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