

# Using cURL to manipulate the Repository

Requires Unix like terminal access.

Requires cURL

Below we assume you're running Fedora at <http://localhost:8080>, be sure to swap out the address with the correct value if you are not running Fedora locally. Here are some basic recipes:

## Describe the root Object of the Repository

```
curl -X GET http://localhost:8080/rest
```

Get the Response as "application/rdf+json" rather than the default "application/n3"

```
curl -H "Accept:application/rdf+json" -X GET http://localhost:8080/rest
```

You can get responses in the following format's:

- application/n3 (or text/rdf+n3 or text/n3)
- text/turtle
- application/n-triples
- application/rdf+xml
- application/rdf+json

## Create a new Object "test" as a child of the root Object

```
curl -X POST http://localhost:8080/rest/test?mixin=fedora:object
```

Now that Object "test" exists we can create a child of "test" using the same command:

```
curl -X POST http://localhost:8080/rest/test?mixin=fedora:object
```

## Ingest a Data-stream

```
echo "Test Datastream" > test_datastream.txt
curl -d @test_datastream.txt -X POST http://localhost:8080/rest/test/test_datastream?mixin=fedora:datastream
```

## Get a Data-streams content

```
curl -X GET http://localhost:8080/rest/test/test_datastream/fcr:content
```

## Purge a Data-stream

```
curl -X DELETE http://localhost:8080/rest/test/test_datastream
```

## Add a new property to the "test" Object

```
echo "PREFIX dc: <http://purl.org/dc/elements/1.1/> INSERT DATA { <http://localhost:8080/rest/test> dc:title  
'Test Title' }" > query.txt  
curl -d @query.txt -H "Content-Type: application/sparql-update" -X PATCH http://localhost:8080/rest/test/
```

Please refer to <https://wiki.duraspace.org/display/FF/REST+API> for more information on what can be done with the REST API and cURL.  
And checkout <https://wiki.duraspace.org/display/FF/Object+properties+and+SPARQL-UPDATE> for how to use the SPARQL update in greater detail.