

# RESTful HTTP API - Fixity

- [GET Get the fixity report for an object](#)

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

Methods: GET

GET

## Get the fixity report for an object

Checking fixity requires retrieving the content from the binary store and may take some time.

### 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/some/resource/fcr:fixity"
```

### Response (fixity success):

Status: 200 OK

Headers:

Content-Type: text/turtle

Body:

```
<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> a <http://www.loc.gov/premis/rdf/v1#Fixity> .
```

```
<http://localhost:8080/rest/path/to/some/resource> <http://www.loc.gov/premis/rdf/v1#hasFixity>  
<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> .
```

```
<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> <http://www.loc.gov/premis/rdf/v1#hasContentLocation> <info://org.modeshape.jcr.value.binary.FileSystemBinaryStore@7bcc39fb/fcrepo4/fcrepo-webapp/fcrepo4-data/fcrepo.binary-store-path#f7d787ee7fc58ce7fc257ae0067a2c65476be750> .
```

```
<info://org.modeshape.jcr.value.binary.FileSystemBinaryStore@7bcc39fb/fcrepo4/fcrepo-webapp/fcrepo4-data/fcrepo.binary-store-path#f7d787ee7fc58ce7fc257ae0067a2c65476be750> a <http://www.loc.gov/premis/rdf/v1#ContentLocation> ;  
    <http://www.loc.gov/premis/rdf/v1#hasContentLocationValue> "info://org.modeshape.jcr.value.binary.FileSystemBinaryStore@7bcc39fb/fcrepo4/fcrepo-webapp/fcrepo4-data/fcrepo.binary-store-path#f7d787ee7fc58ce7fc257ae0067a2c65476be750"^^<http://www.w3.org/2001/XMLSchema#string> .
```

### Response (fixity failure):

Status: 200 OK  
Headers:  
Content-Type: text/turtle

Body:

```
<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> a <http://www.loc.gov/premis/rdf/v1#Fixity> .

<http://localhost:8080/rest/path/to/some/resource> <http://www.loc.gov/premis/rdf/v1#hasFixity>
<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> .

<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> <http://www.loc.gov/premis/rdf/v1#hasContentLocation> <info://org.modeshape.jcr.value.binary.FileSystemBinaryStore@7bcc39fb/fcrepo4/fcrepo-webapp/fcrepo4-data/fcrepo.binary-store-path#f7d787ee7fc58ce7fc257ae0067a2c65476be750> .

<http://localhost:8080/rest/path/to/some/resource#fixity/1400589459772> <http://fedora.info/definitions/v4/repository#status> "BAD_CHECKSUM"^^<http://www.w3.org/2001/XMLSchema#string> , "BAD_SIZE"^^<http://www.w3.org/2001/XMLSchema#string> ;
    <http://www.loc.gov/premis/rdf/v1#hasMessageDigest> <urn:sha1:b04bded0d83b74ac0c700945e24e43e823eb5821>
;
    <http://www.loc.gov/premis/rdf/v1#hasSize> "1324943"^^<http://www.w3.org/2001/XMLSchema#int> .
```

Status:

200

OK

404

Resource not found