[DISCUSS] Migrate from 1.2 to 2.0



This page contains topics supporting ongoing discussion at dev@syncope.apache.org.

Tracked as SYNCOPE-753.

Essentially, we need:

- 1. a tool generating (mostly) valid *Content.xml in 2.0 format, taking a 1.2 content.xml (ideally exported from a 1.2 deployment)
- 2. a "Syncope" ConnId connector which can be used to pull users and groups from an existing 1.2 deployment
- 3. a reference migration procedure to follow

The idea is that, given an existing 1.2 deployment, one will:

- 1. generate a new 2.0 project
- 2. export content.xml from 1.2 deployment
- 3. run the migration tool to convert most of content.xml into some MasterContent.xml there are some items which cannot be directly migrated, as virtual schemas and related mappings
- 4. put the generated MasterContent.xml under core/src/test/resources/domains in the new 2.0 project
- 5. run the new 2.0 project in embedded mode while watching all logs if errors are found, make appropriate corrections into core/src/test/resources/domains/MasterContent.xml this might involve migrate 1.2 customized classes into their respective 2.0 counterparts
- once errors are gone, access the admin console in embedded mode and look if every configuration item is at its place (schema, connectors, resources, mappings, notifications, ...)
- 7. manually add the items that cannot be automatically migrated
- 8. if using delegated administration, reconstruct roles and entitlements under the new security model
- 9. verify that all operations (CRUD / propagate / synchronize / push) about users and roles in 1.2 are now working (CRUD / propagate / pull / push) with users and groups in 2.0
- 10. export the working configuration and save it as core/src/test/resources/domains/MasterContent.xml

At this point:

- 1. add the "Syncope" Connld connector to the 2.0 project
- start in embedded mode, define connector instance and resource for such a connector you will need to connect to the internal storage of the 1.2 deployment
- 3. pull users and / or groups from the newly created resource