SOL003 - VNF Indicator Notification interface

Overview

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IMPORTANT

Please note that this file might be not aligned to the current version of the ETSI Group Specification it refers to. In case of discrepancies the published ETSI Group Specification takes precedence.

In clause 4.3.2 of ETSI GS NFV-SOL 003 v2.4.1, an attribute-based filtering mechanism is defined. This mechanism is currently not included in the corresponding OpenAPI design for this GS version. Changes to the attribute-based filtering mechanism are being considered in v2.5.1 of this GS for inclusion in the corresponding future ETSI NFV OpenAPI design. Please report bugs to https://forge.etsi.org/bugzilla/buglist.cgi?component=Nfv-Openapis&list_id=61&product=NFV&resolution=

Version information

Version: 1.1.0

License information

License: ETSI Forge copyright notice

License URL: https://forge.etsi.org/etsi-forge-copyright-notice.txt

Terms of service: null

URI scheme

BasePath:/callback/v1

Schemes: HTTPS

Consumes

• application/json

Produces

• application/json

External Docs

Description: ETSI GS NFV-SOL 003 V2.4.1

URL: http://www.etsi.org/deliver/etsi_gs/NFV-SOL/001_099/003/02.04.01_60/gs_NFV-

SOL003v020401p.pdf

Paths

POST /URI-is-provided-by-the-client-when-creating-the-subscription-VnfIndicatorValueChangeNotification

Description

Notify

The POST method notifies a VNF alarm or that the alarm list has been rebuilt.

Parameters

Type	Name	Description	Schema
Header	Authorization optional	The authorization token for the request. Reference: IETF RFC 7235	string
Body	AlarmListReb uiltNotificatio n required	Information that the alarm list has been rebuilt by the VNFM	AlarmListRebuiltNot ification

AlarmListRebuiltNotification

Name	Description	Schema
_links required	Links for this resource.	_links
id required	An identifier with the intention of being globally unique.	string
name optional	Human readable name of the VNF indicator. Shall be present if defined in the VNFD.	string
notificationTy pe required	Discriminator for the different notification types. Shall be set to "VnfIndicatorValueChangeNotification" for this notification type.	

Name	Description	Schema
subscriptionI d required	An identifier with the intention of being globally unique.	string
timeStamp required	Date-time stamp. Representation: String formatted according to IETF RFC 3339.	string (date-time)
value required	Provides the value of the VNF indicator. The value format is defined in the VNFD. ETSI GS NFV-SOL 001 specifies the structure and format of the VNFD based on TOSCA specifications.	object
vnfIndicatorI d required	An identifier that is unique within a VNF descriptor.	string
vnfInstanceId required	An identifier with the intention of being globally unique.	string

_links

Name	Description	Schema
subscription required	This type represents a link to a resource.	subscription
vnfInstance required	This type represents a link to a resource.	vnfInstance

subscription

Name	Description	Schema
href required	URI of the referenced resource.	string (url)

vnfInstance

Name	Description	Schema
href required	URI of the referenced resource.	string (url)

HTTP Code	Description	Schema
204	No Content The notification was delivered successfully. The response body shall be empty. Headers: WWW-Authenticate (string): Challenge if the corresponding HTTP request has not provided authorization, or error details if the corresponding HTTP request has provided an invalid authorization token.	
400	Bad Request If the request is malformed or syntactically incorrect (e.g. if the request URI contains incorrect query parameters or a syntactically incorrect payload body), the API producer shall respond with this response code. The "ProblemDetails" structure shall be provided, and should include in the "detail" attribute more information about the source of the problem. — If the request contains a malformed access token, the API producer should respond with this response. The details of the error shall be returned in the WWW-Authenticate HTTP header, as defined in IETF RFC 6750 and IETF RFC 7235. The ProblemDetails structure may be provided. — If there is an application error related to the client's input that cannot be easily mapped to any other HTTP response code ("catch all error"), the API producer shall respond with this response code. The "ProblemDetails" structure shall be provided, and shall include in the "detail" attribute more information about the source of the problem. Headers: Content-Type (string): The MIME type of the body of the response. WWW-Authenticate (string): Challenge if the corresponding HTTP request has not provided authorization, or error details if the corresponding HTTP request has provided an invalid authorization token.	Response 400

HTTP Code	Description	Schema
401	Unauthorized If the request contains no access token even though one is required, or if the request contains an authorization token that is invalid (e.g. expired or revoked), the API producer should respond with this response. The details of the error shall be returned in the WWW-Authenticate HTTP header, as defined in IETF RFC 6750 and IETF RFC 7235. The ProblemDetails structure may be provided. Headers: Content-Type (string): The MIME type of the body of the response. WWW-Authenticate (string): Challenge if the corresponding HTTP request has not provided authorization, or error details if the corresponding HTTP request has provided an invalid authorization token.	Response 401
403	Forbidden If the API consumer is not allowed to perform a particular request to a particular resource, the API producer shall respond with this response code. The "ProblemDetails" structure shall be provided. It should include in the "detail" attribute information about the source of the problem, and may indicate how to solve it. Headers: Content-Type (string): The MIME type of the body of the response.	Response 403
405	Method Not Allowed If a particular HTTP method is not supported for a particular resource, the API producer shall respond with this response code. The "ProblemDetails" structure may be omitted in that case. Headers: Content-Type (string): The MIME type of the body of the response.	Response 405
406	Not Acceptable If the "Accept" HTTP header does not contain at least one name of a content type that is acceptable to the API producer, the API producer shall respond with this response code. The "ProblemDetails" structure may be omitted in that case. Headers: Content-Type (string): The MIME type of the body of the response.	Response 406

HTTP Code	Description	Schema
500	Internal Server Error If there is an application error not related to the client's input that cannot be easily mapped to any other HTTP response code ("catch all error"), the API producer shall respond withthis response code. The "ProblemDetails" structure shall be provided, and shall include in the "detail" attribute more information about the source of the problem. Headers: Content-Type (string): The MIME type of the body of the response.	
503	Service Unavailable If the API producer encounters an internal overload situation of itself or of a system it relies on, it should respond with this response code, following the provisions in IETF RFC 7231 [13] for the use of the "Retry-After" HTTP header and for the alternative to refuse the connection. The "ProblemDetails" structure may be omitted. Headers: Content-Type (string): The MIME type of the body of the response.	

Name	Description	Schema
detail required	A human-readable explanation specific to this occurrence of the problem.	string
instance optional	A URI reference that identifies the specific occurrence of the problem. It may yield further information if dereferenced.	
status required	The HTTP status code for this occurrence of the problem. The HTTP status code ([RFC7231], Section 6) generated by the origin server for this occurrence of the problem.	integer
title optional	A short, human-readable summary of the problem type. It should not change from occurrence to occurrence of the problem, except for purposes of localization. If type is given and other than "about:blank", this attribute shall also be provided. A short, human-readable summary of the problem type. It SHOULD NOT change from occurrence to occurrence of the problem, except for purposes of localization (e.g., using proactive content negotiation; see [RFC7231], Section 3.4).	

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GET /URI-is-provided-by-the-client-when-creating-the-subscription-VnfIndicatorValueChangeNotification

Description

The GET method allows the server to test the notification endpoint that is provided by the client, e.g. during subscription.

Parameters

Type	Name	Description	Schema
Header	Authorization optional	The authorization token for the request. Reference: IETF RFC 7235	string

HTTP Code	Description	Schema
204	No Content The notification endpoint was tested successfully. The response body shall be empty. Headers: WWW-Authenticate (string): Challenge if the corresponding HTTP request has not provided authorization, or error details if the corresponding HTTP request has provided an invalid authorization token.	
400	Bad Request If the request is malformed or syntactically incorrect (e.g. if the request URI contains incorrect query parameters or a syntactically incorrect payload body), the API producer shall respond with this response code. The "ProblemDetails" structure shall be provided, and should include in the "detail" attribute more information about the source of the problem. — If the request contains a malformed access token, the API producer should respond with this response. The details of the error shall be returned in the WWW-Authenticate HTTP header, as defined in IETF RFC 6750 and IETF RFC 7235. The ProblemDetails structure may be provided. — If there is an application error related to the client's input that cannot be easily mapped to any other HTTP response code ("catch all error"), the API producer shall respond with this response code. The "ProblemDetails" structure shall be provided, and shall include in the "detail" attribute more information about the source of the problem. Headers: Content-Type (string): The MIME type of the body of the response. WWW-Authenticate (string): Challenge if the corresponding HTTP request has not provided authorization, or error details if the corresponding HTTP request has provided an invalid authorization token.	Response 400

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503	Service Unavailable If the API producer encounters an internal overload situation of itself or of a system it relies on, it should respond with this response code, following the provisions in IETF RFC 7231 [13] for the use of the "Retry-After" HTTP header and for the alternative to refuse the connection. The "ProblemDetails" structure may be omitted. Headers: Content-Type (string): The MIME type of the body of the response.	

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