

Test Repository - REST

The Xray REST API provides the following endpoints for managing the Test Repository information of a given project.

Some endpoints support pagination, using the `page` and `limit` query parameters.

Hierarchy

- To obtain a list of all Test Repository folders of a given project, including their hierarchy information, you need to specify the key of the respective project.

Returns a JSON object with a list of the folders of the Test Repository.

Request

PATH PARAMETERS

parameter	type	description
projectKey	String	project key



Example Request

```
curl -H "Content-Type: application/json" -X GET -u admin:admin http://yourserver/rest/raven/1.0/api/testrepository/<projectKey>/folders
```

Responses

200 OK : **application/json** : Successful. Returns a JSON object.

Each folder will provide some information, including:

- `id`: internal folder Id; "-1" corresponds to the Test Repository root folder
- `rank`: rank of the folder in the parent folder ("1" corresponds to the first element)
- `name`: folder's name
- `testRepositoryPath`: the full Test Repository path of this folder
- `folders`: sub-folders
- `testCount`: count of direct child Tests
- `totalTestCount`: total count of all childs Tests

Example Output

```
{
  "folders": [
    {
      "id": 6,
      "rank": 1,
      "name": "Folder1",
      "testRepositoryPath": "/Folder1",
      "folders": [],
      "testCount": 0,
      "totalTestCount": 0
    },
    {
      "id": 7,
      "rank": 2,
      "name": "Folder2",
      "testRepositoryPath": "/Core",
      "folders": [
        {
          "id": 8,
          "rank": 1,
          "name": "Sub2",
          "testRepositoryPath": "/Core/UI",
          "folders": [],
          "testCount": 1,
          "totalTestCount": 1
        },
        {
          ...
        }
      ],
      "testCount": 0,
      "totalTestCount": 3
    }
  ],
}
```

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL SERVER ERROR : **text/plain** : An internal error occurred getting the folders.

Tests

- To obtain a list of the Tests associated with the Test Repository of a given project, you need to specify the key of project
- To obtain a list of the Tests contained within a given Test Repository folder, you need to specify its folderId, besides the project key
- To change (add/remove) Tests to a given folder, you need to specify the key of the respective project

Returns a JSON object with a list of the Tests contained in a given folder of the Test Repository.

This endpoint supports pagination.

Request

PATH PARAMETERS

parameter	type	description
projectKey	<i>String</i>	project key
folderId	<i>Integer</i>	internal folder Id; "-1" corresponds to the root folder of the Test Repository

QUERY PARAMETERS

parameter	type	description
allDescendants	<i>Boolean</i>	include all descendants (i.e. all child Tests); "false", by default
page	<i>Integer</i>	page of paginated data (first 1)
limit	<i>Integer</i>	amount of Tests per paginated data



Request examples

```
curl -H "Content-Type: application/json" -X GET -u admin:admin http://yourserver/rest/raven/1.0/api/testrepository/<projectKey>/folders/<folderId>/tests
```

```
curl -H "Content-Type: application/json" -X GET -u admin:admin http://yourserver/rest/raven/1.0/api/testrepository/<projectKey>/folders/<folderId>/tests?allDescendants=true
```

Responses

200 OK : **text/plain** : Successful. Returns a JSON object containing the Tests.

Each test will provide some information, including:

- **id**: internal Test Id
- **key**: Test's issue key
- **summary**: Test's summary
- **assignee**: Test's issue assignee
- **rank**: rank of the Test in the parent folder ("1" corresponds to the first element)
- **workflowStatus**: Test's workflow status
- **labels**: array of all Test's assigned labels
- **components**: array of all Test's assigned components
- **testType**: Test type (e.g. "Manual", "Cucumber", "Generic")

Output example for listing only the direct descendants of a given folder

```
{
  "tests": [
    {
      "id": 24300,
      "key": "FP-10",
      "summary": "Issue test create inside folder",
      "assignee": "",
      "rank": 1,
      "workflowStatus": "Open",
      "labels": [],
      "components": [],
      "testType": "Manual",
    },
    {
      "id": 24301,
      "key": "FP-11",
      "summary": "Issue test create inside folder",
      "assignee": "",
      "rank": 2,
      "workflowStatus": "Open",
      "labels": [],
      "components": [],
      "testType": "Manual",
    },
    ...
  ],
  "total": 3,
}
```

Output example for listing all descendants of a given folder

```
{
  "tests": [
    {
      "id": 24300,
      "key": "FP-10",
      "summary": "Issue test create inside folder",
      "assignee": "",
      "rank": 1,
      "workflowStatus": "Open",
      "labels": [],
      "components": [],
      "testType": "Manual",
    },
    {
      "id": 24301,
      "key": "FP-11",
      "summary": "Issue test create inside folder",
      "assignee": "",
      "rank": 1,
      "workflowStatus": "Open",
      "labels": [],
      "components": [],
      "testType": "Manual",
    },
    ...
  ],
  "total": 3,
}
```

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL_SERVER_ERROR : **text/plain** : An internal error occurred getting the tests.

Add/remove tests to/from the given Test Repository folder. Returns error messages, if there are any.

Request

PATH PARAMETERS

parameter	type	description
projectKey	<i>String</i>	project key
folderId	<i>integer</i>	internal folder Id

Example

Example Input

```
{
  "add": [
    "CALC-33",
    "CALC-75"
  ],
  "remove": [
    "CALC-25",
    "CALC-45"
  ]
}
```



Request example

```
curl -H "Content-Type: application/json" -X PUT -u admin:admin --data @example.json http://yourserver/rest/raven/1.0/api/testrepository/FP/folders/9/tests
```

Responses

200 OK : **text/plain** : Successful. Return error messages, if there are any.

Example Output

```
["Issue with key CALC-33 not found or is not of type Test."]
```

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray for JIRA license is not valid.

500 INTERNAL_SERVER_ERROR : **text/plain** : An internal error occurred associating the tests.

Folders

- To obtain or update information about a given Test Repository folder, you need to specify both the project key and the internal folder Id
- To remove a folder from the Test Repository, you need to specify both the project key and the internal folder Id

Returns a JSON object with folder information.

Request

PATH PARAMETERS

parameter	type	description
projectKey	<i>String</i>	project key
folderId	<i>integer</i>	internal folder Id



Request example

```
curl -H "Content-Type: application/json" -X GET -u admin:admin http://yourserver/rest/raven/1.0/api/testrepository/FP/folders/6
```

Responses

200 OK : **application/json** : Successful. Returns a JSON object.

Output example

```
{
  "id": 6,
  "rank": 1,
  "name": "Folder1",
  "testRepositoryPath": "/Folder1"
  "testCount": 0,
  "totalTestCount": 0
}
```

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL_SERVER_ERROR : **text/plain** : An internal error occurred getting the folder.

Creates a folder and returns a JSON object with folder information.

Request

PATH PARAMETERS

parameter	type	description
projectKey	<i>String</i>	project key
folderId	<i>integer</i>	internal folder Id; "-1" corresponds to the root folder of the Test Repository

JSON body attributes

parameter	type	description
name	<i>String</i>	name of folder

Example

Input example

```
{
  "name": "Folder1"
}
```



Request example

```
curl -H "Content-Type: application/json" -X POST -u admin:admin --data @example.json http://yourserver/rest/raven/1.0/api/testrepository/FP/folders/-1
```

Responses

201 CREATED : **application/json** : Successful. Returns a JSON object.

Output example

```
{
  "id": 6,
  "rank": 1,
  "name": "Folder1",
  "testRepositoryPath": "/Folder1"
  "testCount": 0,
  "totalTestCount": 0
}
```

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray for JIRA license is not valid.

500 INTERNAL_SERVER_ERROR : **text/plain** : An internal error occurred getting the folder.

Updates an existing folder.

Request

PATH PARAMETERS

parameter	type	description
projectKey	<i>String</i>	project key
folderId	<i>integer</i>	internal folder Id

JSON body attributes

parameter	type	description
name	<i>String</i>	name of folder
rank	<i>Integer</i>	rank within the parent folder

Example

Example Input

```
{
  "name": "Folder1",
  "rank": 4
}
```



Request example

```
curl -H "Content-Type: application/json" -X PUT -u admin:admin --data @example.json http://yourserver/rest/raven/1.0/api/testrepository/FP/folders/6
```

Responses

204 NO CONTENT : **text/plain** : Successful. Does not return anything.

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL SERVER ERROR : **text/plain** : An internal error occurred getting the folder.

Remove folder from the Test Repository.

Request

PATH PARAMETERS

parameter	type	description
projectKey	<i>String</i>	project key
folderId	<i>integer</i>	internal folder Id



Example Request

```
curl -H "Content-Type: application/json" -X DELETE -u admin:admin http://yourserver/rest/raven/1.0/api/testrepository/FP/folders/6
```

Responses

204 NO CONTENT : **text/plain** : Successful.

400 BAD_REQUEST : **text/plain** : Returns the error.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL_SERVER_ERROR : **text/plain** : An internal error occurred removing the test.