



NFV Director

Tracking API Guide

Release 4.1

Second Edition

Notices

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Preface

About this guide

This document contains all the operations related to the tracking and management of task available from the API.

- Tracking APIs

Audience

This document is targeting solution architects and solution integrators.

Document history

Table 1: Document history

Chapter 1 Introduction

NFV Director Tracking API Guide.

REST resources related with the execution and management of task.

In the setup, it will be visible as ‘tracking’

Chapter 2 Paths

This chapter contains the list of all possible messages and responses of the operations listed.

Create Task that not exist

POST /task

Tags: [Task](#)

Create Task that not exist

application/xml application/json

Tasks

[tasks](#)

X-Auth-Token Authentication token header string

application/xml application/json

200 OK

Success

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Get Task from id

GET /task/{taskId}

Tags: [Task](#)

Get Task from id

taskId Task id path integer (int64)

X-Auth-Token Authentication token header string

application/xml application/json

200 OK

Task found

[Task](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

500 Internal Server Error

Internal server error

Get nexts Tasks from taskId

GET /task/{taskId}/next

Tags: [Task](#)

Get nexts Tasks from taskId

taskId Task id path integer (int64)

status status query string[] , multiple parameters (status=aaa&status=bbb)

type type query string

X-Auth-Token Authentication token header string

application/xml application/json

200 OK

Next task found

[tasks](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

500 Internal Server Error

Internal server error

Get previous Tasks from taskId

GET /task/{taskId}/previous

Tags: [Task](#)

Get previous Tasks from taskId

taskId	Task id	path	integer (int64)
status	status	query	string[] , multiple parameters (status=aaa&status=bbb)
type	type	query	string
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Previous task found

[tasks](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

500 Internal Server Error

Internal server error

Return the tasks of the job (including roots or not)

GET /{jobId}/task/roots

Tags: [Task](#)

Return the tasks of the job (including roots or not)

jobId	Job id	path	string
root	including roots or not	query	boolean
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Tasks readed

[tasks](#)

400 Bad Request

Bad request, check input parameters. Are they well formed?

500 Internal Server Error

Internal server error

Update existing task

PUT /task/{taskId}

Tags: [Task](#)

Update existing task

application/xml application/json

Task

[Task](#)

taskId	Task id	path	integer (int64)
X-Auth-Token	Authentication token	header	string

application/xml application/json

200 OK

Task successfully updated

[Task](#)

400 Bad Request

Bad request, check input parameters. Is it well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Add next tasks to taskId

PUT /task/{taskId}/next

Tags: [Task](#)

Add next tasks to taskId

taskId	Task id	path	integer (int64)
nextTaskId	Next taskId	query	string[] , multiple parameters (nextTaskId=aaa&nextTaskId=bbb)
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Next tasks successfully added

[tasks](#)

400 Bad Request

Bad request, check input parameters. Is it well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Add previous tasks to taskId

PUT /task/{taskId}/previous

Tags: [Task](#)

Add previous tasks to taskId

taskId	Task id	path	integer (int64)
prevTaskId	Previous taskId	query	string[] , multiple parameters (prevTaskId=aaa&prevTaskId=bbb)
X-Auth-Token	Authentication token	header	string
application/xml	application/json		

200 OK

Previous tasks successfully added

[tasks](#)

400 Bad Request

Bad request, check input parameters. Is it well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Delete existing task

DELETE /task/{taskId}

Tags: [Task](#)

Delete existing task

taskId	Task id	path	integer (int64)
X-Auth-Token	Authentication token	header	string

204 No Content

Task successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Delete next tasks in taskId

DELETE /task/{taskId}/next

Tags: [Task](#)

Delete next tasks in taskId

taskId	Task id	path	integer (int64)
nextTaskId	Next taskId	query	string[] , multiple parameters (nextTaskId=aaa&nextTaskId=bbb)
X-Auth-Token	Authentication token	header	string

204 No Content

Next tasks successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Delete previous tasks in taskId

DELETE /task/{taskId}/previous

Tags: [Task](#)

Delete previous tasks in taskId

taskId	Task id	path	integer (int64)
prevTaskId	Previous taskId	query	string[] , multiple parameters (prevTaskId=aaa&prevTaskId=bbb)
X-Auth-Token	Authentication token	header	string

204 No Content

Previous tasks successfully deleted

400 Bad Request

Bad request, check input parameters. Are they well formed?

403 Forbidden

Authentication error. Is token missing?

404 Not Found

Bad request

500 Internal Server Error

Internal server error

Chapter 3 Schema definitions

execution-task:

Task

main-artifact: string
final-status: string
condition: string
path: string
running-status: string
workflow: string
behaviour-on-error: string
number-of-retries: integer (int32)
wait-between-retries: integer (int32)
codes-to-do-rollback: string
rollback-workflow: string
mapping-list: string
output-mapping-list: string
order-by: string

execution-task-list:

Task

definition-id: string

navigable-execution-task:

Task

nexts: tasks

navigable-execution-task-list:

Task

nexts: tasks

Task: object

id: integer (int64)
status: string
creation-timestamp: string (date-time)
update-timestamp: string (date-time)
job-id: string
root: boolean
name: string
description: string
start-time: string (date-time)
finish-time: string (date-time)
lock: string
workflow-id: string
match-id: string
rollback-status: string
execution-code: string
execution-description: string
initial-artifact-status: string

tasks: object

tasks: object[]

Task