RESTful HTTP API - Fixity

- GET Get the fixity report for an object
- Default Fixity Algorithm

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:

```
```

Response (fixity success):

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

```rdf
@prefix premis: <http://www.loc.gov/premis/rdf/v1#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .

<http://localhost:8080/rest/path/to/some/resource>
  premis:hasFixity  <http://localhost:8080/rest/path/to/some/resource#fixity/1494431303920> .

<http://localhost:8080/rest/path/to/some/resource#fixity/1494431303920>
  rdf:type premis:Fixity ;
  rdf:type premis:EventOutcomeDetail ;
  premis:hasEventOutcome "SUCCESS" ;
  premis:hasMessageDigestAlgorithm "SHA-1" ;
  premis:hasMessageDigest  <urn:sha1:ca3392593351ef8e6554bdabfbd0bdc1002ecb6f> ;
  premis:hasSize "1277811"^^<http://www.w3.org/2001/XMLSchema#long> .
```

Response (fixity failure):
Default Fixity Algorithm

When ingesting a binary resource, one or more checksums may be provided, see API reference (POST example 4b). The supported algorithms are: SHA-1, SHA-256 and MD5.

By default, the algorithm used by the Fixity service is SHA-1. However, that may be changed to one of the other supported algorithms by configuring the property: fedoraconfig:defaultDigestAlgorithm. See API reference (PATCH example 2).