

RESTful HTTP API - Versioning

- GET Get a list of the available versions of an object
- GET Get a previous version of an object
- POST Create a new version of an object
- DELETE Remove a previous version of an object

Request URI: `/path/to/some/resource/fcr:versions`

Methods: GET, POST, PATCH

GET

Get a list of the available versions of an object

Request Headers:

ACCEPT

application/ld+json, application/n-triples, application/rdf+xml, application/x-turtle, application/xhtml+xml, application/xml, text/html, text/n3, text/plain, text/rdf+n3, text/turtle

Example:

```
curl -H "Accept: text/turtle" http://localhost:8080/rest/path/to/resource/fcr:versions
```

Response:

Status: 200 OK

Headers:

Content-Type: text/turtle

Body:

```
<http://localhost:8080/rest/path/to/resource> fedora:hasVersion <http://localhost:8080/rest/path/to/resource/fcr:versions/87a0a8c317f1e749515d33-cb73-4fd7-9d1d-c715eb6947e0> .  
<http://localhost:8080/rest/path/to/resource/fcr:versions/87a0a8c317f1e749515d33-cb73-4fd7-9d1d-c715eb6947e0>  
fedora:hasVersionLabel "v0"^^<http://www.w3.org/2001/XMLSchema#string> ;  
    fedora:created "2014-12-03T23:55:38.47Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> .  
  
<http://localhost:8080/rest/path/to/resource> fedora:hasVersion <http://localhost:8080/rest/path/to/resource/fcr:versions/87a0a8c317f1e7dae533ec-b1b6-4da1-8bb9-f1964e253572> .  
<http://localhost:8080/rest/path/to/resource/fcr:versions/87a0a8c317f1e7dae533ec-b1b6-4da1-8bb9-f1964e253572>  
fedora:hasVersionLabel "v1"^^<http://www.w3.org/2001/XMLSchema#string> ;  
    fedora:created "2014-12-03T23:56:12.863Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> .
```

Status:

200

OK

404

Not Found: This resource is not versioned or this resource is not exist.

Response: The requested resource is not available.

GET

Get a previous version of an object

Request Headers:

ACCEPT

application/ld+json, application/n-triples, application/rdf+xml, application/x-turtle, application/xhtml+xml, application/xml, text/html, text/n3, text/plain, text/rdf+n3, text/turtle

Example:

```
curl http://localhost:8080/rest/resource/fcr:versions/<version-label>
```

Response:

Status: 200 OK

Response Headers:

ETag: "39f0d8a01a066771e56f70be892a39a7b505843c"

Last-Modified: Tue, 20 May 2014 19:29:10 GMT

Content-Type: text/turtle

Body:

```
<http://localhost:8080/rest/resource/fcr:versions/87a0a8c317f1e72c658170-624d-40f9-96cb-21ede3392155>
<http://fedora.info/definitions/v4/repository#primaryType> "nt:frozenNode"^^<http://www.w3.org/2001
/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#frozenPrimaryType> "nt:folder"^^<http://www.w3.org/2001
/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#created> "2014-05-20T19:29:00.192Z"^^<http://www.w3.org/2001
/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#frozenMixinTypes> "fedora:resource"^^<http://www.w3.org/2001
/XMLSchema#string> , "mix:versionable"^^<http://www.w3.org/2001/XMLSchema#string> , "fedora:object"
^^<http://www.w3.org/2001/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#lastModified> "2014-05-20T19:29:10.555Z"^^<http://www.w3.org
/2001/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#frozenUuid> "fed529c6-2121-4b1d-83fc-cc4274563612"
^^<http://www.w3.org/2001/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#lastModifiedBy> "bypassAdmin"^^<http://www.w3.org/2001
/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#uuid> "87a0a8c317f1e72c658170-624d-40f9-96cb-21ede3392155"
^^<http://www.w3.org/2001/XMLSchema#string> ;
  <http://fedora.info/definitions/v4/repository#createdBy> "bypassAdmin"^^<http://www.w3.org/2001
/XMLSchema#string> ;
  a <http://www.jcp.org/jcr/nt/1.0frozenNode> , <http://www.jcp.org/jcr/nt/1.0base> , <http://www.jcp.org/jcr
/mix/1.0referenceable> .
```

Status:

200

OK

404

Not Found: if the version or the resource does not exist

Response: The requested resource is not available.

POST

Create a new version of an object**Request Headers**

SLUG

(Required) A suggested name for the new child resource, which the repository may ignore.

Example:

```
curl -X POST -H "Slug: newVersionName" http://localhost:8080/rest/path/to/resource/fcr:versions
```

Response:

Status: 204 No Content

Status:

204

No Content: if a new version is created successfully

404

Not Found: if the resource does not exist

409

Conflict: if the version label is already in use for another version of this resource

Response: The requested resource is not available.

PATCH

Revert to a previous version of an object

Example:

```
curl -X PATCH http://localhost:8080/rest/path/to/resource/fcr:versions/existingVersionName
```

For previous versions for which explicit names were not provided, you may use the UUID property which you can find by parsing the response from the listing of available versions.

Response:

Status: 204 No Content

Status:

204

No Content: if the version is reverted successfully

404

Not Found: if the version does not exist

Response: The requested resource is not available.

Request URI: **/path/to/some/resource/fcr:versions/versionName**

Methods: DELETE

DELETE

Remove a previous version of an object

Example:

```
curl -X DELETE http://localhost:8080/rest/path/to/resource/fcr:versions/versionName
```

Response:

Status: 204 No Content

Trying to delete the current version of a resource will result in an error. To revert to an old version of a resource, first revert to the old version using the PATCH method, and then delete the newer version.

Status:

204

No Content: if the version is reverted successfully

400

Bad Request: if trying to delete the most recent version

Response: Cannot remove current version

404

Not Found: if the version does not exist

Response: The requested resource is not available.