

Local code systems

Import local code systems from a spreadsheet

`localcodesystem importXL` imports local code system content from the specified Excel spreadsheet (with `.xls` or `.xlsx` extension). Required arguments are the spreadsheet path and the merge mode, expressed as an integer with three possible values:

1. “clear” — all existing local terminology entries are removed from the terminology store first, then the contents of the spreadsheet are added;
2. “merge” — if the terminology store already contains a local terminology to be imported, metadata groups and local codes with the same identifiers will be unaffected, while new incoming elements (ex.: local codes, metadata keywords) are going to be added to the existing local terminology
3. “replace” — similar to merge, but when an existing local terminology is encountered, the existing content will be replaced by the spreadsheet’s related content.

The administrator is also required to provide a user identifier; the given user ID will be displayed in the commit log as the importing user.

```
osgi> localcodesystem importXL /path/to/local_code_systems.xlsx 0
Impersonate operation as: info@b2international.com

... - Importing local code systems from excel file: /path/to/local_code_systems.xlsx
...
... - Clearing index data...
... - Clearing index data successfully finished.
... - Converted local code system ABCD with 9 codes.
...
... - Updating terminology metadata.
...
```

Export local code systems to a spreadsheet

`localcodesystem exportXL` will generate an Excel file in XLSX format, in which all local terminology metadata and codes will be presented on different worksheets. The only required argument is a destination path; the exported file will be added to this location on the server.

```
osgi> localcodesystem exportXL /path/to/exported_spreadsheet.xlsx

... - Exporting Local Code Systems to Excel started. Server-side file:
/path/to/exported_spreadsheet.xlsx
...
... - Finished exporting Local Code Systems to Excel.
```

LOINC

Import LOINC vocabulary from a release archive

`loinc import` replaces existing LOINC terminology store content with the concepts and multi-axial hierarchy given in the specified input `.zip` archive. This command also requires a user identifier to be entered, which will be presented as the importing user in the commit information view.

```
osgi> loinc import /path/to/loinc_archive.zip
Impersonate operation as: info@b2international.com

... - LOINC import: 0%
... - Processed LOINC multi-axial hierarchy lines: 0
... - Processed LOINC multi-axial hierarchy lines: 10000
... - LOINC import: 1%
...
... - Set children for number of beans: 1000
... - Set children for number of beans: 2000
... - LOINC import: 10%
... - Set children for number of beans: 3000
...
... - Processed and normalized the LOINC hierarchy file: 76675 entries.
... - Processed LOINC table rows: 10000
... - LOINC import: 16%
... - Processed LOINC table rows: 20000
...
... - Processed the LOINC table file: 71464 lines.
... - Processed 10000 skeleton components.
...
... - Processed the total of 76675 skeleton components.
...
... - Processed 50000 concepts with hierarchy info.
...
... - Processed 76675 concepts with hierarchy info.
... - Commit notification received for user info@b2international.com.
... - Clearing index data...
... - Clearing index data successfully finished.
...
... - LOINC import: 96%
... - Processed 40000 index entries.
... - LOINC import: 97%
...
... - LOINC import: 100%
... - LOINC import completed.
```

Mapping sets

Import mapping sets from a spreadsheet

`mappingset import` allows the administrator to import one or more mapping sets from the specified spreadsheet; the command also requires a merge setting (given as an integer). The selection and meaning of merge options are the same as the ones given in [Import local code systems from a spreadsheet](#).

```
osgi> mappingset import /path/to/mapping_sets.xlsx 1
Impersonate operation as: info@b2international.com
```

```
... - Importing mapping sets from excel file: /path/to/mapping_sets.xlsx
... - Processed excel sheet 1. First spreadsheet for mapping set
... - Branch: MAIN Event: MappingSet: new components added: 12
... - Commit notification received for user info@b2international.com.
```

Value Domain

Import value domains from a UMLS SVS XML file

valueset import works with value domain terminology content and also supports the three merge modes mentioned at the local code system import command. The administrator will be prompted for an importing user identifier, which is required for identification in the commit information view.

The two required arguments are the absolute path of the source XML file, and the selected merge mode (represented by an integer in the range of 0..2).

```
osgi> valueset import /path/to/svs_import_file.xml 0
Impersonate operation as: info@b2international.com
```

```
[2013-12-12 16:50:04.660] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Importing value domains from UMLS file /path/to/svs_import_file.xml.
[2013-12-12 16:50:04.660] User: info@b2international.com Event: Importing value
domains from UMLS file /path/to/svs_import_file.xml.
[2013-12-12 16:50:04.660] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Deleting existing value domains from database...
[2013-12-12 16:50:04.660] User: info@b2international.com Event: Deleting existing
value domains from database...
[2013-12-12 16:50:04.755] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionBeforeCommitting() start
[2013-12-12 16:50:04.755] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionBeforeCommitting() lock acquired for BranchPath{Path='MAIN'}
[2013-12-12 16:50:04.776] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionBeforeCommitting() end
[2013-12-12 16:50:04.785] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionAfterCommitted() start
[2013-12-12 16:50:04.787] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionAfterCommitted() end
[2013-12-12 16:50:04.787] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionAfterCommitted() lock released for BranchPath{Path='MAIN'}
[2013-12-12 16:50:04.956] [Worker-11] INFO c.b.s.d.PostStoreUpdateManager - Commit
notification received for user info@b2international.com.
[2013-12-12 16:50:05.083] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Processed value domain Hospital Measures-Joint Commission Mental Disorders.
```

```

[2013-12-12 16:50:05.083] User: info@b2international.com Event: Processed value domain
Hospital Measures-Joint Commission Mental Disorders.
[2013-12-12 16:50:05.141] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Processed value domain Hospital Measures-Comfort Measures Only Intervention.
[2013-12-12 16:50:05.141] User: info@b2international.com Event: Processed value domain
Hospital Measures-Comfort Measures Only Intervention.
...
[2013-12-12 16:50:15.075] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Processed value domain Ethnicity.
[2013-12-12 16:50:15.075] User: info@b2international.com Event: Processed value domain
Ethnicity.
[2013-12-12 16:50:17.352] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionBeforeCommitting() start
[2013-12-12 16:50:17.352] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionBeforeCommitting() lock acquired for BranchPath{Path='MAIN'}
[2013-12-12 16:50:28.973] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionBeforeCommitting() end
[2013-12-12 16:50:39.420] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionAfterCommitted() start
[2013-12-12 16:50:40.085] User: info@b2international.com Branch: MAIN Event:
ValueSetFolder: new components added: 131646
[2013-12-12 16:50:40.086] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionAfterCommitted() end
[2013-12-12 16:50:40.086] [Worker-11] INFO c.b.s.d.s.CDOServerChangeManager -
handleTransactionAfterCommitted() lock released for BranchPath{Path='MAIN'}
[2013-12-12 16:50:40.965] [Worker-11] INFO c.b.s.d.PostStoreUpdateManager - Commit
notification received for user info@b2international.com.
[2013-12-12 16:50:41.005] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Committed value domains.
[2013-12-12 16:50:41.005] User: info@b2international.com Event: Committed value
domains.
[2013-12-12 16:50:41.009] [Worker-11] INFO c.b.s.v.d.s.i.ValueSetIndexInitializerJob
- Clearing indexes for value domain import...
[2013-12-12 16:50:41.009] User: web Event: Clearing indexes for value domain import...
[2013-12-12 16:50:41.020] [Worker-11] INFO c.b.s.v.d.s.i.ValueSetIndexInitializerJob
- Cleared indexes for value domain import
[2013-12-12 16:50:41.020] User: web Event: Cleared indexes for value domain import
[2013-12-12 16:50:41.023] [Worker-11] INFO c.b.s.v.d.s.i.ValueSetIndexInitializerJob
- Processed 2 value domain member index entries.
[2013-12-12 16:50:41.023] User: web Event: Processed 2 value domain member index
entries.
...
[2013-12-12 16:50:56.176] [Worker-11] INFO c.b.s.v.d.s.i.ValueSetIndexInitializerJob
- Processed 20 index entries for folders.
[2013-12-12 16:50:56.176] User: web Event: Processed 20 index entries for folders.
[2013-12-12 16:50:58.125] [Worker-11] INFO c.b.s.d.s.i.AbstractTerminologyImportJob -
Completed importing value domains from UMLS file /path/to/svs_import_file.xml.
[2013-12-12 16:50:58.125] User: info@b2international.com Event: Completed importing
value domains from UMLS file /path/to/svs_import_file.xml.

```