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
- PATCH Revert to a previous 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: 201 Created
```

Status:

201 Created: 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 rexource

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
```

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.