

# RESTful HTTP API - Containers

- GET Retrieve the content of the resource
- POST Create new resources within a LDP container
- PUT Create a resource with a specified path, or replace the binary content or triples associated with a resource with the binary content or triples provided in the request body.
- PATCH Modify the triples associated with a resource with SPARQL-Update
- DELETE Delete a resource
- HEAD Retrieve the resource headers
- OPTIONS Outputs information about the supported HTTP methods, etc.

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

Methods: GET, POST, PUT, PATCH, HEAD, OPTIONS, DELETE

GET

**Retrieve the content of the resource**

**Request Headers:**

RANGE

Byte range of content to retrieve, of the form: "Range: bytes=500-999"

ACCEPT

RDF sources support content negotiation with these formats: application/ld+json, application/n-triples, application/rdf+xml, application/x-turtle, text/html, text/n3, text/plain, text/rdf+n3, text/turtle

Note: JSON-LD profiles can be requested by using the following `Accept` headers:

Accept: application/ld+json; profile="http://www.w3.org/ns/json-ld#expanded" - *default*

Accept: application/ld+json; profile="http://www.w3.org/ns/json-ld#compacted"

Accept: application/ld+json; profile="http://www.w3.org/ns/json-ld#flattened"

LIMIT

Number of child resources to list. If paired with Accept: (X)HTML, the default is 100. Otherwise, the default is -1 (all children are listed)

IF-NONE-MATCH

IF-MODIFIED-SINCE

PREFER

return=representation

return=representation; include=" *URIs* "

return=representation; omit=" *URIs* "

where representation indicates that links to other resources and their properties should also be included. *URIs* is a space-separate list of LDP defined preferences, and also:

URI	Description
http://fedora.info/definitions/fcrepo#PreferInboundReferences	Include assertions from other Fedora resources to this node (excluded from representation by default)
http://fedora.info/definitions/fcrepo#ServerManaged	Embed server managed properties in the representation (enabled by default)
http://www.w3.org/ns/oa#PreferContainedDescriptions	Embed "child" resources in the returned representation
http://www.w3.org/ns/ldp#PreferContainment	Include/Exclude "ldp:contains" assertions to contained resources (enabled by default)
http://www.w3.org/ns/ldp#PreferMembership	Include/Exclude assertions to member resources established by the Direct and Indirect containers (enabled by default)
http://www.w3.org/ns/ldp#PreferMinimalContainer	Include/Exclude triples that would be present when the container is empty (enabled by default)

**Example (1): Turtle**

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

## Response:

```
Status: 200 OK

Headers:

ETag: W/"51FA3512608877FD9197C8701F986014"
X-State-Token: 0366B7A7332BADF807F473D5579CD1E5
Last-Modified: Thu, 04 Mar 2021 14:23:46 GMT
Link: <http://localhost:8080/rest/path/to/resource>; rel="timegate"
Link: <http://localhost:8080/rest/path/to/resource>; rel="original"
Link: <http://localhost:8080/rest/path/to/resource/fcr:versions>; rel="timemap"
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"
Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"
Accept-External-Content-Handling: copy,redirect,proxy
Accept-Patch: application/sparql-update
Accept-Post: text/turtle,text/rdf+n3,text/n3,application/rdf+xml,application/n-triples,application/ld+json
Allow: DELETE,POST,HEAD,GET,PUT,PATCH,OPTIONS
Link: <http://localhost:8080/rest/path/to/resource/fcr:acl>; rel="acl"
Preference-Applied: return=representation
Vary: Prefer
Vary: Accept
Vary: Range
Vary: Accept-Encoding
Vary: Accept-Language
Vary: Accept-Datetime
Content-Type: text/turtle;charset=utf-8
Content-Length: 822

Body:

@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix fedora: <http://fedora.info/definitions/v4/repository#> .
@prefix ldp:    <http://www.w3.org/ns/ldp#> .

<http://localhost:8080/rest/path/to/resource>
    fedora:created      "2021-03-04T14:23:46.625848Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;
    fedora:lastModified "2021-03-04T14:23:46.625848Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;
    fedora:createdBy    "fedoraAdmin" ;
    fedora:lastModifiedBy "fedoraAdmin" ;
    rdf:type            ldp:BasicContainer ;
    rdf:type            ldp:Resource ;
    rdf:type            fedora:Resource ;
    rdf:type            ldp:RDFSSource ;
    rdf:type            ldp:Container ;
    rdf:type            fedora:Container .
```

## Example (2): RDF/XML

```
curl -H "Accept: application/rdf+xml" "http://localhost:8080/rest/path/to/resource"
```

## Response:

Status: 200 OK

Headers:

ETag: W/"2295E7A75138993E8EB9A961F053FAC7"  
X-State-Token: 0366B7A7332BADF807F473D5579CD1E5  
Last-Modified: Thu, 04 Mar 2021 14:23:46 GMT  
Link: <http://localhost:8080/rest/path/to/resource>; rel="timegate"  
Link: <http://localhost:8080/rest/path/to/resource>; rel="original"  
Link: <http://localhost:8080/rest/path/to/resource/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Accept-External-Content-Handling: copy,redirect,proxy  
Accept-Patch: application/sparql-update  
Accept-Post: text/turtle,text/rdf+n3,text/n3,application/rdf+xml,application/n-triples,application/ld+json  
Allow: DELETE,POST,HEAD,GET,PUT,PATCH,OPTIONS  
Link: <http://localhost:8080/rest/path/to/resource/fcr:acl>; rel="acl"  
Preference-Applied: return=representation  
Vary: Prefer  
Vary: Accept  
Vary: Range  
Vary: Accept-Encoding  
Vary: Accept-Language  
Vary: Accept-Datetime  
Content-Type: application/rdf+xml  
Content-Length: 1096

Body:

```
<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:fedora="http://fedora.info/definitions/v4/repository#"
  xmlns:ldp="http://www.w3.org/ns/ldp#" >

  <rdf:Description rdf:about="http://localhost:8080/rest/path/to/resource">
    <rdf:type rdf:resource="http://fedora.info/definitions/v4/repository#Container"/>
    <fedora:createdBy>fedoraAdmin</fedora:createdBy>
    <fedora:created rdf:datatype="http://www.w3.org/2001/XMLSchema#dateTime">2021-03-04T14:23:46.625848Z<
/fedora:created>
    <fedora:lastModifiedBy>fedoraAdmin</fedora:lastModifiedBy>
    <rdf:type rdf:resource="http://www.w3.org/ns/ldp#BasicContainer"/>
    <rdf:type rdf:resource="http://www.w3.org/ns/ldp#Resource"/>
    <rdf:type rdf:resource="http://fedora.info/definitions/v4/repository#Resource"/>
    <fedora:lastModified rdf:datatype="http://www.w3.org/2001/XMLSchema#dateTime">2021-03-04T14:23:46.625848Z<
/fedora:lastModified>
    <rdf:type rdf:resource="http://www.w3.org/ns/ldp#Container"/>
    <rdf:type rdf:resource="http://www.w3.org/ns/ldp#RDFSSource"/>
  </rdf:Description>

</rdf:RDF>
```

### Example (3): Prefer headers

```
curl -i -u fedoraAdmin:fedoraAdmin http://localhost:8080/rest/collection -H 'Prefer: return=representation;
include="http://fedora.info/definitions/fcrepo#PreferInboundReferences"; omit="http://www.w3.org/ns
/ldp#PreferMembership
http://www.w3.org/ns/ldp#PreferContainment" '
```

### Response:

Status: 200 OK

Headers:

ETag: W/"16E9753D375AB3E9306140DA1AD24193"  
X-State-Token: EE5D77CFC717FF045DB3F9821AB25472  
Last-Modified: Thu, 04 Mar 2021 14:28:00 GMT  
Link: <http://localhost:8080/rest/collection>; rel="timegate"  
Link: <http://localhost:8080/rest/collection>; rel="original"  
Link: <http://localhost:8080/rest/collection/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Accept-External-Content-Handling: copy,redirect,proxy  
Accept-Patch: application/sparql-update  
Accept-Post: text/turtle,text/rdf+n3,text/n3,application/rdf+xml,application/n-triples,application/ld+json  
Allow: DELETE,POST,HEAD,GET,PUT,PATCH,OPTIONS  
Link: <http://localhost:8080/rest/collection/fcr:acl>; rel="acl"  
Preference-Applied: return=representation; include="http://fedora.info/definitions/fcrepo#PreferInboundReferences"; omit="http://www.w3.org/ns/ldp#PreferMembership http://www.w3.org/ns/ldp#PreferContainment"  
Vary: Prefer  
Vary: Accept  
Vary: Range  
Vary: Accept-Encoding  
Vary: Accept-Language  
Vary: Accept-Datetime  
Content-Type: text/turtle;charset=utf-8  
Content-Length: 927

Body:

@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .  
@prefix fedora: <http://fedora.info/definitions/v4/repository#> .  
@prefix ldp: <http://www.w3.org/ns/ldp#> .  
  
<http://localhost:8080/rest/collection>  
    fedora:created          "2021-03-04T14:28:00.682730Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;  
    fedora:lastModified    "2021-03-04T14:28:00.682730Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;  
    fedora:createdBy      "fedoraAdmin" ;  
    fedora:lastModifiedBy  "fedoraAdmin" ;  
    rdf:type              ldp:BasicContainer ;  
    rdf:type              ldp:Resource ;  
    rdf:type              fedora:Resource ;  
    rdf:type              ldp:RDFSSource ;  
    rdf:type              ldp:Container ;  
    rdf:type              fedora:Container .  
  
<http://localhost:8080/rest/item>  
    ldp:isMemberOfCollection <http://localhost:8080/rest/collection> .

#### Example (4): Non-RDF Source

```
curl "http://localhost:8080/rest/path/to/binary/resource"
```

#### Response:

Status: 200 OK

Headers:

ETag: "0DFF05D21B40AF6576241DB58A91A7E3"  
X-State-Token: 0DFF05D21B40AF6576241DB58A91A7E3  
Last-Modified: Thu, 04 Mar 2021 14:32:03 GMT  
Content-Type: text/plain  
Accept-Ranges: bytes  
Content-Disposition: attachment; filename=""; creation-date="Thu, 04 Mar 2021 14:32:03 GMT"; modification-date="Thu, 04 Mar 2021 14:32:03 GMT"; size=20  
Link: <http://localhost:8080/rest/path/to/binary/resource/fcr:metadata>; rel="describedby"  
Link: <http://localhost:8080/rest/path/to/binary/resource>; rel="timegate"  
Link: <http://localhost:8080/rest/path/to/binary/resource>; rel="original"  
Link: <http://localhost:8080/rest/path/to/binary/resource/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSsource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Accept-External-Content-Handling: copy,redirect,proxy  
Allow: DELETE,HEAD,GET,PUT,OPTIONS  
Link: <http://localhost:8080/rest/path/to/binary/resource/fcr:acl>; rel="acl"  
Cache-Control: no-transform, must-revalidate, max-age=0  
Content-Length: 20

Body:

{binary content}

Status:

200

OK

304

Not Modified

404

Not Found

406

Not Acceptable (the 'Accept' request-header media type is either invalid or unsupported)

POST

## Create new resources within a LDP container

Request Headers:

CONTENT-DISPOSITION

(Optional) The filename provided in the content disposition header will be stored in a `ebucore:filename` property. (See ['Example \(6\): Uploaded file with filename'](#))

CONTENT-TYPE

(Optional) MIME type of the uploaded binary or RDF content (See ['Example \(2\): Create a new child binary resource with empty content'](#))

If the MIME type corresponds to a supported *RDF format*, the uploaded content will be parsed as RDF and used to populate the child node properties.



RDF will be interpreted using the current resource as the base URI (e.g. `<>` will be expanded to the current URI). Namespaces must be declared in full.

If the MIME type corresponds to a supported *RDF format*, and you also provide a `Link: <http://www.w3.org/ns/ldp#NonRDFSsource>; rel="type"` header. Then the contents will be stored as a binary resource with the provided MIME type as Content-type.

For other MIME types, the uploaded content will be used to create a binary resource.

**Supported RDF formats:** text/turtle, text/rdf+n3, application/n3, text/n3, application/rdf+xml, application/n-triples, application/ld+json

SLUG

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

The slug you provide does not guarantee the location of the created resource. Clients must check the Location header for the path to the created resource.

**DIGEST**

(Optional) A way of providing one or more checksums (SHA-1, SHA-256, MD5) which will be checked against the uploaded content to ensure error-free transfer. The header is interpreted according to [RFC-3230](#) (see '[Example \(4\): Uploaded file with checksum](#)', '[Example \(4b\): Uploaded file with multiple checksum](#)' and '[Example \(5\): Uploaded file with checksum mismatch](#)'). If the provided checksum does not match the calculated value for the uploaded file a 409 Conflict will be returned. See [PATCH example](#) for documentation on how to change the default algorithm used during on-demand fixity checking. Valid 'Digest' algorithms/values are: sha, sha-256, sha-512, sha-512/256 or md5.

**LINK**

With a value containing subfield `rel=` <http://fedora.info/definitions/fcrepo#ExternalContent> the client may provide binary content from an external path. See the [external content documentation](#) for details about syntax and handling options (note, this is disabled by default), and [Example 7](#) for usage. With a `rel="type"` and a URI of <http://fedora.info/definitions/v4/repository#ArchivalGroup> the client may create an Archival Group container. See the [Fedora OCFL Object Structure](#) for more information about how this affects the OCFL structure and see [Example 2b](#)

**Example (1a): Create a new child node**

```
curl -X POST "http://localhost:8080/rest/"
```

**Response:**

Status: 201 Created

**Headers:**

ETag: W/"0AA840C9923E2DCAE850E70E56575771"  
 X-State-Token: 56AEFC5E47294A2D336BDC23727BEC2A  
 Last-Modified: Thu, 04 Mar 2021 14:34:00 GMT  
 Link: <http://localhost:8080/rest/64b9d374-5e20-4b06-964a-d4724528d1e2>; rel="timegate"  
 Link: <http://localhost:8080/rest/64b9d374-5e20-4b06-964a-d4724528d1e2>; rel="original"  
 Link: <http://localhost:8080/rest/64b9d374-5e20-4b06-964a-d4724528d1e2/fcr:versions>; rel="timemap"  
 Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
 Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
 Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
 Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
 Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
 Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"  
 Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
 Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
 Link: <http://localhost:8080/rest/64b9d374-5e20-4b06-964a-d4724528d1e2/fcr:acl>; rel="acl"  
 Location: http://localhost:8080/rest/64b9d374-5e20-4b06-964a-d4724528d1e2

**Body:**

http://localhost:8080/rest/64b9d374-5e20-4b06-964a-d4724528d1e2

**Example (1b): Create a new Archival Group node**

See definition of [archival group](#).

```
curl -X POST -u fedoraAdmin:fedoraAdmin -H "Slug: my-archival-group" -H "Link: <http://fedora.info/definitions/v4/repository#ArchivalGroup>;rel=\"type\"" http://localhost:8080/rest
```

Status: 201 Created

Headers:

ETag: W/"2012C77920D7115A29671223FB5C78CC"  
X-State-Token: B39C9CC391FE7CEEA41F88F62189ED92  
Last-Modified: Thu, 04 Mar 2021 14:36:39 GMT  
Link: <http://localhost:8080/rest/my-archival-group>; rel="timegate"  
Link: <http://localhost:8080/rest/my-archival-group>; rel="original"  
Link: <http://localhost:8080/rest/my-archival-group/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#ArchivalGroup>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Link: <http://localhost:8080/rest/my-archival-group/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/my-archival-group  
Content-Type: text/plain  
Content-Length: 44

Body:

http://localhost:8080/rest/my-archival-group

Note any subsequent posts to the above created ArchivalGroup endpoint will cause those new resources to be nested within that Archival Group. For details on the structure and workings of Archival Groups see [Fedora OCFL Object Structure](#).

### Example (2): Create a new child binary resource with empty content

```
curl -i -X POST -H "Content-Type:text/plain" "http://localhost:8080/rest"
```

Response:

Status: 201 Created

Headers:

ETag: "842E0D598779799191CE1D8D79F8E812"  
X-State-Token: 842E0D598779799191CE1D8D79F8E812  
Last-Modified: Thu, 04 Mar 2021 14:38:38 GMT  
Link: <http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903/fcr:metadata>; rel="describedby"; anchor="http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903"  
Link: <http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903>; rel="timegate"  
Link: <http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903>; rel="original"  
Link: <http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Link: <http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903  
Content-Type: text/plain  
Content-Length: 63

Body:

http://localhost:8080/rest/40a0d656-1f70-4135-b6a8-ee956dfb1903

### Example (3): Create a new container with RDF properties

```
curl -i -u fedoraAdmin:fedoraAdmin -X POST -H "Content-Type: text/turtle" --data-binary "PREFIX dc:
<http://purl.org/dc/elements/1.1/> <> dc:title \"some-resource-title\" http://localhost:8080/rest/
```

#### Response:

Status: 201 Created

#### Headers:

ETag: W/"541702CF94C0D6BD8B2423DED7687BC1"  
X-State-Token: B9F8FBFA0B1D724160181298C299242C  
Last-Modified: Thu, 04 Mar 2021 14:42:02 GMT  
Link: <http://localhost:8080/rest/febddb7c-4526-4c0d-90dc-c83c11921586>; rel="timegate"  
Link: <http://localhost:8080/rest/febddb7c-4526-4c0d-90dc-c83c11921586>; rel="original"  
Link: <http://localhost:8080/rest/febddb7c-4526-4c0d-90dc-c83c11921586/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Link: <http://localhost:8080/rest/febddb7c-4526-4c0d-90dc-c83c11921586/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/febddb7c-4526-4c0d-90dc-c83c11921586  
Content-Type: text/plain  
Content-Length: 63

#### Body:

http://localhost:8080/rest/febddb7c-4526-4c0d-90dc-c83c11921586

### Example (4): Uploaded file with checksum

```
curl -i -u fedoraAdmin:fedoraAdmin -X POST --data-binary "@picture.jpg" -H"digest:
sha=cbl576f22e8e3e110611b616e3e2f5ce9bdb941" "http://localhost:8080/rest/parent"
```

#### Response:



Status: 201 Created

Headers:

ETag: "1F819784173CD233B8EA9691778E1BB0"  
X-State-Token: 1F819784173CD233B8EA9691778E1BB0  
Last-Modified: Thu, 04 Mar 2021 14:45:55 GMT  
Link: <http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b/fcr:metadata>; rel="describedby"; anchor="http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b"  
Link: <http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b>; rel="timegate"  
Link: <http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b>; rel="original"  
Link: <http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Link: <http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b  
Content-Type: text/plain  
Content-Length: 70

Body:

http://localhost:8080/rest/parent/e4b7add5-7860-4130-a6a6-42391e86248b

**Example (4b): Uploaded file with multiple checksum**

```
curl -i -u fedoraAdmin:fedoraAdmin -X POST --data-binary "@picture.jpg" -H"digest:  
sha=cbla576f22e8e3e110611b616e3e2f5ce9bdb941, sha-256=95331b60710d0400ee4913b5613c78f54" "http://localhost:8080  
/rest/parent"
```

**Response:**

Status: 201 Created

Headers:

ETag: "C19921567DCDD99C9E17A9151005824A"  
X-State-Token: C19921567DCDD99C9E17A9151005824A  
Last-Modified: Thu, 04 Mar 2021 14:48:10 GMT  
Link: <http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7/fcr:metadata>; rel="describedby"; anchor="http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7"  
Link: <http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7>; rel="timegate"  
Link: <http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7>; rel="original"  
Link: <http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Link: <http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7  
Content-Type: text/plain  
Content-Length: 70

Body:

http://localhost:8080/rest/parent/b9216b25-bc78-4417-9587-43dbefa8dbd7

**Example (5): Uploaded file with checksum mismatch**

```
curl -i -u fedoraAdmin:fedoraAdmin -X POST --data-binary "@picture.jpg" -H"digest: sha=checksumdoesntmatch"
"http://localhost:8080/rest/parent/object"
```

#### Response:

Status: 409 Conflict

Body:

Checksum mismatch, computed SHA digest 726956f62748a7976ddb58e0ff72ae3856a0af7a did not match expected value checksumdoesntmatch

#### Example (6): Uploaded file with filename

```
curl -i -u fedoraAdmin:fedoraAdmin -X POST --data-binary "@picture.jpg" -H "Content-Disposition: attachment;
filename=\"picture.jpg\" \"http://localhost:8080/rest/parent"
```

#### Response:

Status: 201 Created

Headers:

ETag: "8695FEA5692396C39D84333EADBC2C2"  
X-State-Token: 8695FEA5692396C39D84333EADBC2C2  
Last-Modified: Thu, 04 Mar 2021 14:50:55 GMT  
Link: <http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea/fcr:metadata>; rel="describedby";  
anchor="http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea"  
Link: <http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea>; rel="timegate"  
Link: <http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea>; rel="original"  
Link: <http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Link: <http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea  
Content-Type: text/plain  
Content-Length: 70

Body:

http://localhost:8080/rest/parent/ae434c08-f505-433b-b353-35e9021bd0ea

#### Example (7): Creating a new binary resource using proxied external content

```
curl -i -u fedoraAdmin:fedoraAdmin -X POST -H"Link: <http://example.org/path/to/picture.jpg>; rel=\"
http://fedora.info/definitions/fcrepo#ExternalContent\"; handling=\"proxy\"; type=\"image/jpg\" \"
"http://localhost:8080/rest/parent"
```

#### Response:

Status: 201 Created

Headers:

ETag: "E77D53C833121E2930A7F057B91A8C26"  
X-State-Token: E77D53C833121E2930A7F057B91A8C26  
Last-Modified: Thu, 04 Mar 2021 14:59:29 GMT  
Link: <http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21/fcr:metadata>; rel="describedby"; anchor="http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21"  
Link: <http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21>; rel="timegate"  
Link: <http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21>; rel="original"  
Link: <http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Content-Location: http://example.org/path/to/picture.jpg  
Link: <http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21  
Content-Type: text/plain  
Content-Length: 70

Body:

http://localhost:8080/rest/parent/42bebbb3-c0b7-425c-90c4-8584c399db21

## Status:

201

Created

404

Not Found (resource does not exist – use PUT to specify a new resource name)

409

Conflict (checksum mismatch)

PUT

**Create a resource with a specified path, or replace the binary content or triples associated with a resource with the binary content or triples provided in the request body.**

For RDFSource resources



Some resource properties are repository managed and cannot be removed or modified. Any attempt to do so may result in a 4xx error.

## Request Headers:

CONTENT-DISPOSITION

(Optional) The filename provided in the content disposition header will be stored in a ebucore:filename property. (See ['Example \(6\): Uploaded file with filename'](#) in POST above)

CONTENT-TYPE

(Optional) MIME type of the uploaded binary or RDF content

If the MIME type corresponds to a supported *RDF format*, the uploaded content will be parsed as RDF and used to populate the child node properties.

 RDF will be interpreted using the current resource as the base URI (e.g. <> will be expanded to the current URI). Namespaces must be declared in full.

If the MIME type corresponds to a supported *RDF format*, and you also provide a Link: <<http://www.w3.org/ns/ldp#NonRDFSource>>; rel="type" header. Then the contents will be stored as a binary resource with the provided MIME type as Content-type.

For other MIME types, the uploaded content will be used to create a binary resource.

**Supported RDF formats:** text/turtle, text/rdf+n3, application/n3, text/n3, application/rdf+xml, application/n-triples, application/ld+json

IF-MATCH

IF-UNMODIFIED-SINCE

X-IF-STATE-TOKEN Allows the client to specify a state token as defined in [section 3.10 of the Fedora API](#)

DIGEST

(Optional) A way of providing one or more checksums (SHA-1, SHA-256, MD5) which will be checked against the uploaded content to ensure error-free transfer. The header is interpreted according to [RFC-3230](#) (see '[Example \(3\): Creating new binary resource at a specified path](#)'). If the provided checksum does not match the calculated value for the uploaded file a 409 Conflict will be returned. See [Fixity Service](#) for documentation on how to change the default algorithm used during on-demand fixity checking. Valid 'Digest' algorithms/values are: sha, sha-256, sha-512, sha-512/256, or md5.

PREFER

With the value `handling=lenient` allows replacing the properties of a container without having to provide all of the server-managed triples.

LINK

With a value containing subfield `rel=http://fedora.info/definitions/fcrepo#ExternalContent` the client may provide binary content from an external path. See the [external content documentation](#) for details about syntax and handling options (note, this is disabled by default), and [Example 4](#) for usage. With a `rel="type"` and a URI of <http://fedora.info/definitions/v4/repository#ArchivalGroup> the client may create an Archival Group container. See the [Fedora OCFL Object Structure](#) for more information about how this affects the OCFL structure.

## Example (1): Updating properties with RDF content

### 1.1 Perform a GET to the current container's RDF content

```
curl -u fedoraAdmin:fedoraAdmin -X GET -H "Accept: text/turtle" "http://localhost:8080/rest/path/to/resource"
```

Response Body:

```
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix fedora: <http://fedora.info/definitions/v4/repository#> .
@prefix ldp:    <http://www.w3.org/ns/ldp#> .

<http://localhost:8080/rest/path/to/resource>
  fedora:created      "2021-03-04T14:23:46.625848Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;
  fedora:lastModified "2021-03-04T14:23:46.625848Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;
  fedora:createdBy    "fedoraAdmin" ;
  fedora:lastModifiedBy "fedoraAdmin" ;
  rdf:type            ldp:BasicContainer ;
  rdf:type            ldp:Resource ;
  rdf:type            fedora:Resource ;
  rdf:type            ldp:RDFSource ;
  rdf:type            ldp:Container ;
  rdf:type            fedora:Container .
```

### 1.2 Add your updates (e.g. < dc:title "some-resource-title" . ) under the full result of the GET response in 1.1 and PUT back

```
curl -u fedoraAdmin:fedoraAdmin -i -X PUT -H "Content-Type: text/turtle" -H"Prefer: handling=lenient" --data-binary "@new-triples.rdf" "http://localhost:8080/rest/path/to/resource"
```

**Request Body:**

```
@prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .
@prefix fedora: <http://fedora.info/definitions/v4/repository#> .
@prefix ldp:    <http://www.w3.org/ns/ldp#> .

<http://localhost:8080/rest/path/to/resource>
  <http://purl.org/dc/elements/1.1/title> "some-resource-title" ;
  fedora:created      "2021-03-04T14:23:46.625848Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;
  fedora:lastModified "2021-03-04T14:23:46.625848Z"^^<http://www.w3.org/2001/XMLSchema#dateTime> ;
  fedora:createdBy    "fedoraAdmin" ;
  fedora:lastModifiedBy "fedoraAdmin" ;
  rdf:type            ldp:BasicContainer ;
  rdf:type            ldp:Resource ;
  rdf:type            fedora:Resource ;
  rdf:type            ldp:RDFSSource ;
  rdf:type            ldp:Container ;
  rdf:type            fedora:Container .
```

**Response:**

Status: 204 No Content

**Headers:**

```
ETag: W/"8CE776D040FAAA4641C0E44706DA6747"
X-State-Token: 62D5EAC8EE143FAB049E2485BC1A4122
Last-Modified: Thu, 04 Mar 2021 15:09:20 GMT
Link: <http://localhost:8080/rest/path/to/resource>; rel="timegate"
Link: <http://localhost:8080/rest/path/to/resource>; rel="original"
Link: <http://localhost:8080/rest/path/to/resource/fcr:versions>; rel="timemap"
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"
Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"
Link: <http://localhost:8080/rest/path/to/resource/fcr:acl>; rel="acl"
```

**Note** the `handling=lenient` prefer header instructs the server to ignore any server managed triples in the request.

Without this prefer header the same request body would result in the following

```
curl -u fedoraAdmin:fedoraAdmin -i -X PUT -H "Content-Type: text/turtle" --data-binary "@new-triples.rdf"
"http://localhost:8080/rest/path/to/resource"
```

Status: 409 Conflict

Headers:

```
Content-Type: text/plain;charset=utf-8
Link: <http://localhost:8080/static/constraints/ServerManagedTypeException.rdf>; rel="http://www.w3.org/ns
/ldp#constrainedBy"
Link: <http://localhost:8080/static/constraints/ServerManagedPropertyException.rdf>; rel="http://www.w3.org/ns
/ldp#constrainedBy"
Content-Length: 1099
```

Body:

```
The server managed type (http://fedora.info/definitions/v4/repository#Container) cannot be modified by the
client.
The server managed predicate (http://fedora.info/definitions/v4/repository#createdBy) cannot be modified by the
client.
The server managed predicate (http://fedora.info/definitions/v4/repository#created) cannot be modified by the
client.
The server managed predicate (http://fedora.info/definitions/v4/repository#lastModifiedBy) cannot be modified
by the client.
The server managed type (http://www.w3.org/ns/ldp#BasicContainer) cannot be modified by the client.
The server managed type (http://www.w3.org/ns/ldp#Resource) cannot be modified by the client.
The server managed type (http://fedora.info/definitions/v4/repository#Resource) cannot be modified by the
client.
The server managed predicate (http://fedora.info/definitions/v4/repository#lastModified) cannot be modified by
the client.
The server managed type (http://www.w3.org/ns/ldp#Container) cannot be modified by the client.
The server managed type (http://www.w3.org/ns/ldp#RDFSsource) cannot be modified by the client.
```

Note that to prevent conflicts, the value of the `fedora:lastModified` triple in the request must match its current counterpart in the repository. The way to ensure this is to base the changes in a PUT request on the RDF content obtained in an immediately prior GET request, and never try to PUT consecutively, as this will result in a 400 error.

#### Example (2): Creating a new resource at a specified path

```
curl -i -X PUT "http://localhost:8080/rest/node/to/create"
```

**Response:**

Status: 201 Created

Response Headers:

ETag: W/"D386215480648929F3BFCA2854D9EF7E"  
X-State-Token: D0F20662F78E1C4D063E9512F9068785  
Last-Modified: Thu, 04 Mar 2021 15:15:35 GMT  
Link: <http://localhost:8080/rest/node/to/create>; rel="timegate"  
Link: <http://localhost:8080/rest/node/to/create>; rel="original"  
Link: <http://localhost:8080/rest/node/to/create/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Link: <http://localhost:8080/rest/node/to/create/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/node/to/create  
Content-Type: text/plain  
Content-Length: 41

Body:

http://localhost:8080/rest/node/to/create

**Example (3): Creating new binary resource at a specified path**

```
curl -X PUT --upload-file image.jpg -H"Content-Type: image/jpeg" -H"digest:  
sha=cbl576f22e8e3e110611b616e3e2f5ce9bdb941" "http://localhost:8080/rest/new/image"
```

**Response:**

Status: 201 Created

Headers:

ETag: "DA0CCC5486A2C7E2551AAA1E528799D0"  
X-State-Token: DA0CCC5486A2C7E2551AAA1E528799D0  
Last-Modified: Thu, 04 Mar 2021 15:16:56 GMT  
Link: <http://localhost:8080/rest/new/image/fcr:metadata>; rel="describedby"; anchor="http://localhost:8080/rest/new/image"  
Link: <http://localhost:8080/rest/new/image>; rel="timegate"  
Link: <http://localhost:8080/rest/new/image>; rel="original"  
Link: <http://localhost:8080/rest/new/image/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Link: <http://localhost:8080/rest/new/image/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/new/image  
Content-Type: text/plain  
Content-Length: 36

Body:

http://localhost:8080/rest/new/image

**Note** that once a resource is created as an RDF or non-RDF source, it must remain an RDF or non-RDF source. In order to change the type of resource, you must DELETE and then re-create the resource.

**Status:**

204

No Content

412

Precondition Failed

**Example (4): Creating a new binary resource at a specified path redirecting to external content**

```
curl -i -u fedoraAdmin:fedoraAdmin -X PUT -H"Link: <http://www.example.com/file>; rel=\"http://fedora.info/definitions/fcrepo#ExternalContent\"; handling=\"redirect\"; type=\"text/plain\" \"http://localhost:8080/rest/node/to/redirect"
```

**Response:**

Status: 201 Created

Headers:

ETag: "D3400C2CA6018C1DC996BFBB68A65BAF"  
X-State-Token: D3400C2CA6018C1DC996BFBB68A65BAF  
Last-Modified: Thu, 04 Mar 2021 15:19:28 GMT  
Link: <http://localhost:8080/rest/node/to/redirect/fcr:metadata>; rel="describedby"; anchor="http://localhost:8080/rest/node/to/redirect"  
Link: <http://localhost:8080/rest/node/to/redirect>; rel="timegate"  
Link: <http://localhost:8080/rest/node/to/redirect>; rel="original"  
Link: <http://localhost:8080/rest/node/to/redirect/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#NonRDFSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Binary>; rel="type"  
Content-Location: http://www.example.com/file  
Link: <http://localhost:8080/rest/node/to/redirect/fcr:acl>; rel="acl"  
Location: http://localhost:8080/rest/node/to/redirect  
Content-Type: text/plain  
Content-Length: 43

Body:

http://localhost:8080/rest/node/to/redirect

PATCH

**Modify the triples associated with a resource with SPARQL-Update**

**Request Headers:**

IF-MATCH

IF-UNMODIFIED-SINCE

CONTENT-TYPE

**Example (1):**



```
curl -X PATCH -H "Content-Type: application/sparql-update" --data-binary "@body.rdf" "http://localhost:8080/rest/node/to/update"
```

Request Body:

```
PREFIX dc: <http://purl.org/dc/elements/1.1/>
INSERT {
  <> dc:title "some-resource-title" .
}
WHERE { }
```

#### Response:

Status: 204 No Content

#### Example (2) Update default fixity algorithm of a binary's description:

```
curl -X PATCH -H "Content-Type: application/sparql-update" --data-binary "@body.rdf" "http://localhost:8080/rest/binary/resource/to/binary/fcr:metadata"
```

Request Body:

```
PREFIX fedoraconfig: <http://fedora.info/definitions/v4/config#>
INSERT {
  <> fedoraconfig:defaultDigestAlgorithm "sha-256"
}
WHERE { }
```

#### Response:

Status: 204 No Content

#### Status:

204 No Content

412 Precondition Failed

DELETE

#### Delete a resource

#### Example:

```
curl -X DELETE "http://localhost:8080/rest/resource/to/delete"
```

#### Response:

Status: 204 No Content

All child resources of a deleted resource will also be removed. Delete requests create "tombstone" resources which need to be removed before you can reuse a URI.

**Example:**

```
curl -X GET "http://localhost:8080/rest/some/deleted/resource"
```

Status: 410 Gone

Link: <http://localhost:8080/rest/some/deleted/resource/fcr:tombstone>; rel="hasTombstone"

Body:

Discovered tombstone resource at /some/deleted/resource, departed: 2016-11-14T17:26:17.334-06:00

```
curl -X DELETE "http://localhost:8080/rest/some/deleted/resource/fcr:tombstone"
```

Status: 204 No Content

Create a new node and reuse the deleted URL

```
curl -X PUT "http://localhost:8080/rest/some/deleted/resource"
```

Status: 201 Created

**Status:**

204

No Content

404

Not Found

HEAD

**Retrieve the resource headers****Example:**

```
curl -u fedoraAdmin:fedoraAdmin -i -X HEAD "http://localhost:8080/rest/resource/to/head"
```

**Response:**

Status: 200 OK

Headers:

ETag: W/"8CE776D040FAAA4641C0E44706DA6747"  
X-State-Token: 62D5EAC8EE143FAB049E2485BC1A4122  
Last-Modified: Thu, 04 Mar 2021 15:09:20 GMT  
Link: <http://localhost:8080/rest/path/to/resource>; rel="timegate"  
Link: <http://localhost:8080/rest/path/to/resource>; rel="original"  
Link: <http://localhost:8080/rest/path/to/resource/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Accept-External-Content-Handling: copy,redirect,proxy  
Accept-Patch: application/sparql-update  
Accept-Post: text/turtle,text/rdf+n3,text/n3,application/rdf+xml,application/n-triples,application/ld+json  
Allow: DELETE,POST,HEAD,GET,PUT,PATCH,OPTIONS  
Link: <http://localhost:8080/rest/path/to/resource/fcr:acl>; rel="acl"  
Preference-Applied: return=representation  
Vary: Prefer  
Vary: Accept  
Vary: Range  
Vary: Accept-Encoding  
Vary: Accept-Language  
Vary: Accept-Datetime  
Content-Type: text/turtle;charset=utf-8  
Content-Length: 0

Status:

200

OK

404

Not Found

OPTIONS

**Outputs information about the supported HTTP methods, etc.**

Example:

```
curl -i -X OPTIONS "http://localhost:8080/rest/node/to/options"
```

Response:

Status: 200 OK

Headers:

Link: <http://localhost:8080/rest/path/to/resource>; rel="timegate"  
Link: <http://localhost:8080/rest/path/to/resource>; rel="original"  
Link: <http://localhost:8080/rest/path/to/resource/fcr:versions>; rel="timemap"  
Link: <http://www.w3.org/ns/ldp#BasicContainer>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Resource>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Resource>; rel="type"  
Link: <http://mementoweb.org/ns#OriginalResource>; rel="type"  
Link: <http://mementoweb.org/ns#TimeGate>; rel="type"  
Link: <http://www.w3.org/ns/ldp#RDFSource>; rel="type"  
Link: <http://www.w3.org/ns/ldp#Container>; rel="type"  
Link: <http://fedora.info/definitions/v4/repository#Container>; rel="type"  
Accept-External-Content-Handling: copy,redirect,proxy  
Accept-Patch: application/sparql-update  
Accept-Post: text/turtle,text/rdf+n3,text/n3,application/rdf+xml,application/n-triples,application/ld+json  
Allow: DELETE,POST,HEAD,GET,PUT,PATCH,OPTIONS  
Content-Length: 0

Status:

200

OK

---