

RESTful HTTP API - Export and Import

- **GET fcr:export** Retrieve serialized form of a resource. By default, no subtree and binary content will be exported
- **POST fcr:import** Import a serialized resource

Request URI: **/path/to/some/resource/fcr:export**

Methods: GET, POST

Exporting large trees of resources may fail because of memory limitations. Exporting 250,000 simple objects (only the system-defined properties) was successful and resulted in a 400MB export file, but exporting larger sets of resources failed. To work around this limitation, you can segment your repository (for example, into several top-level directories each containing 250,000 or fewer resources) and export each top-level directory as a separate export file.

Objects are exported and imported relative to the request URI path given. By default, the exported jcr/xml won't contain any subtrees and binary contents.

 E.g., if you run:

```
curl "http://localhost:8080/rest/path/to/resource/fcr:export" > export.xml
curl -X POST --data-binary "@export.xml" "http://localhost:8080/rest/somewhere/else"
```

The resource with no subtree and binary content will be imported to `http://localhost:8080/rest/somewhere/else/resource`.

GET

fcr:export Retrieve serialized form of a resource. By default, no subtree and binary content will be exported

Request Headers:

FORMAT

Export formats; the exact formats available depend on the repository configuration.

Parameters:

recurse: To export subtree with its value set to true. For example, `recurse=true`. Default is false.

skipBinary: To export binary content with its value set to false. For example, `skipBinary=false`. Default is true.

The export formats that are available are shown as properties on resources, e.g. this resource exports jcr/xml:

 `<> <http://fedora.info/definitions/v4/rest-api#exportsAs> <./fcr:export?format=jcr/xml> ;`

Example:

To export a resource with no subtree and no binary content:

```
curl "http://localhost:8080/rest/path/to/some/resource/fcr:export"
```

To export a resource with subtree and binary content:

```
curl "http://localhost:8080/rest/path/to/some/resource/fcr:export?recurse=true&skipBinary=false"
```

Response:

Status: 200

Headers:

Content-Type: application/xml

Body:

```
<sv:node xmlns:dc="http://purl.org/dc/terms/" xmlns:nt="http://www.jcp.org/jcr/nt/1.0" xmlns:ns001="http://purl.org/dc/elements/1.1/" xmlns:foaf="http://xmlns.com/foaf/0.1/" xmlns:test="info:fedora/test/" xmlns:image="http://www.modeshape.org/images/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:fedorarelsext="http://fedora.info/definitions/v4/rels-ext#" xmlns:mix="http://www...
```

Status:

200

OK: if the resource is exported successfully

404

Not Found: if the resource does not exist

POST

fcr:import Import a serialized resource

Request Headers:

FORMAT

Import formats. The exact formats available depend on the repository configuration.

CONTENT-LOCATION

(Optional) A URI to a resource to use instead of the request body

Example:

```
curl -X POST --data-binary "@export.xml" "http://localhost:8080/rest/path/to/some/fcr:import?format=jcr/xml"
```

Body:

```
<sv:node xmlns:dc="http://purl.org/dc/terms/" xmlns:nt="http://www.jcp.org/jcr/nt/1.0" xmlns:ns001="http://purl.org/dc/elements/1.1/" xmlns:foaf="http://xmlns.com/foaf/0.1/" xmlns:test="info:fedora/test/" xmlns:image="http://www.modeshape.org/images/1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:fedorarelsext="http://fedora.info/definitions/v4/rels-ext#" xmlns:mix="http://www...
```

Response:

Status: 201 Created

Headers:

Location: http://localhost:8080/rest/path/to/some/resource/

Status:

201

No Content: if the resource is imported successfully

404

Not Found: if the path does not exist

409

Conflict: if a node with the same UUID exists

Response:

Item already exists