CzechIdM - extras

CzechIdM - extras contains various features, which are not suited to be in any other module. List of the currently supported features is bellow.

Currently supported CzechIdM version : 9.2.2

Developing and releasing

> ⚠ Code contributions missing tests and/or documentation will be rejected. If such code is somehow present in the `develop` branch, the `develop` is considered unstable and no new releases of the module (and merges into `master`) can be made.

- When developing, use our standard gitflow:
    - Branch per feature. Branch naming as usual.
    - Develop on top of the `develop`.
    - Master branch contains tagged releases.
    - The **only** way for code to get into master is by pull request `develop → master`.

- Release process
    1. After merging all features wanted for the release, one (selected) developer builds the develop. If it builds fine and tests are also OK, the developer edits module version in `pom.xml` and `package.json` files and sets it to `X.Y.Z`.
    2. Developer creates pull request on GitHub to merge `develop → master`.
    3. Repo admin (or any other authorized user) reviews the pull request, can request changes if necessary. Unresolved TODOs, missing comments, bad codestyle or documentation, suspected bugs, etc. - all those things can be grounds for change request.
    4. If the pull request is OK, repo admin merges it.
    5. Repo admin creates a new release in GitHub interface, version is set to `X.Y.Z` to correspond with version set in project sources.
    6. Repo admin pushes release into BCV Nexus.
    7. After release, repo admin makes changes on the `develop` branch: upps module version to `X(+1).Y(+1).Z(+1)-SNAPSHOT` in the `pom.xml` and `package.json`. What the next version of the module will be is up to discussion preceding the release.

Virtual system import LRT

Documentation is available here: [Systems - Import of data from CSV](#)

Automatic role definitions - Import of data from CSV LRT

Documentation is available here: [Automatic role definitions - Import of data from CSV](#)

Assign roles to contract EAV - Import of data from CSV LRT

Documentation is available here: [Assign roles to contract EAV - Import of data from CSV](#)

Roles - Import of data from CSV LRT

Documentation is available here: [Roles - Import of data from CSV](#)

Automatic roles - adding role by node in structure

Documentation is available here: [Automatic roles - adding role by node in structure](#)

Status task

Documentation is available here: [Status task - How to prepare the task](#)

SSO authenticate

Documentation is available here: [sso_authentificate](#)

Guarantees of roles can assign their roles to everybody

This feature enable that if you are guarantee at least for one role then you will see all users and you can assign/delete/edit roles for which you are guarantee. You can see all user's roles but you can't change the others for which you are not guarantee

For correct behavior you need to configure three new evaluators to userRole:

- IdentityAccessForRoleGuaranteeEvaluator
- IdentityRoleAccessForRoleGuaranteeEvaluator
- RoleRequestAccessForRoleGuaranteeEvaluator

Other thing you need to do is to enable service ExtrasIdmConceptRoleRequestService. This service is by default turned off in extras module. Go to your project modul and create new service which will inherit from ExtrasIdmConceptRoleRequestService and add annotation Primary and Service.

Update IdmConceptRoleRequestDto is allowed everybody that will change only audited fields or systemState field (this is for update state of whole request after retry mechanism or approving virtual request).

Report Compare values in IdM with values in system

Report will compare value of attributes with connected system. Connected system does not need to be in read only. More information is available here: Report - Compare values in IdM to system (extras, before CzechIdM 12)

Notification about the end of identity's last contract

A notification about the end of identity's last contract will be sent to those who have a specified role assigned and optionally the manager of the user. A different notification can be sent before the contract ends and when it ends. More information is available here: Notification - the end of identity's last contract

Get titles before and after

Almost every project receive all titles in one string and IdM allow separates titles before and after. For this case was created in *ExtrasUtils* two methods *getTitlesAfter* and *getTitlesBefore*. And transformation scripts *extrasGetTitlesBefore* and *extrasGetTitlesAfter*, transformation scripts calls method from utils.

Dictionary with titles can be setup by configuration properties. Default values exists.

```
idm.sec.extras.configuration.titlesAfter="Ph.D.", "Th.D.", "CSc.", "DrSc.",
"dr. h. c.","DiS.", "MBA"
idm.sec.extras.configuration.titlesBefore="Bc.", "BcA.", "Ing.", "Ing.
arch.", "MUDr.","MVDr.", "MgA.", "Mgr.", "JUDr.", "PhDr.", "RNDr.",
"PharmDr.", "ThLic.", "ThDr.", "prof.", "doc.","PaedDr.", "Dr.", "PhMr."
```

Import automatic roles on tree nodes

You can use this tool to create automatic roles which are assigned based on the position within the organization structure using a CSV file as a source. More information is available here: Automatic roles on tree nodes - import data from CSV