

RESTful HTTP API - Transactions

- GET Get the current status of the repository in a transaction
- POST Create a new transaction
- POST Keep an existing transaction alive
- POST Save and commit an open transaction
- POST Rollback and close an open transaction

Request URI: `/fcr:tx; /tx:{transaction_id}/path/to/resource, /tx:{transaction_id}/fcr:tx, /tx:{transaction_id}/fcr:commit, /tx:{transaction_id}/fcr:rollback`

Methods: GET, POST

GET

Get the current status of the repository in a transaction

Example:

```
curl -i "http://localhost:8080/rest/tx:86dd0891-d975-42d8-8837-a24ad6041b59"
```

Response:

```
Status: 200 OK

Link: <http://localhost:8080/rest/>;rel="canonical"

Body:
Same as non-transaction response.
```

Status:

200 OK: If the request was successful

410 Gone: Transaction not found

POST

Create a new transaction

After retrieving a transaction resource, the client can execute any REST API method prefixed by the transaction location. Transactions are automatically closed and rolled back after 3 minutes of inactivity. Transactions can be refreshed by POSTing to `/rest/{tx:id}/fcr:tx`

Example:

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

Response:

```
Status: 201 Created

Headers:
Location: http://localhost:8080/rest/tx:83e34464-144e-43d9-af13-b3464a1fb9b5
Expires: Sat, 16 Nov 2013 00:32:57 GMT
```

Usage:

When a transaction has been created, it will return a Location header. Use this location as the base URL for performing REST API operations within the transaction. When you are done with the transaction, either append `/fcr:tx/fcr:commit` to commit the transaction to the repository or `/fcr:tx/fcr:rollback` to discard the changes.

```
curl -X POST "http://localhost:8080/rest/tx:83e34464-144e-43d9-af13-b3464a1fb9b5/path/to/object/to/create"
curl -X DELETE "http://localhost:8080/rest/tx:83e34464-144e-43d9-af13-b3464a1fb9b5/path/to/resource/to/delete"
curl -X POST "http://localhost:8080/rest/tx:83e34464-144e-43d9-af13-b3464a1fb9b5/fcr:tx/fcr:commit"
```

Status:**201**

Created: if the transaction is created successfully

POST**Keep an existing transaction alive****Example:**

```
curl -i -X POST "http://localhost:8080/rest/tx:83e34464-144e-43d9-af13-b3464a1fb9b5/fcr:tx"
```

Response:

Status: 204 No Content

Headers:

Location: http://localhost:8080/rest/tx:83e34464-144e-43d9-af13-b3464a1fb9b5

Expires: Sat, 16 Nov 2013 03:35:43 GMT

Status:**204**

No Content: if the transaction is renewed successfully

410

Gone: if the transaction doesn't exist

POST**Save and commit an open transaction**

Any operations you made within the scope of the transaction will be applied together, meaning if any of them fail, the whole transaction will fail.

Example:

```
curl -i -X POST "http://localhost:8080/rest/tx:123456789/fcr:tx/fcr:commit"
```

Response:

Status: 204 No Content

Status:**204**

No Content: if the transaction is committed successfully

410

Gone: if the transaction doesn't exist

POST**Rollback and close an open transaction****Example:**

```
curl -i -X POST "http://localhost:8080/rest/tx:123456789/fcr:tx/fcr:rollback"
```

Response:

```
Status: 204 No Content
```

Status:

204

No Content: if the transaction is discarded successfully

410

Gone: if the transaction doesn't exist