

# Server - Execution

## Overview

Test execution and resource management APIs.

## Tags

### Execution Automation

Automate server executions to run tests into your DevOps pipelines.

### Static Agent Management

Define and configure external static agent systems.

### Remote Docker Management

Define and configure remote docker systems for additional server execution capacity.

## Paths

***GET* /rest/spaces/{spaceId}/dockerhosts/{id}** Gets a remote docker host in a team space

### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
path	id <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The remote docker execution host is not found.	No Links
200	A remote docker execution host.  <i>Content</i> <b>application/json</b>	No Links

## **PUT** /rest/spaces/{spaceId}/dockerhosts/{id} Updates a remote docker host in a team space

Updates the configurations of the specified remote docker host resource.

### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
path	id <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The specified remote docker host has not been previously defined.	No Links
200	The remote docker execution resource was updated.  <i>Content</i> application/json	No Links

## **DELETE** /rest/spaces/{spaceId}/dockerhosts/{id} Deletes a remote docker host in a team space

Removes the remote docker host as a possible remote execution system. No projects will be able to utilize this docker host.

### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
path	id <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The remote docker execution host was removed.	No Links

## **GET /rest/spaces/{spaceId}/agents/{agentId}** Gets a static agent in a team space

### Parameters

Type	Name	Description	Schema
path	<b>spaceId</b> <i>required</i>		string
path	<b>agentId</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The static agent resource is not found.	No Links
200	A static agent resource.  <i>Content</i> <b>application/json</b>	No Links

## **PUT /rest/spaces/{spaceId}/agents/{agentId}** Updates a static agent in a team space

Updates the configurations of the specified static agent resource.

### Parameters

Type	Name	Description	Schema
path	<b>spaceId</b> <i>required</i>		string
path	<b>agentId</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The specified static agent has not been previously defined.	No Links
200	The static agent resource was updated.  <i>Content</i> <b>application/json</b>	No Links

## **DELETE** /rest/spaces/{spaceId}/agents/{agentId} Deletes a static agent in a team space

Removes the static agent and the agent will not be available for testing on the server.

### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
path	agentId <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The static agent resource was removed.	No Links

## **GET** /rest/dockerhosts Gets all remote docker hosts

Returns all the remote docker hosts associated with the current user.

### Responses

Code	Description	Links
200	OK  <i>Content</i> <b>application/json</b>	No Links

## **PUT** /rest/dockerhosts Updates a remote docker host

Updates the configurations of the specified remote docker host resource.

### Responses

Code	Description	Links
404	The specified remote docker host has not been previously defined.	No Links
200	The remote docker execution resource was updated.  <i>Content</i> <b>application/json</b>	No Links

## **POST /rest/dockerhosts** Defines a remote docker host

Defines a remote docker host for server executions. This allows server executions to occur remotely using the configurations specified by the resource. Before a project is allowed to utilize this resource, it must be explicitly associated with that project.

### Responses

Code	Description	Links
201	The remote docker execution resource was created.  <i>Content</i> <b>application/json</b>	No Links

## **GET /rest/agents** Gets all static agents

Returns all the static agents associated with the current user.

### Parameters

Type	Name	Description	Schema
query	<b>all</b> <i>optional</i>	Whether to return agents created by any user or the current user.	boolean
query	<b>filter</b> <i>optional</i>	Filter agents based on capability(base64 encoded)	string
query	<b>normalize</b> <i>optional</i>	Transforms the hostname to lower-case.	boolean

### Responses

Code	Description	Links
200	OK  <i>Content</i> <b>application/json</b>	No Links

## **PUT /rest/agents** Updates a static agent

Updates the configurations of the specified static agent resource.

### Responses

Code	Description	Links
404	The specified static agent has not been previously defined.	No Links

Code	Description	Links
200	The static agent resource was updated.  <i>Content</i> <b>application/json</b>	No Links

## **POST /rest/agents** Defines a static agent

Defines a static agent to the server. This allows performance tests to replace static agents defined within the test with static agents defined to the server. Before a project is allowed to utilize this resource, it must be explicitly associated with that project.

### Responses

Code	Description	Links
201	The static agent resource was created.  <i>Content</i> <b>application/json</b>	No Links

## **GET /rest/spaces/{spaceId}/dockerhosts** Gets all remote docker hosts in a team space

Returns all the remote docker hosts associated with the current user.

### Parameters

Type	Name	Description	Schema
path	<b>spaceId</b> <i>required</i>		string

### Responses

Code	Description	Links
200	OK  <i>Content</i> <b>application/json</b>	No Links

## **POST /rest/spaces/{spaceId}/dockerhosts** Defines a remote docker host in a team space

Defines a remote docker host for server executions. This allows server executions to occur remotely using the configurations specified by the resource. Before a project is allowed to utilize this resource, it must be explicitly associated with that project.

### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string

### Responses

Code	Description	Links
201	The remote docker execution resource was created.  <i>Content</i> application/json	No Links

## **GET /rest/spaces/{spaceId}/agents** Gets all static agents in a team space

Returns all the static agents associated with the current user in a team space.

### Parameters

Type	Name	Description	Schema
query	all <i>optional</i>	Whether to return agents created by any user or the current user.	boolean
query	filter <i>optional</i>	Filter agents based on capability(base64 encoded)	string
path	spaceId <i>required</i>		string
query	normalize <i>optional</i>	Transforms the hostname to lower-case.	boolean

### Responses

Code	Description	Links
200	OK  <i>Content</i> application/json	No Links

## **POST /rest/spaces/{spaceId}/agents** Defines a static agent in a team space

Defines a static agent to the server. This allows performance tests to replace static agents defined within the test with static agents defined to the server. Before a project is allowed to utilize this resource, it must be explicitly associated with that project.

### Parameters

Type	Name	Description	Schema
path	<b>spaceId</b> <i>required</i>		string

### Responses

Code	Description	Links
201	The static agent resource was created.  <i>Content</i> <b>application/json</b>	No Links

## **GET** /rest/projects/{projid}/dockerhosts/{id} Gets a project associated remote docker host

### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The remote docker host.  <i>Content</i> <b>application/json</b>	No Links

## **POST** /rest/projects/{projid}/dockerhosts/{id} Associates a remote docker host with a project

Associates the remote docker host with **id** to the project **projid**. A remote docker host only becomes visible to a project after it has been associated with the project.

### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)
path	<b>id</b> <i>required</i>		integer (int64)



### Responses

Code	Description	Links
200	The remote docker host has been associated with this project.  <i>Content</i> application/json	No Links

## **DELETE** /rest/projects/{projid}/dockerhosts/{id} Dissociates a remote docker host from a project

Disassociate the remote docker host with **id** from the project **projid**. After this, the project can no longer execute on this remote docker system.

### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The remote docker host has been removed from this project.	No Links

## **GET** /rest/projects/{projid}/agents/{id} Gets a project associated static agent

### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)
query	<b>normalize</b> <i>optional</i>	Transforms the hostname to lower-case.	boolean
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The static agent resource.  <i>Content</i> application/json	No Links

## **POST** /rest/projects/{projid}/agents/{id} Associates a static agent with a project

Associates the static agent with **id** to the project **projid**. A static agent resource only becomes visible to a project after it has been associated with the project.

### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The static agent resource has been associated with this project.  <i>Content</i> application/json	No Links

## **DELETE** /rest/projects/{projid}/agents/{id} Dissociates a static agent from a project

Disassociate the static agent resource with **id** from the project **projid**. After this, the project can no longer utilize this static agent.

### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The static agent resource has been removed from this project.	No Links

## GET /rest/projects/{projectId}/executions/ Query executions

Returns executions matching the specified query parameters.

Examples,

1. /rest/projects/\$projectId/executions/

Returns all executions with status RUNNING, IN\_TRANSITION, SCHEDULED, or STOPPING.

2. /rest/projects/\$projectId/executions/?asset.externalType=APISUITE,APISTUB&execution.status=RUNNING

Returns all executions with status RUNNING and have asset type APISUITE or APISTUB.

### Parameters

Type	Name	Description	Schema
query	<b>include</b> <i>optional</i>	Include additional information about the execution. Possible values, 'data'.	string
query	<b>completionDateAfter</b> <i>optional</i>	Filter executions with a completion date before the specified date.	string
query	<b>scheduledDateBefore</b> <i>optional</i>	Filter executions with a expected start date before the specified date.	string
query	<b>environment</b> <i>optional</i>	Filter by environment. Comma delimited for multiple values.	string
query	<b>execution.status</b> <i>optional</i>	Filter by execution status. By default, only active executions are shown. ALL can be used to match every status. Comma delimited for multiple values.	string
query	<b>completionDateNotSetOrAfter</b> <i>optional</i>	Filter executions with a completion date, if set, after the specified date.	string

Type	Name	Description	Schema
query	<b>asset.id</b> <i>optional</i>	Filter by the testAsset asset id. Comma delimited for multiple values.	string
query	<b>tag</b> <i>optional</i>	Filter executions containing label <b>tag</b> . Comma delimited for multiple values. If multiple are specified, execution must contain all the label tags.	string
query	<b>scheduledDateAfter</b> <i>optional</i>	Filter executions with a expected start date after the specified date.	string
path	<b>projectId</b> <i>required</i>	The project <b>id</b>	string
query	<b>completionDateBefore</b> <i>optional</i>	Filter executions with a completion date before the specified date.	string
query	<b>asset.path</b> <i>optional</i>	Filter by the testAsset repository path. Comma delimited for multiple values.	string
query	<b>asset.externalType</b> <i>optional</i>	Filter by the testAsset external type. Comma delimited for multiple values.	string

#### Responses

Code	Description	Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links
200	List of execution resources  <i>Content</i> <b>application/json</b>	No Links

## **POST /rest/projects/{projectId}/executions/ Starts an execution**

### Description

Submits a request to start an execution using the posted specification. Upon successful acceptance, the response will contain a Location header URL which contains an execution resource. The execution resource contains a URI reference to a result resource which can be used to monitor execution progress. ## Prerequisites - Existing project configured with test assets - User authentication token for security - The projectId and execution specification json - Hint, use the browser's development tools network tab to see actual submitted json

# Authentication

The server APIs are protected using an oauth2 provider. Accessing the APIs outside the browser requires use of a user offline token.

To obtain an offline token - Use a browser and login to the main server page - In the upper-right corner, select **User Icon** → **Create Token** - Copy the token and save it in a secure location

The offline token can be used to generate an access token which is shown in the example.

## Example

The following uses a bash script to launch an execution.

### Example 1, basic example using all defaults

```
`` #!/bin/bash # Requires environment variable # OFFLINE_TOKEN set to User → Create Token #
PROJECT_ID set to /rest/project/{PROJECT_ID} in URLs, like 1050 OTS_SERVER=https://10.0.2.15.nip.io
CURL_CMD="curl -k" # Add -k for insecure testing
```

## Use offline token to gain a temporary access token

```
access_token=$(CURL_CMD -X POST -H "Accept: application/json" \ -d
refresh_token=$OFFLINE_TOKEN $OTS_SERVER/rest/tokens/ | jq -r .access_token)
```

```
POST='{ "testAsset": { "revision": "master", "name": "SettingsFVTProject/Compound
Tests/VerifyCloudCompoundTest.testsuite" },' POST="$POST \"offlineToken\": \"$OFFLINE_TOKEN\""
```

```
execution_rsc=$(CURL_CMD -H "Content-Type: application/json" -H "Authorization: Bearer
$access_token" \ -d "$POST" $OTS_SERVER/rest/projects/$PROJECT_ID/executions/) echo
$execution_rsc ``
```

```
output
{"id": "1cee02cb-9a89-4175-acef-6af120497476", "result": {"ref": "https://10.0.2.15.nip.io/rest/projects/3600/results/2451", "id": "2451"}}
```

### Example 2, scheduled run at specific date using a different test asset revision

```
` POST='{ "testAsset": { "revision": "Release4.1", "name": "SettingsFVTProject/Compound
Tests/VerifyCloudCompoundTest.testsuite" },' POST="$POST" "scheduled": { "at": "2020-08-
22T15:00:25Z" },' POST="$POST" "offlineToken": "$OFFLINE_TOKEN"}`
```

# External References

The following is a quick reference to the external references used in the **execution** API. For the latest updates and additional details see the documentation for each API.

## testAsset

To see the list of possible executable tests use the **test asset management** API

- `/rest/projects/$projectId/assets/?assetTypes=EXECUTABLE&revision=$revision&deployable=true`
- `projectId` - The project ID
- `revision` - The branch name, commit ID (master etc)
- Response
- `testAsset('id')` one of JSON path content[\*].id or
- `testAsset('name')` one of JSON path content[\*].name

## secretsCollection

To see the list of possible secrets use the **secrets** API

- `/rest/projects/$projectId/secrets/?type=ENVIRONMENT`
- `projectId` - The project ID
- Response
- `environment.secretsCollection` one of JSON path `data[].id` or `data[].name`

## DataSource

To see the list of data-sources used in any particular test

- `/rest/projects/$projectId/assets/$assetId/$revision/dependencies/?assetTypes=dataset`
- `projectId` - The project ID
- `assetId` - The asset id of the test
- `revision` - The branch name, commit ID (master etc)
- Response
- `DataSource.assetId` one of JSON path content[\*].id

## DataSourceReplacement

To see the list of compatible data source replacements given a data source identified by **assetId**

- `/rest/projects/$projectId/datasets/?branch=$revision&assetId=$DataSourceAssetId&findSwaps=true`

- projectId - The project ID
- revision - The branch name, commit ID (master etc)
- DataSourceAssetId - The assetId of a data-source
- Response
- datasetId one of JSON path data[\*].datasetId

## AgentReplacement

To see the list of possible agent replacements use the **execution** API

- /rest/projects/**\$projectId**/agents?normalize=true
- projectId - The project ID
- Response
- agentId one of JSON path [\*].id
- agentHostname one of JSON path [\*].hostName

### Parameters

Type	Name	Description	Schema
path	<b>projectId</b> <i>required</i>	The project id	string

### Responses

Code	Description	Links						
401	Unauthorized user. Ensure user is member of project and authorization headers are correct.	No Links						
201	An execution was created. See Execution resource.  <i>Headers</i> <table border="1" data-bbox="268 1451 1190 1653"> <thead> <tr> <th>Name</th> <th>Description</th> <th>Schema</th> </tr> </thead> <tbody> <tr> <td>Location</td> <td>The URI of the execution resource</td> <td>string</td> </tr> </tbody> </table>  <i>Content</i> <b>application/json</b>	Name	Description	Schema	Location	The URI of the execution resource	string	No Links
Name	Description	Schema						
Location	The URI of the execution resource	string						

## **PATCH** /rest/projects/{projectId}/executions/ Stops one or more executions

Stops or cancels multiple executions that are active or scheduled in the future.

### Parameters

Type	Name	Description	Schema
query	<b>stopTimeoutSecs</b> <i>optional</i>	Stop grace period before hard stopping the executions, default 30 seconds.	integer (int32)
query	<b>executeFinallyBlock</b> <i>optional</i>	Whether to execute any finally blocks tests, default true.	boolean
query	<b>captureResults</b> <i>optional</i>	Whether the results should be fully captured, default true.	boolean
path	<b>projectId</b> <i>required</i>	The project <b>id</b>	string

#### Responses

Code	Description	Links
202	The request to stop executions was accepted and is being processed  <i>Content</i> <b>text/plain</b>	No Links
422	One or more executions were not found  <i>Content</i> <b>text/plain</b>	No Links

## **POST /rest/dockerhosts/testconnection** Tests a remote docker host execution capability

Tests the remote docker hosts for basic execution capabilities. This can be useful to determine if a remote docker host has been properly configured before adding it to the server.

#### Responses

Code	Description	Links
200	The docker execution status.  <i>Content</i> <b>application/json</b>	No Links



## PATCH

### `/rest/projects/{projectId}/executions/{executionId}/status` Updates the execution status

Updates the execution status. Intended for internal use. To stop a run use DELETE `/executions/executionId` API.

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution id	string
path	<b>projectId</b> <i>required</i>	The project id	string

#### Responses

Code	Description	Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links
204	The status was updated	No Links

## GET

### `/rest/projects/{projectId}/executions/{executionId}/advancedSettings/configurations` Gets all the advanced configurations

Gets the current advanced configurations.

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution id	string
path	<b>projectId</b> <i>required</i>	The project id	string

#### Responses

Code	Description	Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links
200	The current advanced configurations  <i>Content</i> /	No Links

## PATCH

### `/rest/projects/{projectId}/executions/{executionId}/advancedSettings/configurations` Updates all the advanced configurations

Updates or creates a set of advanced configurations. This can cause an execution to restart/redeploy. Only supported for certain test types.

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution id	string
path	<b>projectId</b> <i>required</i>	The project id	string

#### Responses

Code	Description	Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links
204	The advanced configurations were updated	No Links

## PATCH

### `/rest/projects/{projectId}/executions/{executionId}/advancedSettings/configurations/{configurationName}/` Updates or creates a specific advanced configuration.

Updates or creates a specific advanced configuration. This can cause an execution to restart/redeploy. Only supported for certain test types.

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution id	string
path	<b>configurationName</b> <i>required</i>	The name of a configuration	string
path	<b>projectId</b> <i>required</i>	The project id	string

#### Responses

Code	Description	Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links
204	The advanced configuration was updated or configured	No Links

## **GET** /rest/spaces/{spaceId}/virtualization/rules

### Parameters

Type	Name	Description	Schema
path	<b>spaceId</b> <i>required</i>		string
query	<b>executionId</b> <i>optional</i>		string

### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## **GET** /rest/spaces/{spaceId}/virtualization/rules/{id}

### Parameters

Type	Name	Description	Schema
path	<b>spaceId</b> <i>required</i>		string
path	<b>id</b> <i>required</i>		string

### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

### /rest/spaces/{spaceId}/virtualization/rules/{id}/activity

#### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
query	offset <i>optional</i>		integer (int32)
query	limit <i>optional</i>		integer (int32)
path	id <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET /rest/spaces/{spaceId}/virtualization/intercepts

#### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

### /rest/spaces/{spaceId}/virtualization/intercepts/{id}

#### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
path	id <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## **GET /rest/spaces/{spaceId}/dockerhosts/{id}/status** Gets a remote docker host in a team space execution status

Returns the last known status. Occasionally, the server will contact the remote docker host to determine its execution capability status.

#### Parameters

Type	Name	Description	Schema
path	spaceId <i>required</i>		string
path	id <i>required</i>		integer (int64)

#### Responses

Code	Description	Links
404	The remote docker execution host is not found.	No Links
200	The execution capability status.  <i>Content</i> application/json	No Links

## **GET /rest/projects/{projid}/dockerhosts** Gets all remote docker hosts associated with a project

#### Parameters

Type	Name	Description	Schema
path	<b>projid</b> <i>required</i>		integer (int64)

#### Responses

Code	Description	Links
200	The remote docker host.  <i>Content</i> <b>application/json</b>	No Links

***GET* /rest/projects/{projid}/agents** Gets all static agents associated with a project. The returned list will contain all available agents in sorted order i.e. first that match based on filterParams and then others. Also for all the agents the MatchSpecifics details are set to each agent

#### Parameters

Type	Name	Description	Schema
query	<b>filter</b> <i>optional</i>	Filter agents based on capability(base64 encoded)	string
path	<b>projid</b> <i>required</i>		integer (int64)
query	<b>normalize</b> <i>optional</i>	Transforms the hostname to lower-case.	boolean

#### Responses

Code	Description	Links
200	The static agent resource.  <i>Content</i> <b>application/json</b>	No Links

***GET* /rest/projects/{projectId}/virtualization/rules**

#### Parameters

Type	Name	Description	Schema
query	<b>executionId</b> <i>optional</i>		string
query	<b>stubsRuntimeId</b> <i>optional</i>		string
path	<b>projectId</b> <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

**/rest/projects/{projectId}/virtualization/rules/{id}**

#### Parameters

Type	Name	Description	Schema
path	<b>id</b> <i>required</i>		string
path	<b>projectId</b> <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

**/rest/projects/{projectId}/virtualization/rules/{id}/activity**

#### Parameters

Type	Name	Description	Schema
query	<b>offset</b> <i>optional</i>		integer (int32)

Type	Name	Description	Schema
query	limit <i>optional</i>		integer (int32)
path	id <i>required</i>		string
path	projectId <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

**/rest/projects/{projectId}/virtualization/intercepts**

#### Parameters

Type	Name	Description	Schema
path	projectId <i>required</i>		string

#### Responses

Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

**/rest/projects/{projectId}/virtualization/intercepts/{id}**

#### Parameters

Type	Name	Description	Schema
path	id <i>required</i>		string
path	projectId <i>required</i>		string

#### Responses



Code	Description	Links
200	OK  <i>Content</i> /	No Links

## GET

**/rest/projects/{projectId}/executions/{executionId}**

### Gets an execution

Returns the execution resource with an id of **executionId**

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution id	string
query	<b>include</b> <i>optional</i>	Include additional information about the execution. Possible values, 'data'.	string
path	<b>projectId</b> <i>required</i>	The project id	string

#### Responses

Code	Description	Links
200	An execution resource  <i>Content</i> <b>application/json</b>	No Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links

## DELETE

**/rest/projects/{projectId}/executions/{executionId}**

### Stops an execution

Stops an active execution or cancels an execution scheduled in the future.

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution id	string

Type	Name	Description	Schema
query	<b>stopTimeoutSecs</b> <i>optional</i>	Stop grace period before hard stopping the execution, default 30 seconds.	integer (int32)
query	<b>executeFinallyBlock</b> <i>optional</i>	Whether to execute any finally blocks in the test, default true.	boolean
query	<b>captureResults</b> <i>optional</i>	Whether the results should be fully captured, default true.	boolean
path	<b>projectId</b> <i>required</i>	The project <b>id</b>	string

#### Responses

Code	Description	Links
202	The request to stop the execution was accepted and is being processed	No Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links

## GET

### **/rest/projects/{projectId}/executions/{executionId}/log** Gets the execution container log

Returns the container log of the execution. This can be used to see the standard output and error when investigating failed executions.

#### Parameters

Type	Name	Description	Schema
path	<b>executionId</b> <i>required</i>	The execution <b>id</b>	string
query	<b>initContainer</b> <i>optional</i>	Whether the log for the init container should be returned.	boolean
path	<b>projectId</b> <i>required</i>	The project <b>id</b>	string

#### Responses

Code	Description	Links
200	An execution log  <i>Content</i> <b>text/plain</b>	No Links
410	The container log for the execution is no longer available	No Links
404	The <b>executionId</b> does not exist or was previously deleted	No Links

## **GET** /rest/dockerhosts/{id} Gets a remote docker host

### Parameters

Type	Name	Description	Schema
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The remote docker execution host is not found.	No Links
200	A remote docker execution host.  <i>Content</i> <b>application/json</b>	No Links

## **DELETE** /rest/dockerhosts/{id} Deletes a remote docker host

Removes the remote docker host as a possible remote execution system. No projects will be able to utilize this docker host.

### Parameters

Type	Name	Description	Schema
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
200	The remote docker execution host was removed.	No Links

## **GET /rest/dockerhosts/{id}/status** Gets a remote docker host execution status

Returns the last known status. Occasionally, the server will contact the remote docker host to determine its execution capability status.

### Parameters

Type	Name	Description	Schema
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The remote docker execution host is not found.	No Links
200	The execution capability status.  <i>Content</i> <b>application/json</b>	No Links

## **GET /rest/agents/{id}** Gets a static agent

### Parameters

Type	Name	Description	Schema
path	<b>id</b> <i>required</i>		integer (int64)

### Responses

Code	Description	Links
404	The static agent resource is not found.	No Links
200	A static agent resource.  <i>Content</i> <b>application/json</b>	No Links

## **DELETE /rest/agents/{id}** Deletes a static agent

Removes the static agent and the agent will not be available for testing on the server.

### Parameters

Type	Name	Description	Schema
path	<b>id</b> <i>required</i>		integer (int64)

## Responses

Code	Description	Links
200	The static agent resource was removed.	No Links

# Components

## Schemas

### DockerHost

#### Properties

Name	Description	Schema
username <i>optional</i>		string
info <i>optional</i>		<a href="#">DockerHostInfo</a>
id <i>optional</i>		integer (int64)
name <i>optional</i>		string
hostName <i>optional</i>		string
ipAddress <i>optional</i>		string
port <i>optional</i>		string
owner <i>optional</i>		string
type <i>optional</i>		string
projectList <i>optional</i>		string
teamSpaceList <i>optional</i>		string
secure <i>optional</i>		boolean
caCert <i>optional</i>		string
clientCert <i>optional</i>		string
clientKey <i>optional</i>		string

### DockerHostInfo

#### Properties

Name	Description	Schema
server <i>optional</i>		string
version <i>optional</i>		string
apiVersion <i>optional</i>		string
goVersion <i>optional</i>		string
gitCommit <i>optional</i>		string
buildDate <i>optional</i>		string
osArch <i>optional</i>		string
experimental <i>optional</i>		boolean

## Capability

### Properties

Name	Description	Schema
id <i>optional</i>		integer (int64)
name <i>optional</i>		string
version <i>optional</i>		string
vendor <i>optional</i>		string
value <i>optional</i>		< <a href="#">CapabilityValues</a> > array
key <i>optional</i>		string
category <i>optional</i>		enum (SYSTEM,APPLICATION,USER_DEFINED)
lastModified <i>optional</i>		integer (int64)

## CapabilityMatch

### Properties

Name	Description	Schema
matchedCapability <i>optional</i>	<i>unique items</i>	< <a href="#">Capability</a> > array
misMatchedCapability <i>optional</i>	<i>unique items</i>	< <a href="#">Capability</a> > array
match <i>optional</i>		boolean

## CapabilityValue

### Properties

Name	Description	Schema
id <i>optional</i>		integer (int64)
key <i>optional</i>		string
value <i>optional</i>		string
descriptiveTextId <i>optional</i>		string
icon <i>optional</i>		string
weight <i>optional</i>		integer (int32)
hidden <i>optional</i>		boolean

## CapabilityValues

### Properties

Name	Description	Schema
id <i>optional</i>		integer (int64)
icon <i>optional</i>		string
capability <i>optional</i>		< <a href="#">CapabilityValue</a> > array

## StaticAgent

### Properties

Name	Description	Schema
id <i>optional</i>	Internal identifier assigned by the system.	integer (int64)
hostName <i>required</i>	The internet hostname of the static agent.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
ipAddress <i>optional</i>	The internet IP address of the static agent.	string
owner <i>optional</i>	Internal user identifier assigned by the system.	string
type <i>optional</i>	The type of static agent.	string
version <i>optional</i>	The version of the static agent.	string
operatingSystem <i>optional</i>	The operating system of the static agent.	string
architecture <i>optional</i>	The CPU architecture of the static agent.	string
ram <i>optional</i>	The amount of memory in bytes of the static agent.	string
licenseType <i>optional</i>	The internal license type of the static agent.	string
pollInterval <i>optional</i>	How frequently the static agent polls the server for work in milliseconds.	integer (int64)
engineListSize <i>optional</i>	The number of active execution engines on this static agent.	integer (int32)
contactTime <i>optional</i>	The last time the static agent updated its resource.	integer (int64)
capabilities <i>optional</i>	The capabilities of the static agent. <i>unique items</i>	< <a href="#">Capability</a> > array
matchSpecifics <i>optional</i>		<a href="#">CapabilityMatch</a>
state <i>optional</i>	The current state of the static agent.	enum (AVAILABLE,BUSY,LOST)
rtbState <i>optional</i>	The resource monitoring state.	enum (AVAILABLE,BUSY,LOST)
rtbContactTime <i>optional</i>	The last time the resource monitoring contacted the server.	integer (int64)

## AdvancedSettings

Various advanced settings used to override default product behaviors.

### Properties



Name	Description	Schema
jvmArguments <i>optional</i>	Additional Java JVM arguments.  <b>Maximum Items:</b> 100 <b>Minimum Items:</b> 0	< string > array
programArguments <i>optional</i>	Additional program arguments. See product documentation for additional details.  <b>Maximum Items:</b> 100 <b>Minimum Items:</b> 0	< string > array
environmentVariables <i>optional</i>	Additional environmental variables passed into the execution process.	object
configuration <i>optional</i>	Additional configuration settings for the execution.	object

## AgentOverride

Override a test defined agent **source** referenced in **testAsset** with a server defined agent resource referenced by **replacement**.

### Properties

Name	Description	Schema
agentOverride <i>required</i>		<a href="#">AgentOverrideSpec</a>

## AgentOverrideSpec

An agent override specification.

### Properties

Name	Description	Schema
source <i>required</i>	Test defined agent identified by <b>source</b> . The value of <b>source</b> is specific to the test extension. In Performance Tests, it must be the location resource hostName.	string
replacement <i>required</i>		<a href="#">AgentSpec</a>

## AgentSpec

A reference to an agent resource. Either **id** or **hostName** must be specified.

### Properties

Name	Description	Schema
id <i>optional</i>	Find the agent resource by agent id.	string
hostName <i>optional</i>	Find the agent resource by agent hostName.	string

## DataSource

Data source defined in the test referenced by **testAsset**. Specified either using **assetId** or **assetName**. This is specific to the test type. For example, in a Performance Test this could be a dataset reference used in a testsuite.

### Properties

Name	Description	Schema
assetId <i>optional</i>	Test defined data source referenced by asset id provided by the <b>test asset management API</b> .	string
assetName <i>optional</i>	Test defined data source referenced by asset name (full repository path) provided by the <b>test asset management API</b> .	string

## DataSourceOverride

Overrides data source **source** with **replacement**.

### Properties

Name	Description	Schema
source <i>optional</i>		<a href="#">DataSource</a>
replacement <i>optional</i>		<a href="#">DataSourceReplacement</a>

## DataSourceReplacement

This overrides/replaces **source** with a server defined data source.

### Properties

Name	Description	Schema
datasetId <i>optional</i>	Server defined data source referenced by dataset id provided by the <b>dataset API</b> .	string

## DockerExecution

Execution occurs on the remote docker hosts specified by **dockerExecution**.

### Properties

Name	Description	Schema
dockerExecution <i>required</i>		<a href="#">DockerExecutionSpec</a>

## DockerExecutionSpec

A reference to a docker host resource.

### Properties

Name	Description	Schema
id <i>optional</i>	Find the docker hosts resource by docker hosts <b>id</b> . A value of '*' will match any docker host.	string
hostName <i>optional</i>	Find the docker hosts resource by docker hosts <b>hostName</b> .	string
resourceName <i>optional</i>	Find the docker hosts resource by docker hosts resource <b>name</b> . This is defined in the UI and can be different than the <b>hostName</b> .	string

## ExecutionSpecification

Execution specification

### Properties

Name	Description	Schema
testAsset <i>required</i>	<p>The main test asset to execute provided by the <b>test asset management</b> API.</p> <p>The test asset is specified by using the following one or more of the following parameters.</p> <ul style="list-style-type: none"> <li>• Reference to the asset, must specify either <ul style="list-style-type: none"> <li>• name</li> <li>• The full repository path of the test asset. Only allowed if path is unique across all repositories for a given project.</li> </ul> </li> <li>• example <ul style="list-style-type: none"> <li>• RegressionTests/VerificationProject/Tests/BasicFlows.testsuite</li> </ul> </li> <li>• assetId <ul style="list-style-type: none"> <li>• The test asset unique identifier provided by the <b>test asset management</b> API.</li> </ul> </li> <li>• example <ul style="list-style-type: none"> <li>• cb260cbf-7901-4c89-a60c-bf79011c890f</li> </ul> </li> <li>• The version of the asset, combination of <ul style="list-style-type: none"> <li>• revision</li> <li>• (required) The branch name of the test asset.</li> </ul> </li> <li>• example <ul style="list-style-type: none"> <li>• Production6.1Tests</li> </ul> </li> <li>• requestedVersion <ul style="list-style-type: none"> <li>• (optional) The specific version of the test asset. This is usually a commit ID. If not specified, the latest version within branch will be used.</li> </ul> </li> <li>• example <ul style="list-style-type: none"> <li>• 22bd240f01daf249babfbd0a2b6f17bdfbd4d58b</li> </ul> </li> </ul>	object
offlineToken <i>required</i>	A valid offline token, see UI → User Icon → Create Token.	string
tags <i>optional</i>	Any tags to associate with this execution.	< string > array
scheduled <i>optional</i>		<a href="#">Scheduled</a>
secretsCollection <i>optional</i>	The secrets collection provide by the <b>secrets</b> API, specified by secrets name or secrets id.	string
environment <i>optional</i>	Overrides the environment, specified by name.	string

Name	Description	Schema
advancedSettings <i>optional</i>		<a href="#">AdvancedSettings</a>
variables <i>optional</i>	A variable name to variable value dictionary containing any test defined variable overrides. A mapping will overrides the value of a variable defined in the test referenced by <b>testAsset</b> at <b>revision</b>	object
dataSources <i>optional</i>	Overrides the value of a data source defined in the test referenced by <b>testAsset</b> at <b>revision</b> .	< <a href="#">DataSourceOverride</a> > array
resourceMonitoringTags <i>optional</i>	Overrides the resource monitoring tags used in the test referenced by <b>testAsset</b> at <b>revision</b> . Only used in tests previously configured with resource monitoring tags.	< string > array
remoteLocations <i>optional</i>	Contains all the remote locations involved in this execution. This includes any static agent overrides or details on where the remote execution should occur.	< <a href="#">RemoteLocation</a> > array

## RemoteLocation

A remote location.

## Scheduled

Contains a scheduling object when the execution needs to occur exactly once sometime in the future. A date or relative duration can be specified. If both are specified an error occurs.

### Properties

Name	Description	Schema
at <i>optional</i>	Execution occurs only once at the specified date (ISO_8601 UTC format). A time specified without a month, day, and year are not accepted (7:00PM). [java.time.Instant.parse()]( <a href="https://docs.oracle.com/javase/8/docs/api/java/time/Instant.html#parse-java.lang.CharSequence-">https://docs.oracle.com/javase/8/docs/api/java/time/Instant.html#parse-java.lang.CharSequence-</a> ) is used to convert the ISO_8601 date string.	string
in <i>optional</i>	Execution occurs only once after the specified duration (ISO_8601) relative to now. [java.time.Duration.parse()]( <a href="https://docs.oracle.com/javase/8/docs/api/java/time/Duration.html#parse-java.lang.CharSequence-">https://docs.oracle.com/javase/8/docs/api/java/time/Duration.html#parse-java.lang.CharSequence-</a> ) is used to convert the ISO_8601 duration string. Common examples, - PT20.345S - in 20.345 seconds - PT15M - in 15 minutes - P2DT3H4M - in 2 days, 3 hours and 4 minutes	string

## Execution

### Properties

Name	Description	Schema
<i>id optional</i>	The execution id of this execution.	string
<i>result optional</i>		<a href="#">ResultReference</a>
<i>status optional</i>	The execution status.	enum (COMPLETE, COMPLETE_WITH_ERROR, STOPPED_BY_USER, STOPPED_AUTOMATICALLY, INCOMPLETE, RUNNING, IN_TRANSITION, SCHEDULED, CANCELED, LAUNCH_FAILED, STOPPING)
<i>message optional</i>	The execution message. This may provide additional context during error conditions.	string
<i>internal optional</i>		object
<i>startDate optional</i>	When the execution actually was started in ISO8601 format. Can be null if execution hasn't started.	string (date-time)
<i>completionDate optional</i>	When the execution completed in ISO8601 format. Can be null if execution hasn't completed.	string (date-time)

## ResultReference

A reference to this executions result provided by the **results** API

### Properties

Name	Description	Schema
<i>ref optional</i>	The result resource URI	string
<i>id optional</i>	The result resource identifier provided by the <b>results</b> API	string

## TestConnectionStatus

### Properties

Name	Description	Schema
<i>status optional</i>		string

Name	Description	Schema
reason <i>optional</i>		string
info <i>optional</i>		<a href="#">DockerHostInfo</a>

## ExecStatus

Internal use only, designed for protocol implementors. Updates the execution status.

### Properties

Name	Description	Schema
status <i>optional</i>		enum (COMPLETE, COMPLETE_WITH_ERROR, STOPPED_BY_USER, STOPPED_AUTOMATICALLY, INCOMPLETE, RUNNING, IN_TRANSITION, SCHEDULED, CANCELED, LAUNCH_FAILED, STOPPING)
message <i>optional</i>		string

## Value

A value.

### Properties

Name	Description	Schema
value <i>optional</i>		string

## JsonPatch

### Properties

Name	Description	Schema
operations <i>optional</i>		< <a href="#">Operation</a> > array

## Operation

### Properties

Name	Description	Schema
<i>op optional</i>		string
<i>from optional</i>		string
<i>path optional</i>		string
<i>value optional</i>		string

## ActivityResource

### Properties

Name	Description	Schema
<i>recipients optional</i>		< string > array
<i>mode optional</i>		enum (recording, routing)
<i>type optional</i>		string

## ConditionResource

### Properties

Name	Description	Schema
<i>target optional</i>		string
<i>full optional</i>		string
<i>detail optional</i>		string

## InterceptRule

### Properties

Name	Description	Schema
<i>id optional</i>		string
<i>projectId optional</i>		string
<i>createdBy optional</i>		string
<i>createdAt optional</i>		integer (int64)



Name	Description	Schema
condition <i>optional</i>		<a href="#">ConditionResource</a>
activity <i>optional</i>		<a href="#">ActivityResource</a>
status <i>optional</i>		string
intercepts <i>optional</i>		< string > array

## ActivityLogEntry

### Properties

Name	Description	Schema
message <i>optional</i>		string
date <i>optional</i>		integer (int64)

## RuleActivityLog

### Properties

Name	Description	Schema
entries <i>optional</i>		< <a href="#">ActivityLogEntry</a> > array
totalEntries <i>optional</i>		integer (int32)

## Intercept

### Properties

Name	Description	Schema
id <i>optional</i>		string
classLocation <i>optional</i>		string
configLocation <i>optional</i>		string
hostName <i>optional</i>		string
identifier <i>optional</i>		string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
interceptCapabilities <i>optional</i>	<i>unique items</i>	< string > array
operatingSystem <i>optional</i>		string
owner <i>optional</i>		string
ports <i>optional</i>		string
processId <i>optional</i>		string
state <i>optional</i>		enum (AVAILABLE,BUSY,LOST)
supportedRuleTypes <i>optional</i>	<i>unique items</i>	< string > array
type <i>optional</i>		string
version <i>optional</i>		string