The objective is to test the retrieval of all NFV-MANO performance monitoring jobs all\_fields attribute selector, perform a JSON schema validation of the collected jobs data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.5 GET all NFV-MANO Performance Monitoring Jobs with exclude\_default attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.5 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs with exclude\_default attribute selector |
| **Test objective** | The objective is to test the retrieval of all NFV-MANO performance monitoring jobs exclude\_default attribute selector, perform a JSON schema validation of the collected jobs data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with exclude\_default attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.6 GET all NFV-MANO Performance Monitoring Jobs with fields attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.6 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs with fields attribute selector |
| **Test objective** | The objective is to test the retrieval of all NFV-MANO performance monitoring jobs fields attribute selector, perform a JSON schema validation of the collected jobs data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO supports the use of fields attribute selector |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.7 GET all NFV-MANO Performance Monitoring Jobs with exclude\_fields attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.7 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs with exclude\_fields attribute selector |
| **Test objective** | The objective is to test the retrieval of all NFV-MANO performance monitoring jobs exclude\_fields attribute selector, perform a JSON schema validation of the collected jobs data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO supports the use of exclude\_fields attribute selector |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with exclude\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.8 GET NFV-MANO Performance Monitoring Jobs with invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.8 |
| **Test title** | GET NFV-MANO Performance Monitoring Jobs with invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO performance monitoring jobs fails when using invalid attribute-based filter, and perform the JSON schema validation of the failed operation HTTP response |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with invalid attribute-based filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.9 GET NFV-MANO Performance Monitoring Jobs with invalid attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.9 |
| **Test title** | GET NFV-MANO Performance Monitoring Jobs with invalid resource endpoint |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO performance monitoring jobs fails with invalid attribute selector |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with invalid attribute selector  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.10 GET information about multiple Performance Monitoring Jobs to get Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.10 |
| **Test title** | GET information about multiple Performance Monitoring Jobs to get Paged Response |
| **Test objective** | The objective is to retrieve information about the performance monitoring jobs to get paged response |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET all NFV-MANO Performance Monitoring Jobs  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.11 GET information about multiple Performance Monitoring Jobs for Bad Request Response too big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.11 |
| **Test title** | GET information about multiple Performance Monitoring Jobs for Bad Request Response too big |
| **Test objective** | The objective is to test that GET method fail retrieving status information about performance monitoring jobs when Response is too big, and perform the JSON schema validation of the failed operation HTTP response |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET all NFV-MANO Performance Monitoring Jobs  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.12 GET information about multiple Performance Monitoring Jobs with "fields" and "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.12 |
| **Test title** | GET all NFV-MANO Performance Monitoring Jobs with "fields" and "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve all performance monitoring jobs with fields and exclude default attribute selector, and perform the JSON schema validation of the HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 5.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET NFV-MANO Performance Monitoring Jobs with fields and exclude\_default attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.13 Get information about multiple Performance Monitoring Jobs with malformed authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.13 |
| **Test title** | Get information about multiple Performance Monitoring Jobs with malformed authorization token |
| **Test objective** | The objective is to test that the retrieval of information about Performance Monitoring Jobs fails when using malformed authorization token |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Performance Monitoring Jobs with malformed authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.14 Get information about multiple Performance Monitoring Jobs without authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.14 |
| **Test title** | Get information about multiple Performance Monitoring Jobs without authorization token |
| **Test objective** | The objective is to test that the retrieval of information about Performance Monitoring Jobs fails when omitting the authorization token |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Performance Monitoring Jobs without authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.15 GET information about multiple Performance Monitoring Jobs with expired or revoked authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.15 |
| **Test title** | GET information about multiple Performance Monitoring Jobs with expired or revoked authorization token |
| **Test objective** | The objective is to test that the retrieval of information about Performance Monitoring Jobs fails when using expired or revoked authorization token |
| **Pre-conditions** | One or more Network Service Descriptors are onboarded in the NFVO |
| **Reference** | clause 6.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Performance Monitoring Jobs with expired or revoked authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.16 PUT all NFV-MANO Performance Monitoring Jobs - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.16 |
| **Test title** | PUT all NFV-MANO Performance Monitoring Jobs - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to modify NFV-MANO Performance Monitoring Jobs |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send PUT Request for all NFV-MANO Performance Monitoring Jobs  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.17 PATCH all NFV-MANO Performance Monitoring Jobs - (Method not implemented)

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.17 |
| **Test title** | PATCH all NFV-MANO Performance Monitoring Jobs - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to update NFV-MANO Performance Monitoring Jobs |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send PATCH Request for all NFV-MANO Performance Monitoring Jobs  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.18 DELETE all NFV-MANO Performance Monitoring Jobs - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.18 |
| **Test title** | DELETE all NFV-MANO Performance Monitoring Jobs - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to update NFV-MANO Performance Monitoring Jobs |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.3.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send DELETE Request for all NFV-MANO Performance Monitoring Jobs  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

##### 8.3.2.1.19 POST Create new NFV-MANO Performance Monitoring Job - Unreachable Notification Endpoint

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.1.19 |
| **Test title** | POST Create a new NFV-MANO Performance Monitoring Job |
| **Test objective** | The objective is to test that a new NFV\_MANO Performance Monitoring Job is not created if the notification endpoint is unreachable by the NFV-MANO. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.3.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Notification endpoint is unreachable by the NFV-MANO. |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post Request to create new NFV-MANO Performance Monitoring Job - Unreachable Endpoint  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/PMJobs.robot>

#### 8.3.2.2 IndividualPmJob

##### 8.3.2.2.1 POST Individual NFV-MANO Performance Job - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.1 |
| **Test title** | POST Individual NFV-MANO Performance Job - method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create a new NFV-MANO Performance Monitoring Job |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for individual NFV-MANO Performance Job  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.2 GET individual NFV-MANO Performance Job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.2 |
| **Test title** | Get individual NFV-MANO Performance Job |
| **Test objective** | The objective is to test the retrieval of an individual performance monitoring job and perform a JSON schema validation of the collected job data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. |
| **Reference** | clause 6.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual NFV-MANO Performance Job  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJob Check HTTP Response Body Pm Job Identifier matches the requested Pm Job | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.3 GET individual NFV-MANO Performance Job with invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.3 |
| **Test title** | Get individual NFV-MANO Performance Job with invalid resource identifier |
| **Test objective** | The objective is to test that the retrieval of an individual performance monitoring job fails when using an invalid resource identifier, and perform the JSON schema validation of the failed operation HTTP response |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual NFV-MANO Performance Job with invalid resource identifier  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.4 PUT Individual NFV-MANO Performance Job - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.4 |
| **Test title** | PUT Individual NFV-MANO Performance Job - method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing NFV-MANO Performance Monitoring Job |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for individual NFV-MANO Performance Job  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.5 PATCH Individual NFV-MANO Performance Job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.5 |
| **Test title** | PATCH Individual NFV-MANO Performance Job |
| **Test objective** | The objective is to test that PATCH method modify an existing individual NFV-MANO Performance Monitoring Job |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | PM Job resource is modified. |
| **Test Case** | |
| Send Patch request for individual NFV-MANO Performance Job  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PmJobModifications | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.6 DELETE Individual NFV-MANO Performance Job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.6 |
| **Test title** | Delete Individual NFV-MANO Performance Job |
| **Test objective** | The objective is to test the deletion of an individual performance monitoring job |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.4.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The NFV-MANO Performance Job is no more available. |
| **Test Case** | |
| Send Delete request for individual NFV-MANO Performance Job  Check HTTP Response Status Code Is 204 Check Postcondition NFV-MANO Pm Job is Deleted | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.7 DELETE Individual NFV-MANO Performance Job with invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.7 |
| **Test title** | Delete individual NFV-MANO Performance Job with invalid resource identifier |
| **Test objective** | The objective is to test that the deletion of an individual NFV-MANO performance monitoring job fails when using an invalid resource identifier |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.4.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for individual NFV-MANO Performance Job with invalid resource identifier  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.8 PATCH Individual NFV-MANO Performance Job - Precondition failed

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.8 |
| **Test title** | PATCH Individual NFV-MANO Performance Job - Precondition failed |
| **Test objective** | The objective is to test that the PATCH method cannot modify an individual NFV-MANO Performance job where the precondition was not met. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | PM Job resource is not modified. |
| **Test Case** | |
| Send Patch request for individual NFV-MANO Performance Job - Etag mismatch  Check HTTP Response Status Code Is 412 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

##### 8.3.2.2.9 PATCH Individual NFV-MANO Performance Job - Unprocessable entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.2.9 |
| **Test title** | PATCH Individual NFV-MANO Performance Job - Unprocessable entity |
| **Test objective** | The objective is to test that PATCH method cannot modify an exsisting individual PM job resource when a request contains syntactically correct data but the data cannot be processed. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance jobs are set in the NFV-MANO. |
| **Reference** | clause 6.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | PM Job resource is not modified. |
| **Test Case** | |
| Send Patch request for individual NFV\_MANO Performance Job with unprocessable entity  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualPmJob.robot>

#### 8.3.2.3 IndividualReport

##### 8.3.2.3.1 POST Individual Performance Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.3.1 |
| **Test title** | POST Individual Performance Report - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create a new NFV-MANO performance report within a monitoring job. |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Individual Performance Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualReport.robot>

##### 8.3.2.3.2 Get Individual Performance Report

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.3.2 |
| **Test title** | Get Individual Performance Report |
| **Test objective** | The objective is to test the retrieval of an individual performance report associated to a monitoring job and perform a JSON schema validation of the collected report data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance reports are set for a monitoring job. |
| **Reference** | clause 6.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Performance Report  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is PerformanceReport | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualReport.robot>

##### 8.3.2.3.3 Get Individual Performance Report with invalid resource endpoint

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.3.3 |
| **Test title** | Get Individual Performance Report with invalid resource endpoint |
| **Test objective** | The objective is to test that the retrieval of an individual NFV-MANO performance report associated to a monitoring job fails when using an invalid resource endpoint. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance reports are set for a monitoring job. |
| **Reference** | clause 6.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Performance Report with invalid resource endpoint  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualReport.robot>

##### 8.3.2.3.4 PUT Individual Performance Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.3.4 |
| **Test title** | PUT Individual Performance Report - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing NFV-MANO performance report within a monitoring job. |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.5.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Individual Performance Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualReport.robot>

##### 8.3.2.3.5 PATCH Individual Performance Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.3.5 |
| **Test title** | PATCH Individual Performance Report - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify an existing NFV-MANO performance report within a monitoring job. |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.5.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for Individual Performance Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualReport.robot>

##### 8.3.2.3.6 DELETE Individual Performance Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.3.6 |
| **Test title** | DELETE Individual Performance Report - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete an existing NFV-MANO performance report within a monitoring job |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.5.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANOM |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Individual Performance Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualReport.robot>

#### 8.3.2.4 Thresholds

##### 8.3.2.4.1 POST Create new Performance Threshold

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.1 |
| **Test title** | POST Create new Performance Threshold |
| **Test objective** | The objective is to test the creation of a new NFV-MANO performance threshold and perform the JSON schema validation of the returned threshold data structure. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. |
| **Reference** | clause 6.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The NFV-MANO Performance Threshold is successfully created on the NFV-MANO |
| **Test Case** | |
| Send Post Request Create new Performance Threshold  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is Threshold Check HTTP Response Header Contains Location Check Postcondition Threshold Exists | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.2 GET All Performance Thresholds

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.2 |
| **Test title** | GET All Performance Thresholds |
| **Test objective** | The objective is to test the retrieval of all the available NFV-MANO performance thresholds and perform a JSON schema validation of the collected thresholds data structure. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance thresholds are set. |
| **Reference** | clause 6.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET all Performance Thresholds  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Thresholds | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.3 GET Performance Thresholds with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.3 |
| **Test title** | GET Performance Thresholds with attribute-based filter |
| **Test objective** | The objective is to test the retrieval of all the available NFV-MANO performance thresholds when using attribute-based filters, perform a JSON schema validation of the collected thresholds data structure, and verify that the retrieved information matches the issued attribute-based filter |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance thresholds are set in the NFV-MANO. |
| **Reference** | clause 6.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Performance Thresholds with attribute-based filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Thresholds Check HTTP Response Body Thresholds match the requested attribute-based filter | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.4 GET Performance Threshold with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.4 |
| **Test title** | GET Performance Threshold with Paged Response |
| **Test objective** | The objective is to query information about NFV-MANO Performance Thresholds to get Paged Response. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance thresholds are set. |
| **Reference** | clause 6.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET all Performance Thresholds  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.5 GET Performance Thresholds - Invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.5 |
| **Test title** | GET Performance Thresholds - Invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO performance thresholds fails when using invalid attribute-based filter, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance thresholds are set. |
| **Reference** | clause 6.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Performance Thresholds with invalid attribute-based filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.6 GET Performance Threshold - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.6 |
| **Test title** | GET Performance Threshold - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of NFV-MANO performance thresholds fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more NFV-MANO performance thresholds are set. |
| **Reference** | clause 6.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET all Performance Thresholds  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.7 PUT Performance Thresholds - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.7 |
| **Test title** | PUT Performance Thresholds - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to modify NFV-MANO Performance Thresholds |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.6.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send PUT Request for all Performance Thresholds  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.8 PATCH Performance Thresholds - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.8 |
| **Test title** | PATCH Performance Thresholds - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify NFV-MANO Performance Thresholds |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.6.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send PATCH Request for all Performance Thresholds  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.9 DELETE Performance Thresholds - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.9 |
| **Test title** | DELETE Performance Thresholds - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to update NFV-MANO Performance Thresholds |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.6.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send DELETE Request for all Performance Thresholds  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

##### 8.3.2.4.10 POST Create new Performance Threshold - Unprocessable entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.4.10 |
| **Test title** | POST Create new Performance Threshold - Unprocessable Entity |
| **Test objective** | The objective is to test the creation of a new NFV-MANO performance threshold and perform the JSON schema validation of the returned threshold data structure. |
| **Test objective** | The objective is to test that a new NFV-MANO performance threshold is not created if the notification endpoint is unreachable by the NFV-MANO. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. |
| **Reference** | clause 6.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Notification endpoint is unreachable by the NFV-MANO. |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post Request Create new Performance Threshold with unreachable notification endpoint  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Thresholds.robot>

#### 8.3.2.5 IndividualThreshold

##### 8.3.2.5.1 POST Individual Threshold - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.1 |
| **Test title** | POST Individual Threshold - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create a new Performance Threshold |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for individual Performance Threshold  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.2 GET Individual Threshold

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.2 |
| **Test title** | GET Individual Threshold |
| **Test objective** | The objective is to test the retrieval of an individual NFV-MANO performance threshold and perform a JSON schema and content validation of the collected threshold data structure |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance thresholds are set. |
| **Reference** | clause 6.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual Performance Threshold  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Threshold Check HTTP Response Body Threshold Identifier matches the requested Threshold | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.3 GET Individual Threshold with invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.3 |
| **Test title** | GET Individual Threshold with invalid resource identifier |
| **Test objective** | The objective is to test that the retrieval of an individual performance threshold fails when using an invalid resource identifier |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance jobs are set. |
| **Reference** | clause 6.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual Performance Threshold with invalid resource identifier  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.4 PUT Individual Threshold - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.4 |
| **Test title** | PUT Individual Threshold - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing Performance threshold |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.7.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for individual Performance Threshold  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.5 PATCH Individual Threshold

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.5 |
| **Test title** | PATCH Individual Threshold |
| **Test objective** | The objective is to test that PATCH method modify an existing NFV\_MANO performance threshold. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance thresholds are set. |
| **Reference** | clause 6.5.7.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Threshold resource is modified. |
| **Test Case** | |
| Send Patch request for individual Performance Threshold  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ThresholdModifications | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.6 DELETE Individual Threshold

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.6 |
| **Test title** | DELETE Individual Threshold |
| **Test objective** | The objective is to test the deletion of an individual performance threshold |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance thresholds are set. |
| **Reference** | clause 6.5.7.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The Performance Threshold is not available anymore in the NFV-MANO |
| **Test Case** | |
| Send Delete request for individual Performance Threshold  Check HTTP Response Status Code Is 204 Check Postcondition Performance Threshold is Deleted | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.7 DELETE Individual Threshold with invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.7 |
| **Test title** | DELETE Individual Threshold with invalid resource identifier |
| **Test objective** | The objective is to test the deletion of an individual performance threshold |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance thresholds are set. |
| **Reference** | clause 6.5.7.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for individual Performance Threshold with invalid resource identifier  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.8 PATCH Individual Threshold - Precondition failed

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.8 |
| **Test title** | PATCH Individual Threshold - Precondition failed |
| **Test objective** | The objective is to test that the PATCH method cannot modify an individual NFV-MANO threshold where the precondition was not met. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance thresholds are set. |
| **Reference** | clause 6.5.7.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Threshold resource is not modified. |
| **Test Case** | |
| Send Patch request for individual Performance Threshold - Etag mismatch  Check HTTP Response Status Code Is 412 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

##### 8.3.2.5.9 PATCH Individual Threshold - Unprocessable entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.5.9 |
| **Test title** | PATCH Individual Threshold - Unprocessable entity |
| **Test objective** | The objective is to test that PATCH method cannot modify an exsisting individual threshold resource when a request contains syntactically correct data but the data cannot be processed. |
| **Pre-conditions** | A NFV-MANO instance is instantiated. One or more performance thresholds are set. |
| **Reference** | clause 6.5.7.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Threshold resource is not modified. |
| **Test Case** | |
| Send Patch request for individual Performance Threshold with unprocessable entity  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/IndividualThreshold.robot>

#### 8.3.2.6 Void

Void.

#### 8.3.2.7 Void

Void.

#### 8.3.2.8 Notifications

##### 8.3.2.8.1 Performance Information Availability Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.8.1 |
| **Test title** | Performance Information Availability Notification |
| **Test objective** | The objective is to test the dispatch of Performance Information Availability Notification when new performance information is available in the NFV-MANO, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A performance job is created, and a subscription for information availability notifications is available in the NFV-MANO. |
| **Reference** | clause 6.5.10.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the availability of Performance Information (external action)  Check Performance Information Available Notification Http POST Request Body Json Schema Is PerformanceInformationAvailableNotification Check Performance Information Available Notification Http POST Request Body notificationType attribute Is PerformanceInformationAvailableNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Notifications.robot>

##### 8.3.2.8.2 Threshold Crossed Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.8.2 |
| **Test title** | Threshold Crossed Notification |
| **Test objective** | The objective is to test the dispatch of Threshold Crossed Notification when a previously set performance metric threshold is crossed, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A performance job is created, and a threshold subscription is available in the NFV-MANO. |
| **Reference** | clause 6.5.10.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the cross of Performance Threshold (external action)  Check Threshold Crossed Notification Http POST Request Body Json Schema Is ThresholdCrossedNotification Check Threshold Crossed Notification Http POST Request Body notificationType attribute Is ThresholdCrossedNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/Notifications.robot>

#### 8.3.2.9 ApiVersion

##### 8.3.2.9.1 POST API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.1 |
| **Test title** | POST API version - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.2 GET API Version

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.2 |
| **Test title** | GET API Version |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.3 PUT API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.3 |
| **Test title** | PUT API Version - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.4 PATCH API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.4 |
| **Test title** | PATCH API Version - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.5 DELETE API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.5 |
| **Test title** | DELETE API Version - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.6 POST API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.6 |
| **Test title** | POST API version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.7 GET API Version with apiMajorVerion

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.7 |
| **Test title** | GET API Version with apiMajorVerion |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.8 PUT API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.8 |
| **Test title** | PUT API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.9 PATCH API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.9 |
| **Test title** | PATCH API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

##### 8.3.2.9.10 DELETE API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.9.10 |
| **Test title** | DELETE API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/ApiVersion.robot>

#### 8.3.2.10 NotificationEndpoint

##### 8.3.2.10.1 Performance Information Available Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.10.1 |
| **Test title** | Performance Information Available Notification |
| **Test objective** | The objective is to test that Performance Available Notification is delivered with success to the notification consumer |
| **Pre-conditions** | A subscription for performance available notification is available in the NFV-MANO. |
| **Reference** | clause 6.5.10.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Check PM Job resource existence and get CallbackUri  POST Performance Information Available Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/NotificationEndpoint.robot>

##### 8.3.2.10.2 Threshold Crossed Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.2.10.2 |
| **Test title** | Threshold Crossed Notification |
| **Test objective** | The objective is to test that Threshold Crossed Notification is delivered with success to the notification consumer |
| **Pre-conditions** | A subscription for threshold crosssed notification is available in the NFV-MANO. |
| **Reference** | clause 6.5.10.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Check Threshold resource existence and get CallbackUri  POST Threshold Crossed Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOPerformanceManagement-API/NotificationEndpoint.robot>

### 8.3.3 NFV MANO Fault Management interface

#### 8.3.3.1 Alarms

##### 8.3.3.1.1 POST Alarms - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.1 |
| **Test title** | POST Alarms - Method not implemented |
| **Test objective** | The objective is to test that Post method is not allowed to create fault management alarms on NFV-MANO |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send POST request for fault management Alarms  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.2 Get information about multiple alarms

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.2 |
| **Test title** | Get information about multiple alarms |
| **Test objective** | The objective is to retrieve information about the alarm list and perform a JSON schema of the returned alarms data structure |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarms | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.3 Get information about multiple alarms with filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.3 |
| **Test title** | Get information about multiple alarms with filter |
| **Test objective** | The objective is to retrieve information about the alarm list and perform a JSON schema validation of the returned alarms data structure, and verify that the retrieved information matches the issued attribute-based filters |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms With Filters  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarms | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.4 Get information about multiple alarms with invalid attribute-based filtering parameters

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.4 |
| **Test title** | Get information about multiple alarms with invalid attribute-based filtering parameters |
| **Test objective** | The objective is to try to retrieve information about the alarm list with invalid filters and perform a JSON schema validation of the returned problem details data structure |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms With Invalid Filters  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.5 Get information about multiple alarms as a Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.5 |
| **Test title** | Get information about multiple alarms as a Paged Response |
| **Test objective** | The objective is to retrieve information about the alarm list as a Paged Response. |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.6 Get information about multiple alarms - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.6 |
| **Test title** | Get information about multiple alarms - Bad Request Response too Big |
| **Test objective** | The objective is to try to retrieve information about the alarm list because response is too big and perform a JSON schema validation of the returned problem details data structure |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.7 GET information about alarms with attribute-based filter "id"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.7 |
| **Test title** | GET information about alarms with attribute-based filter "id" |
| **Test objective** | The objective is to retrieve information about the alarm list with alarm filter "id" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with filter "id"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarm Check PostCondition HTTP Response Body alarms Matches the requested attribute-based filter "id" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.8 GET information about multiple alarms with attribute-based filter "managedObjectId"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.8 |
| **Test title** | GET information about multiple alarms with attribute-based filter "managedObjectId" |
| **Test objective** | The objective is to retrieve information about the alarm list with attribute filter "managedObjectId" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with filter "managedObjectId"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarms Check PostCondition HTTP Response Body alarms Matches the requested attribute-based filter "managedObjectId" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.9 GET information about multiple alarms with attribute-based filter "eventType"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.9 |
| **Test title** | GET information about multiple alarms with attribute-based filter "eventType" |
| **Test objective** | The objective is to retrieve information about the alarm list with attribute filter "eventType" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with filter "eventType"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarms Check PostCondition HTTP Response Body alarms Matches the requested attribute-based filter "eventType" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.10 GET information about multiple alarms with attribute-based filter "perceivedSeverity"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.10 |
| **Test title** | GET information about multiple alarms with attribute-based filter "perceivedSeverity" |
| **Test objective** | The objective is to retrieve information about the alarm list with attribute filter "perceivedSeverity" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with filter "perceivedSeverity"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarms Check PostCondition HTTP Response Body alarms Matches the requested attribute-based filter "perceivedSeverity" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.11 GET information about multiple alarms with attribute-based filter "probableCause"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.11 |
| **Test title** | GET information about multiple alarms with attribute-based filter "probableCause" |
| **Test objective** | The objective is to retrieve information about the alarm list with attribute filter "probableCause" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with filter "probableCause"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is Alarms Check PostCondition HTTP Response Body alarms Matches the requested attribute-based filter "probableCause" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.12 Get information about multiple alarms with malformed authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.12 |
| **Test title** | Get information about multiple alarms with malformed authorization token |
| **Test objective** | The objective is to test that the retrieval of information about the alarm list fails when using malformed authorization token |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with malformed authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.13 Get information about multiple alarms without authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.13 |
| **Test title** | Get information about multiple alarms without authorization token |
| **Test objective** | The objective is to test that the retrieval of information about the alarm list fails when omitting the authorization token |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms without authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.14 GET information about multiple alarms with expired or revoked authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.14 |
| **Test title** | GET information about multiple alarms with expired or revoked authorization token |
| **Test objective** | The objective is to test that the retrieval of information about the alarm list fails when using expired or revoked authorization token |
| **Pre-conditions** | One or more Network Service Descriptors are onboarded in the NFVO |
| **Reference** | clause 7.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Alarms with expired or revoked authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.15 PUT Alarms - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.15 |
| **Test title** | PUT Alarms - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to modify fault management alarms on NFV-MANO. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT Fault management Alarms  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.16 PATCH Alarms - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.16 |
| **Test title** | PATCH Alarms - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify fault management alarms on NFV-MANO. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH Fault management Alarms  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

##### 8.3.3.1.17 DELETE Alarms - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.1.17 |
| **Test title** | POST Alarms - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed for fault management alarms on NFV-MANO |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.3.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE Fault management Alarms  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Alarms.robot>

#### 8.3.3.2 IndividualAlarm

##### 8.3.3.2.1 POST Individual Alarm - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.1 |
| **Test title** | POST Individual Alarm - Method not implemented |
| **Test objective** | The objective is to test that Post method is not allowed to create fault management individual alarm on NFV-MANO |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send POST request for fault management Individual Alarm  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.2 Get information about an fault management individual alarm

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.2 |
| **Test title** | Get information about an fault management individual alarm |
| **Test objective** | The objective is to retrieve information about an individual alarm and perform a JSON schema and content validation of the returned alarm data structure |
| **Pre-conditions** | The related alarm exists |
| **Reference** | clause 7.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Individual Alarm  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is alarm | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.3 Get information about an fault management individual alarm - Not Found

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.3 |
| **Test title** | Get information about an fault management individual alarm |
| **Test objective** | The objective is to test the retrieval of information about an individual alarm fails when the resource is not present. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Fault Management Individual Alarm  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.4 PUT Individual Alarm - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.4 |
| **Test title** | PUT Individual Alarm - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to for fault management individual alarm on NFV-MANO |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.4.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT Fault Management Individual Alarm  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.5 PATCH Fault Management Individual Alarm

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.5 |
| **Test title** | PATCH Fault Management Individual Alarm |
| **Test objective** | The objective is to Modify an individual alarm resource, and perform a JSON schema validation of the returned alarm data structure. |
| **Pre-conditions** | The related alarm exists |
| **Reference** | clause 7.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Alarm is modified. |
| **Test Case** | |
| PATCH Fault Management Individual Alarm  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is AlarmModification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.6 Modify an individual alarm resource - Precondition failed

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.6 |
| **Test title** | Modify an individual alarm resource - Precondition failed |
| **Test objective** | The objective is to test that an individual alarm resource cannot be modified if the alarm is already in the state that is requested to be set, and perform a JSON schema validation of the returned data structure. |
| **Pre-conditions** | The related alarm exists |
| **Reference** | clause 7.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Alarm is not modified. |
| **Test Case** | |
| PATCH Fault Management Individual Alarm - precondition failed  Check HTTP Response Status Code Is 409 Check HTTP Response Body Json Schema Is ProblemDetails Check Postcondition fault management individual alarm exists | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.7 Modify an individual alarm resource - Conflict

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.7 |
| **Test title** | Modify an individual alarm resource - Conflict |
| **Test objective** | The objective is to test that an individual alarm resource cannot be modified if the resource was modified by another entity , and perform a JSON schema validation of the returned data structure. |
| **Pre-conditions** | The related alarm exists |
| **Reference** | clause 7.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Alarm is not modified. |
| **Test Case** | |
| PATCH Fault Management Individual Alarm Conflict  Check HTTP Response Status Code Is 412 Check HTTP Response Body Json Schema Is ProblemDetails Check Postcondition fault management individual alarm exists | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

##### 8.3.3.2.8 DELETE Individual Alarm - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.2.8 |
| **Test title** | DELETE Individual Alarm - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete fault management individual alarm on NFV-MANO. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.4.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE Fault Management Individual Alarm  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualAlarm.robot>

#### 8.3.3.3 Subscriptions

##### 8.3.3.3.1 POST Create a new Fault Management alarm subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.1 |
| **Test title** | POST Create a new fault management alarm subscription |
| **Test objective** | The objective is to create a new fault management alarm subscription and perform a JSON schema validation of the returned fault management alarms subscription data structure |
| **Pre-conditions** | No subscription with the same filter and callbackUri exists |
| **Reference** | clause 7.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | subscription is created |
| **Test Case** | |
| POST Subscription  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is FmSubscription Check HTTP Response Header Contains Location  Check PostCondition Subscription is created | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.2 POST Create a new alarm subscription - DUPLICATION

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.2 |
| **Test title** | POST Create a new alarm subscription - DUPLICATION |
| **Test objective** | The objective is to create a new subscription with the NFV-MANO allowing duplication and perform a JSON schema validation of the returned fault management alarms subscription data structure. |
| **Pre-conditions** | subscription with the same filter and callbackUri exists |
| **Reference** | clause 7.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | the NFV-MANO allows creating a subscription resource if another subscription resource with the same filter and callbackUri already exists |
| **Post-Conditions** | duplicated subscription is created |
| **Test Case** | |
| POST Subscription Duplication permitted  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is FmSubscription Check HTTP Response Header Contains Location  Check Postcondition FaultManagement Subscription Is Set | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.3 POST Create a new alarm subscription - NO DUPLICATION

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.3 |
| **Test title** | POST Create a new alarm subscription - NO DUPLICATION |
| **Test objective** | The objective is to create a new subscription with the NFV-MANO not allowing duplication and perform a JSON schema validation of the returned fault management alarms subscription data structure. |
| **Pre-conditions** | subscription with the same filter and callbackUri exists |
| **Reference** | clause 7.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | the NFV-MANO does not allow to create a duplicate subscription resource |
| **Post-Conditions** | duplicated subscription is not created |
| **Test Case** | |
| POST Subscription Duplication not permitted  Check HTTP Response Status Code Is 303 Check HTTP Response Body Json Schema Is FmSubscription Check HTTP Response Header Contains Location  Check Postcondition Subscription Resource Returned in Location Header Is Available | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.4 Retrieve a list of alarm subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.4 |
| **Test title** | Retrieve a list of alarm subscriptions |
| **Test objective** | The objective is to retrieve the list of active subscriptions and perform a JSON schema validation of the returned fault management alarms subscription data structure. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | noe |
| **Test Case** | |
| GET Subscriptions  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscriptions | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.5 Retrieve a list of alarm subscriptions with filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.5 |
| **Test title** | Retrieve a list of alarm subscriptions with filter |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter and perform a JSON schema validation of the returned fault management alarms subscription data structure. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Subscriptions with filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscriptions | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.6 Get information about multiple alarms as a Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.6 |
| **Test title** | Get information about multiple alarms as a Paged Response |
| **Test objective** | The objective is to retrieve information about active list subscriptions as a Paged Response |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Subscriptions  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.7 GET subscriptions - Bad Request Invalid attribute-based filtering parameters

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.7 |
| **Test title** | GET subscriptions - Bad Request Invalid attribute-based filtering parameters |
| **Test objective** | The objective is to retrieve the list of active subscriptions with Invalid attribute-based filtering parameters and perform a JSON schema validation of the returned problem details data structure. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Subscriptions with Invalid filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.8 Get information about multiple alarms - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.8 |
| **Test title** | Get information about multiple alarms - Bad Request Response too Big |
| **Test objective** | The objective is to try to retrieve information about active list subscription to check that response is too big and perform a JSON schema validation of the returned problem details data structure |
| **Pre-conditions** | none |
| **Reference** | Clause clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Subscriptions  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.9 GET Subscription with attribute-based filter "id"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.9 |
| **Test title** | GET Subscription with attribute-based filter "id" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "id" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "id"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscription Check PostCondition HTTP Response Body Subscription Matches the requested attribute-based filter "id" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.10 Get subscriptions with filter "filter.notificationTypes"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.10 |
| **Test title** | GET Subscription with attribute-based filter "filter.notificationTypes" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "filter.notificationTypes" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "filter\_notificationTypes"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscriptions Check PostCondition HTTP Response Body Subscriptions Matches the requested attribute-based filter "filter\_notificationTypes" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.11 Get subscriptions with filter "filter.perceivedSeverities"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.11 |
| **Test title** | GET Subscription with attribute-based filter "filter.perceivedSeverities" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "filter.perceivedSeverities" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "filter\_perceivedSeverities"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscriptions Check PostCondition HTTP Response Body Subscriptions Matches the requested attribute-based filter "filter\_perceivedSeverities" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.12 Get subscriptions with filter "filter.eventTypes"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.12 |
| **Test title** | GET Subscription with attribute-based filter "filter.eventTypes" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "filter.eventTypes" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "filter\_eventTypes"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscriptions Check PostCondition HTTP Response Body Subscriptions Matches the requested attribute-based filter "filter\_eventTypes" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.13 Get subscriptions with filter "filter.probableCauses"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.13 |
| **Test title** | GET Subscription with attribute-based filter "filter.probableCauses" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "filter.probableCauses" |
| **Pre-conditions** | none |
| **Reference** | Clause 7.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "filter\_probableCauses"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscriptions Check PostCondition HTTP Response Body Subscriptions Matches the requested attribute-based filter "filter\_probableCauses" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.14 PUT subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.14 |
| **Test title** | PUT subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to for fault management subscriptions on VNF |
| **Pre-conditions** | none |
| **RReference** | clause 7.5.5.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Put Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.15 PATCH subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.15 |
| **Test title** | PATCH subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to for fault management subscriptions on VNF |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.5.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.16 DELETE subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.16 |
| **Test title** | DELETE subscriptions - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to for fault management subscriptions on VNF |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.5.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

##### 8.3.3.3.17 POST Create a new Fault Management alarm subscription - Unprocessable entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.3.17 |
| **Test title** | POST Create a new fault management alarm subscription - Unprocessable entity |
| **Test objective** | The objective is to test that a new fault management alarm subscription is not created if the notification endpoint is unreachable by the NFV-MANO. |
| **Pre-conditions** | No subscription with the same filter and callbackUri exists. |
| **Reference** | clause 7.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Notification endpoint is unreachable by the NFV-MANO. |
| **Post-Conditions** | none |
| **Test Case** | |
| POST Subscription with Unreachable callbackUri  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Subscriptions.robot>

#### 8.3.3.4 IndividualSubscription

##### 8.3.3.4.1 Post Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.4.1 |
| **Test title** | Post Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed for fault management subscription on NFV-MANO |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST Individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualSubscription.robot>

##### 8.3.3.4.2 Get Information about an individual subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.4.2 |
| **Test title** | Get Information about an individual subscription |
| **Test objective** | The objective is to read an individual subscription from NFV-MANO alarms subscribed by the client and perform a JSON schema and content validation of the returned fault management individual subscription data structure |
| **Pre-conditions** | The subscription with the given id exists |
| **Reference** | clause 7.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Individual Subscription  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is FmSubscription | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualSubscription.robot>

##### 8.3.3.4.3 Get Information about an individual subscription - Not Found

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.4.3 |
| **Test title** | Get Information about an individual subscription - Not Found |
| **Test objective** | The objective is to test the retrieval of individual subscription from NFV-MANO alarms fails when the resource is not present. |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Individual Subscription  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualSubscription.robot>

##### 8.3.3.4.4 PUT an individual subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.4.4 |
| **Test title** | PUT an individual subscription - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed for fault management individual subscription on VNF |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.6.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT Individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualSubscription.robot>

##### 8.3.3.4.5 PATCH an individual subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.4.5 |
| **Test title** | PATCH an individual subscription - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed for fault management individual subscription on VNF |
| **Pre-conditions** | none |
| **Reference** | clause 7.5.6.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH Individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualSubscription.robot>

##### 8.3.3.4.6 DELETE an individual subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.4.6 |
| **Test title** | DELETE an individual subscription |
| **Test objective** | The objective is to test that DELETE method removes individual subscription on VNF |
| **Pre-conditions** | The Subsbcription already exists |
| **Reference** | clause 7.5.6.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | subscription is deleted |
| **Test Case** | |
| DELETE Individual Subscription  Check HTTP Response Status Code Is 204 Check Individual Subscription deleted | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/IndividualSubscription.robot>

#### 8.3.3.5 Notifications

##### 8.3.3.5.1 NFV-MANO Fault Alarm Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.5.1 |
| **Test title** | NFV-MANO Fault Alarm Notification |
| **Test objective** | The objective is to test the dispatch of NFV-MANO Fault Alarm Notification when a resource within an NFV-MANO instance fails, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A NFV-MANO instance is instantiated, and a subscription for fault alarm notifications is available. |
| **Reference** | clause 7.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the fault of a virtualised resource in the NFV-MANO instance (external action)  Check Alarm Notification Http POST Request Body Json Schema Is alarmNotification Check Alarm Notification Http POST Request Body notificationType attribute Is alarmNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Notifications.robot>

##### 8.3.3.5.2 NFV-MANO Fault Alarm Cleared Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.5.2 |
| **Test title** | NFV-MANO Fault Alarm Cleared Notification |
| **Test objective** | The objective is to test the dispatch of NFV-MANO Fault Alarm Cleared Notification when a faulty resource within an NFV-MANO instance is cleared, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A NFV-MANO instance is instantiated, a virtualised resource is in faulty state, and a subscription for fault alarm cleared notifications is available. |
| **Reference** | clause 7.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the clear of a faulty virtualised resource in the NFV-MANO instance (external action)  Check Alarm cleared Notification Http POST Request Body Json Schema Is alarmClearedNotification Check Alarm cleared Notification Http POST Request Body notificationType attribute Is alarmClearedNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Notifications.robot>

##### 8.3.3.5.3 NFV-MANO Fault Alarm List Rebuilt Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.5.3 |
| **Test title** | NFV-MANO Fault Alarm List Rebuilt Notification |
| **Test objective** | The objective is to test the dispatch of NFV-MANO Fault Alarm List Rebuilt Notification when the NFV-MANO decides to rebuild the list of its NFV-MANO alarms, e.g. due to a corruption in the alarm storage, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A NFV-MANO instance is instantiated, one or more virtualised resource are in faulty state, and a subscription for fault alarm list rebuilt notifications is available. |
| **Reference** | clause 7.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the NFV-MANO fault alarm list rebuild in the NFVO (external action)  Check Alarm list rebuilt Notification Http POST Request Body Json Schema Is alarmListRebuiltNotification Check Alarm list rebuilt Notification Http POST Request Body notificationType attribute Is alarmListRebuiltNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/Notifications.robot>

#### 8.3.3.6 ApiVersion

##### 8.3.3.6.1 POST API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.1 |
| **Test title** | POST API version - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.2 GET API Version

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.2 |
| **Test title** | GET API Version |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.3 PUT API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.3 |
| **Test title** | PUT API Version - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.4 PATCH API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.4 |
| **Test title** | PATCH API Version - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.5 DELETE API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.5 |
| **Test title** | DELETE API Version - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.6 POST API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.6 |
| **Test title** | POST API version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.7 GET API Version with apiMajorVerion

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.7 |
| **Test title** | GET API Version with apiMajorVerion |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.8 PUT API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.8 |
| **Test title** | PUT API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.9 PATCH API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.9 |
| **Test title** | PATCH API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

##### 8.3.3.6.10 DELETE API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.6.10 |
| **Test title** | DELETE API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/ApiVersion.robot>

#### 8.3.3.7 NotificationEndpoint

##### 8.3.3.7.1 Alarm Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.7.1 |
| **Test title** | Alarm Notification |
| **Test objective** | The objective is to test that Alarm Notification is delivered with success to the notification consumer. |
| **Pre-conditions** | A subscription for alarm notification is available in the NFV-MANO. |
| **Reference** | clause 7.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Post Alarm Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/NotificationEndpoint.robot>

##### 8.3.3.7.2 Alarm Cleared Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.7.2 |
| **Test title** | Alarm Cleared Notification |
| **Test objective** | The objective is to test that Alarm Cleared Notification is delivered with success to the notification consumer. |
| **Pre-conditions** | A subscription for alarm cleared notification is available in the NFV-MANO. |
| **Reference** | clause 7.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Post Alarm Cleared Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/NotificationEndpoint.robot>

##### 8.3.3.7.3 Alarm List Rebuilt Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.3.7.3 |
| **Test title** | Alarm List Rebuilt Notification |
| **Test objective** | The objective is to test that Alarm List Rebuilt Notification is delivered with success to the notification consumer. |
| **Pre-conditions** | A subscription for alarm list rebuilt notification is available in the NFV-MANO. |
| **Reference** | clause 7.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Post Alarm List Rebuilt Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOFaultManagement-API/NotificationEndpoint.robot>

### 8.3.4 NFV MANO Log Management interface

#### 8.3.4.1 LoggingJobs

##### 8.3.4.1.1 POST Create a new logging job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.1 |
| **Test title** | POST Create a new logging job |
| **Test objective** | The objective is to create a new logging job, and perform the JSON schema validation of the operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | logging job created |
| **Test Case** | |
| POST Create a new logging job  Check HTTP Response Status Code Is 201 Check HTTP Response Header Contains Location Check HTTP Response Body Json Schema Is LoggingJob Check Post-Condition Logging job is created | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.2 GET information about logging jobs

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.2 |
| **Test title** | GET information logging jobs |
| **Test objective** | The objective is to retrieve information about logging jobs, and perform the JSON schema validation of the operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.3 GET Logging jobs - invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.3 |
| **Test title** | GET Logging jobs - invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of logging jobs fails when using invalid attribute-based filter, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Job with invalid filter  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.4 GET Logging jobs - invalid attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.4 |
| **Test title** | GET Logging jobs - invalid attribute selector |
| **Test objective** | The objective is to test that the retrieval of logging jobs fails when using invalid attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Job with invalid selector  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.5 GET Logging jobs - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.5 |
| **Test title** | GET Logging jobs - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of Logging job fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.6 GET information about logging jobs with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.6 |
| **Test title** | GET information about logging jobs with attribute-based filter |
| **Test objective** | The objective is to retrieve information about the logging jobs with attribute filters, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Job with filter  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.7 GET information about logging jobs with "all\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.7 |
| **Test title** | GET information about logging jobs with "all\_fields" attribute selector |
| **Test objective** | The objective is to retrieve information about logging jobs with "all\_fields" attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging jobs with all\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.8 GET information about Logging Jobs with "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.8 |
| **Test title** | GET information about Logging Jobs with "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve information about logging jobs with "exclude\_default" attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs with exclude\_default attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.9 GET information about Logging Jobs with "fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.9 |
| **Test title** | GET information about Logging Jobs with fields attribute selector |
| **Test objective** | The objective is to retrieve information about Logging Jobs with fields attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs with fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.10 GET information about Logging Jobs with "exclude\_fields" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.10 |
| **Test title** | GET information about Logging Jobs with "exclude\_fields" attribute selector |
| **Test objective** | The objective is to retrieve information about the Logging Jobs with "exclude\_fields" attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs with exclude\_fields attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.11 GET information about Logging Jobs with "fields" and "exclude\_default" attribute selector

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.11 |
| **Test title** | GET information about Logging Jobs with fields and exclude\_default attribute selector |
| **Test objective** | The objective is to retrieve information about Logging Jobs with fields and exclude\_default attribute selector, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs with fields and exclude\_default attribute selector  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJobs | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.12 GET information about Logging Jobs with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.12 |
| **Test title** | GET information about Logging Jobs with Paged Response |
| **Test objective** | The objective is to query information about Logging Jobs to get Paged Response. |
| **Pre-conditions** | At least one logging job is created. |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.13 GET information about Logging Jobs with malformed authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.13 |
| **Test title** | GET information about Logging Jobs with malformed authorization token |
| **Test objective** | The objective is to test that the retrieval of information about Logging Jobs fails when using malformed authorization token. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The Peer Entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs with malformed authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.14 GET information about Logging Jobs without authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.14 |
| **Test title** | GET information about Logging Jobs without authorization token |
| **Test objective** | The objective is to test that the retrieval of information about Logging Jobs fails when omitting the authorization token. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The Peer Entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs without authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.15 GET information about Logging Jobs with expired or revoked authorization token

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.15 |
| **Test title** | GET information about Logging Jobs with expired or revoked authorization token |
| **Test objective** | The objective is to test that the retrieval of information about Logging Jobs fails when using expired or revoked authorization token. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The Peer Entity requires the usage of access tokens for authorizing the API requests. |
| **Post-Conditions** | none |
| **Test Case** | |
| GET Logging Jobs with expired or revoked authorization token  Check HTTP Response Status Code Is 401 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.16 PUT Logging Jobs - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.16 |
| **Test title** | PUT Logging Jobs - Method not implemented |
| **Test objective** | The objective is to test that the method is not implemented |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT Logging Jobs  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.17 PATCH Logging Jobs - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.17 |
| **Test title** | PATCH Logging Jobs - Method not implemented |
| **Test objective** | The objective is to test that the method is not implemented |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH Logging Jobs  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

##### 8.3.4.1.18 DELETE Logging Jobs - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.1.18 |
| **Test title** | DELETE Logging Jobs - Method not implemented |
| **Test objective** | The objective is to test that the method is not implemented |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.3.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE Logging Jobs  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/LoggingJobs.robot>

#### 8.3.4.2 IndividualLoggingJob

##### 8.3.4.2.1 POST Individual Logging Job - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.1 |
| **Test title** | POST Individual Logging Job - method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create an Indiviual Logging |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.4.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for individual Logging Job  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

##### 8.3.4.2.2 GET individual Logging Job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.2 |
| **Test title** | Get individual Logging Job |
| **Test objective** | The objective is to test the retrieval of an individual logging job and perform a JSON schema validation of the collected job data structure |
| **Pre-conditions** | Logging Job is already created. |
| **Reference** | clause 8.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual Logging Job  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LoggingJob Check HTTP Response Body Logging Job Identifier matches the requested Logging Job | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

##### 8.3.4.2.3 GET individual Logging Job with invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.3 |
| **Test title** | Get individual Logging Job with invalid resource identifier |
| **Test objective** | The objective is to test that the retrieval of an individual logging job fails when using an invalid resource identifier, and perform the JSON schema validation of the failed operation HTTP response |
| **Pre-conditions** | Logging Job is already created. |
| **Reference** | clause 8.5.4.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual Logging Job with invalid resource identifier  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

##### 8.3.4.2.4 PUT Individual Logging Job - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.4 |
| **Test title** | PUT Individual Logging Job - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing Logging Job |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.4.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for individual Logging Job  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

##### 8.3.4.2.5 PATCH Individual Logging Job - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.5 |
| **Test title** | PATCH Individual Logging Job - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify an existing new Logging Job |
| **Pre-conditions** | none |
| **Reference** | clause 6.5.4.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for individual Logging Job  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

##### 8.3.4.2.6 DELETE Individual Logging Job

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.6 |
| **Test title** | DELETE Individual Logging Job |
| **Test objective** | The objective is to test the deletion of an individual logging job |
| **Pre-conditions** | Logging Job is already created. |
| **Reference** | clause 8.5.4.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The Logging Job is no more available. |
| **Test Case** | |
| Send Delete request for individual Logging Job  Check HTTP Response Status Code Is 204 Check Postcondition Logging Job is Deleted | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

##### 8.3.4.2.7 DELETE Individual Logging Job with invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.2.7 |
| **Test title** | DELETE Individual Logging Job with invalid resource identifier |
| **Test objective** | The objective is to test that the deletion of an individual logging job fails when using an invalid resource identifier |
| **Pre-conditions** | Logging Job is already created. |
| **Reference** | clause 8.5.4.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for individual Logging Job with invalid resource identifier  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualLoggingJob.robot>

#### 8.3.4.3 IndividualReport

##### 8.3.4.3.1 POST Individual Log Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.1 |
| **Test title** | POST Individual Log Report - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create a new log report. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.5.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for Individual Log Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

##### 8.3.4.3.2 Get Individual Log Report

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.2 |
| **Test title** | Get Individual Log Report |
| **Test objective** | The objective is to test the retrieval of an individual log report and perform a JSON schema validation of the collected report data structure |
| **Pre-conditions** | One or more log reports are set. |
| **Reference** | clause 8.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Log Report  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LogReport | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

##### 8.3.4.3.3 Get Individual Log Report (asynchronous)

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.3 |
| **Test title** | Get Individual Log Report (asynchronous) |
| **Test objective** | The objective is to test the retrieval of an individual log report is ongoing and no log report is available yet. |
| **Pre-conditions** | One or more log reports are set. |
| **Reference** | clause 8.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Log Report  Check HTTP Response Status Code Is 202 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

##### 8.3.4.3.4 Get Individual Log Report with invalid resource endpoint

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.4 |
| **Test title** | Get Individual Log Report with invalid resource endpoint |
| **Test objective** | The objective is to test that the retrieval of an individual log report fails when using an invalid resource endpoint. |
| **Pre-conditions** | One or more log reports are set. |
| **Reference** | clause 8.5.5.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Log Report with invalid resource endpoint  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

##### 8.3.4.3.5 PUT Individual Log Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.5 |
| **Test title** | PUT Individual Log Report - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing log report. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.5.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for Individual Log Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

##### 8.3.4.3.6 PATCH Individual Log Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.6 |
| **Test title** | PATCH Individual Log Report - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify an existinglog report. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.5.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for Individual Log Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

##### 8.3.4.3.7 DELETE Individual Log Report - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.3.7 |
| **Test title** | DELETE Individual Log Report - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete an existing log report. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.5.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for Individual Log Report  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualReport.robot>

#### 8.3.4.4 CompileLogTask

##### 8.3.4.4.1 Request to compile the logged data into a file - Synchronous mode

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.1 |
| **Test title** | Request to compile the logged data into a file - Synchronous mode |
| **Test objective** | The objective is to request to compile the logged data into a file in synchronous mode and perform a JSON schema validation on the returned log report data structure |
| **Pre-conditions** | logging job is available |
| **Reference** | clause 8.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO can decide immediately what to respond to a compile request |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Log data Request in Synchronous mode  Check HTTP Response Status Code Is 201 Check HTTP Response Header Contains Location  Check HTTP Response Body Json Schema Is LogReport | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.2 Request to compile the logged data into a file - Asynchronous mode

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.2 |
| **Test title** | Request to compile the logged data into a file - Asynchronous mode |
| **Test objective** | The objective is to request to compile the logged data into a file in asynchronous mode |
| **Pre-conditions** | logging job is available |
| **Reference** | clause 8.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO can not decide immediately what to respond to a compile request |
| **Post-Conditions** | log report is available to the API consumer |
| **Test Case** | |
| Send Log data Request in Asynchronous mode  Check HTTP Response Status Code Is 202 Check HTTP Response Header Contains Location  Check postcondition Wait for compilation success notification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.3 Request to compile the logged data into a file - Already Processing

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.3 |
| **Test title** | Request to compile the logged data into a file - Already Processing |
| **Test objective** | The objective is to request to compile the logged data into a file when a log data compilation and report creation is already ongoing, or a log report has just been created, for the specified logging job at the time of processing the request |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Log data Request  Check HTTP Response Status Code Is 303 Check HTTP Response Header Contains Location | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.4 Request to compile the logged data into a file with unprocessable entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.4 |
| **Test title** | Request to compile the logged data into a file with unprocessable entity |
| **Test objective** | The objective is to test that the rrequest to compile the logged data into a file fails when error in request body. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.6.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Log data Request  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.5 GET Compiled Log Data - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.5 |
| **Test title** | GET Compiled Log Data - Method not implemented |
| **Test objective** | The objective is to test that GET method is not allowed to retrieve compiled log data. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.6.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Get Compiled Log Data  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.6 PUT Compiled Log Data - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.6 |
| **Test title** | PUT Compiled Log Data - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update compiled log data. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.6.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send PUT Compiled Log Data  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.7 PATCH Compiled Log Data - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.7 |
| **Test title** | PATCH Compiled Log Data - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to update compiled log data. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.6.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send PATCH Compiled Log Data  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

##### 8.3.4.4.8 DELETE Compiled Log Data - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.4.8 |
| **Test title** | DELETE Compiled Log Data - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to update compiled log data. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.6.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send DELETE Compiled Log Data  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/CompileLogTask.robot>

#### 8.3.4.5 Subscriptions

##### 8.3.4.5.1 GET all Subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.1 |
| **Test title** | GET all Subscriptions |
| **Test objective** | The objective is to test the retrieval list of active subscriptions list to log management notifications and perform a JSON schema validation of the returned subscriptions data structure |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LogmSubscriptions | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.2 GET Subscriptions with attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.2 |
| **Test title** | GET Subscriptions with attribute-based filter |
| **Test objective** | The objective is to test the retrieval of active subscriptions list to log management notifications using attribute-based filter, perform a JSON schema validation of the collected indicators data structure, and verify that the retrieved information matches the issued attribute-based filters |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Subscriptions with attribute-based filters  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LogmSubscriptions | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.3 GET Subscriptions with Paged Response

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.3 |
| **Test title** | GET Subscriptions with Paged Response |
| **Test objective** | The objective is to query information of active subscriptions list to log management notifications to get Paged Response. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 200 Check HTTP Response Header Contains Link | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.4 GET Subscriptions - invalid attribute-based filter

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.4 |
| **Test title** | GET Subscriptions - invalid attribute-based filter |
| **Test objective** | The objective is to test that the retrieval of active subscriptions list to log management notifications fails when using invalid attribute-based filters, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Subscriptions with invalid attribute-based filters  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.5 GET Subscriptions - Bad Request Response too Big

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.5 |
| **Test title** | GET Subscriptions - Bad Request Response too Big |
| **Test objective** | The objective is to test that the retrieval of active subscriptions list to log management notifications fails when response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 400 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.6 GET Subscriptions - invalid resource endpoint

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.6 |
| **Test title** | GET Subscriptions - invalid resource endpoint |
| **Test objective** | The objective is to test that the retrieval of active subscriptions list to log management notifications fails when using invalid resource endpoint. |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get all Subscriptions  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.7 GET Subscription with attribute-based filter "id"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.7 |
| **Test title** | GET Subscription with attribute-based filter "id" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "id" |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "id"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LogmSubscription Check PostCondition HTTP Response Body Subscription Matches the requested attribute-based filter "id" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.8 Get subscriptions with filter "filter.notificationTypes"

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.8 |
| **Test title** | GET Subscription with attribute-based filter "filter.notificationTypes" |
| **Test objective** | The objective is to retrieve the list of active subscriptions with filter "filter.notificationTypes" |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get subscriptions with filter "filter\_notificationTypes"  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LogmSubscriptions Check PostCondition HTTP Response Body Subscriptions Matches the requested attribute-based filter "filter\_notificationTypes" | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.9 POST Create new Subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.9 |
| **Test title** | POST Create new Subscription |
| **Test objective** | The objective is to test the creation of a new subscription to log management notification and perform a JSON schema and content validation of the returned subscription data structure |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The subscription is successfully set and it matches the issued subscription |
| **Test Case** | |
| Send Post Request for Subscription  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is LogmSubscription Check HTTP Response Body LogmSubscription Attributes Values Match the Issued Subscription  Check Postcondition Subscription Is Set | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.10 POST Create request for duplicated Subscription not creating duplicated subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.10 |
| **Test title** | POST Create request for duplicated Subscription not creating duplicated subscriptions |
| **Test objective** | The objective is to test the attempt of a creation of a duplicated subscription failed and check that no new subscription is created and a link to the original subscription is returned |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO does not support the creation of duplicated subscriptions |
| **Post-Conditions** | The existing Subscription returned is available in the NFV-MANO |
| **Test Case** | |
| Send Post Request for No Duplicated Subscription  Check HTTP Response Status Code Is 303 Check HTTP Response Body Is Empty  Check HTTP Response Header Contains Location Check Postcondition Subscription Resource Returned in Location Header Is Available | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.11 POST Create request for duplicated Subscription creating duplicated subscriptions

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.11 |
| **Test title** | POST Create request for duplicated Subscription creating duplicated subscriptions |
| **Test objective** | The objective is to test the creation of a duplicated subscription and perform a JSON schema and content validation of the returned duplicated subscription data structure |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The NFV-MANO supports the creation of duplicated subscriptions |
| **Post-Conditions** | The duplicated subscription is successfully set and it matches the issued subscription |
| **Test Case** | |
| Send Post Request for Duplicated Subscription  Check HTTP Response Status Code Is 201 Check HTTP Response Body Json Schema Is PmSubscription Check HTTP Response Body LogmSubscription Attributes Values Match the Issued Subscription  Check Postcondition Subscription Is Set | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.12 PUT Subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.12 |
| **Test title** | PUT Subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to modify subscriptions |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put Request for Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.13 PATCH Subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.13 |
| **Test title** | PATCH Subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to update subscriptions |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch Request for Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.14 DELETE Subscriptions - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.14 |
| **Test title** | DELETE Subscriptions - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not allowed to delete subscriptions |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete Request for Subscriptions  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

##### 8.3.4.5.15 POST Create new Subscription - Unprocessable entity

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.5.15 |
| **Test title** | POST Create new Subscription - Unprocessable entity |
| **Test objective** | The objective is to test that a new log management subscription is not created if the notification endpoint is unreachable by the NFV-MANO. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.7.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Notification endpoint is unreachable by the NFV-MANO. |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post Request for Subscription with unreachable callbackUri  Check HTTP Response Status Code Is 422 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Subscriptions.robot>

#### 8.3.4.6 IndividualSubscription

##### 8.3.4.6.1 GET Individual Subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.1 |
| **Test title** | GET Individual Subscription |
| **Test objective** | The objective is to test the retrieval of individual subscription and perform a JSON schema validation of the returned subscription data structure |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Get Individual Subscription  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is LogmSubscription Check HTTP Response Body Subscription Identifier matches the requested Subscription | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

##### 8.3.4.6.2 GET Individual Subscription - invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.2 |
| **Test title** | GET Individual Subscription - invalid resource identifier |
| **Test objective** | The objective is to test that the retrieval of an individual subscription fails when using an invalid resource identifier |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.8.3.2 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET individual Subscription with invalid resource identifier  Check HTTP Response Status Code Is 404 Check HTTP Response Body Json Schema Is ProblemDetails | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

##### 8.3.4.6.3 DELETE Individual Subscription

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.3 |
| **Test title** | DELETE Individual Subscription |
| **Test objective** | The objective is to test the deletion of an individual subscription |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.8.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The is not available anymore in the NFV-MANO |
| **Test Case** | |
| Send Delete request for individual Subscription  Check HTTP Response Status Code Is 204 Check Postcondition Subscription is Deleted | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

##### 8.3.4.6.4 DELETE Individual Subscription - invalid resource identifier

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.4 |
| **Test title** | DELETE Individual Subscription - invalid resource identifier |
| **Test objective** | The objective is to test that the deletion of an individual subscription fails when using an invalid resource identifier |
| **Pre-conditions** | At least one subscription is available in the NFV-MANO. |
| **Reference** | clause 8.5.8.3.5 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Delete request for individual Subscription with invalid resource identifier  Check HTTP Response Status Code Is 404 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

##### 8.3.4.6.5 POST Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.5 |
| **Test title** | POST Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that POST method is not allowed to create a new Subscription |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.8.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Post request for individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

##### 8.3.4.6.6 PUT Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.6 |
| **Test title** | PUT Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not allowed to update an existing subscription |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.8.3.3 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Put request for individual Subscription  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

##### 8.3.4.6.7 PATCH Individual Subscription - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.6.7 |
| **Test title** | PATCH Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not allowed to modify an existing subscription |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.8.3.4 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Send Patch request for individual Threshold  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/IndividualSubscription.robot>

#### 8.3.4.7 Notifications

##### 8.3.4.7.1 Log Report Avaliable Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.7.1 |
| **Test title** | Log Report Avaliable Notification |
| **Test objective** | The objective is to test the dispatch of Log Report Avaliable Notification when new log report is available in the NFV-MANO, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | none |
| **Reference** | clause 8.5.9.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Trigger the availability of Log Report (external action)  Check Log Report Available Notification Http POST Request Body Json Schema Is LogReportAvailableNotification Check Log Report Available Notification Http POST Request Body notificationType attribute Is LogReportAvailableNotification | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/Notifications.robot>

#### 8.3.4.8 ApiVersion

##### 8.3.4.8.1 POST API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.1 |
| **Test title** | POST API version - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.2 GET API Version

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.2 |
| **Test title** | GET API Version |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.3 PUT API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.3 |
| **Test title** | PUT API Version - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.4 PATCH API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.4 |
| **Test title** | PATCH API Version - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.5 DELETE API Version - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.5 |
| **Test title** | DELETE API Version - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.6 POST API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.6 |
| **Test title** | POST API version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| POST API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.7 GET API Version with apiMajorVerion

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.7 |
| **Test title** | GET API Version with apiMajorVerion |
| **Test objective** | The objective is to test that GET method successfully return ApiVersionInformation |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| GET API Version  Check HTTP Response Status Code Is 200 Check HTTP Response Body Json Schema Is ApiVersionInformation | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.8 PUT API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.8 |
| **Test title** | PUT API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PUT API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.9 PATCH API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.9 |
| **Test title** | PATCH API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| PATCH API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

##### 8.3.4.8.10 DELETE API Version with apiMajorVerion - Method not implemented

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.8.10 |
| **Test title** | DELETE API Version with apiMajorVerion - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 [5] v3.5.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| DELETE API Version  Check HTTP Response Status Code Is 405 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/ApiVersion.robot>

#### 8.3.4.9 NotificationEndpoint

##### 8.3.4.9.1 Log Report Available Notification

|  |  |
| --- | --- |
| **Test Purpose** | |
| **Test ID** | 8.3.4.9.1 |
| **Test title** | Log Report Available Notification |
| **Test objective** | The objective is to test that Log Report Available Notification is delivered with success to the notification consumer. |
| **Pre-conditions** | A subscription for log report available notification is available in the NFV-MANO. |
| **Reference** | clause 8.5.9.3.1 - ETSI GS NFV-SOL 009 [7] v3.6.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** | |
| Post Log Report Available Notification  Check HTTP Response Status Code Is 204 | |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/9ee47546/SOL009/NFVMANOLogManagement-API/NotificationEndpoint.robot>