Artifactory REST API V2

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Overview

The following V2 REST APIs apply for Artifactory version 6.6.0 and above. They are extensions for existing REST APIs, with additional functionalities.

BUILDS

Get Permission Targets

Description: Get the permission targets list for repository and build permission targets.
Since: 6.6.0
Notes: Requires Artifactory Pro. This REST API is also available for Artifactory versions below 6.6.
Security: Requires an admin user or a user with Manage permission on permission target
Usage: GET /api/v2/security/permissions
Produces: application/vnd.org.jfrog.artifactory.security.PermissionTargetV2+json
Sample Output:

```
GET /api/v2/security/permissions
[
  {
    "name": "readSourceArtifacts"
    "uri" : "http://localhost:8081/artifactory/api/v2/security/permissions/readSourceArtifacts"
  }, {
    "name": "populateCaches"
    "uri" : "http://localhost:8081/artifactory/api/v2/security/permissions/populateCaches"
  }
]
```

Get Permission Target Details

Description: Get the details of an Artifactory Permission Target
Since: 6.6.0
Notes: Requires Artifactory Pro. This REST API is also available for Artifactory versions below 6.6.
Security: Requires an admin user or a user with Manage permission on permission target
Usage: GET /api/v2/security/permissions/{permissionTargetName}
Produces: application/vnd.org.jfrog.artifactory.security.PermissionTargetV2+json
Sample Output:

```
GET /api/v2/security/permissions/populateCaches
{
permission-target.json
}
```

Permission Target existence check

Description: Get the existence details of an Artifactory Permission Target
Since: 6.6.0
Notes: Requires Artifactory Pro.
Security: Requires an admin user or a user with Manage permission on permission target
Usage: HEAD /api/v2/security/permissions/{permissionTargetName}
Produces: `200 OK` in case it exists, `404 NOT FOUND` in case it doesn't, with an empty response.
Sample Output:

```
HEAD /api/v2/security/permissions/populateCaches

200 OK
or
404 NOT FOUND
```

Create Permission Target

Description: Creates a new permission target in Artifactory or replaces an existing permission target
Since: 6.6.0
Notes: Requires Artifactory Pro
Missing values will be set to the default values as defined by the consumed type.
Security: Requires an admin user
Usage: POST /api/v2/security/permissions/{permissionTargetName} -H "Content-Type: application/json"
Consumes: application/vnd.org.jfrog.artifactory.security.PermissionTargetV2+json
Produces: `201` CREATED in case of success, with an empty response.
Sample Usage:

```
POST /api/v2/security/permissions/populateCaches -H "Content-Type: application/json"
{
permission-target.json
}

201 CREATED
```

Update Permission Target

Description: Creates a new permission target in Artifactory or replaces an existing permission target
Since: 6.6.0
Notes: Requires Artifactory Pro
Missing permission target **values** will be set to the default values as defined by the consumed type.
The values defined in the request payload will replace what currently exists in the permission target entity. In case the request is missing one of the permission target **entities** (*repo/build*), the entity will be deleted. This means that if an update request is sent to an entity that contains both repo and build, with only repo, the build values will be removed from the entity.
Security: Requires an admin user or a user with *Manage* permission on permission target.
User with a *Manage* permission can only edit the *actions*.
Usage: PUT /api/v2/security/permissions/{permissionTargetName}
Consumes: application/vnd.org.jfrog.artifactory.security.PermissionTargetV2+json
Produces: `200` OK in case of success, with an empty response.
Sample Usage:

```
PUT /api/v2/security/permissions/populateCaches
{
permission-target.json
}

200 OK
```

Get Permission Targets Per User

Description: Get the permission targets list for repository and build permission targets for a specific user.
Since: 6.9.0
Notes: Requires Artifactory Pro.
Security: Requires an admin user or a user with Manage permission on permission target
Usage: GET /api/v2/security/permissions/users/<user_name>
Sample Output:

```
[{
   "name": "permission-target-name",
   "repo": {
      "include-patterns": ["**"],
      "exclude-patterns": [""],
      "repositories": ["local-rep1", "local-rep2", "remote-rep1", "virtual-rep2"],
      "actions": ["read","write","manage"]
    }
    "build": {
      "include-patterns": [""],
      "exclude-patterns": [""],
      "repositories": ["artifactory-build-info"],
      "actions": ["read","manage"]
    }
},
{...},
{...}]
```

Get Permission Targets Per Group

Description: Get the permission targets list for the repository and build permission targets for a specific group.
Since: 6.9.0
Notes: Requires Artifactory Pro.
Security: Requires an admin user or a user with Manage permission on permission target
Usage: GET /api/v2/security/permissions/groups/<group_name>
Sample Output:

```
[{
   "name": "permission-target-name",
   "repo": {
      "include-patterns": ["**"],
      "exclude-patterns": [""],
      "repositories": ["local-rep1", "local-rep2", "remote-rep1", "virtual-rep2"],
      "actions": ["read","write","manage"]
    }
    "build": {
      "include-patterns": [""],
      "exclude-patterns": [""],
      "repositories": ["artifactory-build-info"],
      "actions": ["read","manage"]
    }
},
{...},
{...}]
```

Delete Permission Target

Description: Deletes an Artifactory permission target.
Since: 6.6.0
Notes: Requires Artifactory Pro
Security: Requires an admin user
Usage: DELETE /api/v2/security/permissions/{permissionTargetName}
Produces: `200` OK in case of success, with an empty response.
Sample usage:

```
DELETE /api/v2/security/permissions/populateCaches

200 OK
```