

[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
6. 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" ConnId connector to the 2.0 project
2. 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