



# eCMR Index Registry Adding Guide

Development funded by

**DIGINNO-Proto** 





### **Prerequisites/Notes**

- Admin credentials of Keycloak instance master realm
- Credentials for connecting to the infrastructure of indexing servers

### **Steps**

- 1. Go to "/etc/docker/deployment/fabric-network/test-network/addCountry"
- 2. Run "addCountry.sh up -country <two\_letter\_country\_code>" ex.: "addCountry.sh up -country ua"
- 3. If everything goes successfully, go to "/etc/docker/deployment/fabric-network/scripts/add-country-scripts" and check if ".tmp" file contains all deployed countries (the file content should look like "It ee Iv pl ua", if the 'ua' was added as a new indexing server).
- 4. Open browser and go to "https://sso.playground.ecmr4.eu/auth/"
- 5. Login with administrator account and create a realm with a name of two letter country code (lowercased)
- Go to "/etc/docker/deployment", open "docker-compose.infra.yml" and update "keycloak" service with required Traefik variables for newly added realm (you must wait a minute or two until keycloak instance reacreates)

Figure 1. Update example of 'docker-compose.infra.yml" file

- 7. Save the updated file and run "docker-compose -f ./docker-compose.infra.yml -p infra up -d" command
- 8. Go to "/etc/docker/deployment/fabric-network/scripts" and run command "network.sh deployCC -l go -v 16 -verbose" (number '16' is chaincode version which should be incremented by one every time you update chaincode).
- 9. Go to "/etc/docker/deployment" and edit "docker-compose.api.yml" with service for added country index api (take lt-index-api as example).
- 10. Then run "docker-compose -f ./docker-compose.api.yml -p api up -d"
- 11. Go to "/etc/docker/deployment/fabric-network/test-network/api-scripts"





- 12. Run "node enrollAdmin.js <two\_letter\_deployed\_country\_code>" (ex.: "node enrollAdmin.js pl")
- 13. Replace data in *countries* variable in *addOrganizationsToAPI.js* file with two letter country code you just newly added.
- 14. Run "node addOrganizationsToAPI.js" script and save output ID's of added organizations and connection profiles. As an example, from the output bellow, we need to extract these ID's as they will be used for user management configuration:
  - LV DLT organization ID: 69c0d37c-8f18-4f9f-abe0-5c435fdb1477
  - LV DLT connection profile ID: 056c7244-4bb4-4abe-8936-76bcc09a691c

```
Adding orgs to API Layer
Creating 'lv' org in API Layer
Added 'LV' org: { id: '69c0d37c-8f18-4f9f-abe0-5c435fdb1477',
 created at: '2020-07-20T13:59:20.199205
 updated at: '2020-07-20T13:59:20.199209125Z',
 msp id: 'LVMSP' }
Added 'LV' connection profile: { id: '056c7244-4bb4-4abe-8936-76bcc09a691c',
  created at: '2020-07-20T13:59:20.3670767012',
  updated at: '2020-07-20T13:59:20.367076701Z'
  organization id: '69c0d37c-8f18-4f9f-abe0-5c435fdb1477',
  profile:
   { name: 'test-network-lv',
     version: '1.0.0',
     client: { organization: 'lv', connection: [Object] },
    organizations: { lv: [Object] },
     peers: { 'peer0.lv.playground.ecmr4.eu': [Object] },
     certificateAuthorities: { 'ca.lv.playground.ecmr4.eu': [Object] } } }
```

Figure 2. Example output of running 'node addOrganizationsToAPI.js' script

- 15. Go to <a href="https://sso.playground.ecmr4.eu/auth">https://sso.playground.ecmr4.eu/auth</a> and login with admin credentials.
- 16. Configure realms you created previously:
  - 16.1. Create a client of with a name of 'index-api' and access type set as 'public'

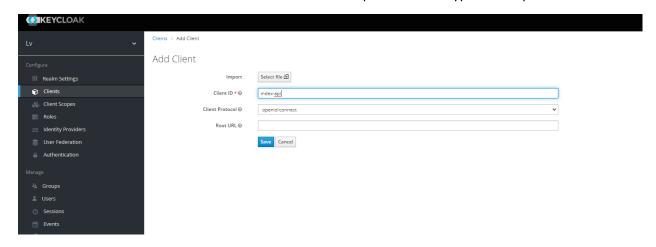


Figure 3. Client configuration for API layer (1)





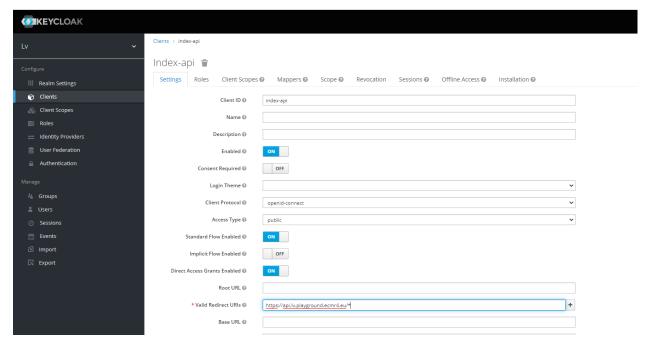


Figure 4. Client configuration for API layer (2)

16.2. Create an "ecmr\_admin" role for country administrators with configuration as shown below (user with this role will be able to login to administration console and manage users/groups)

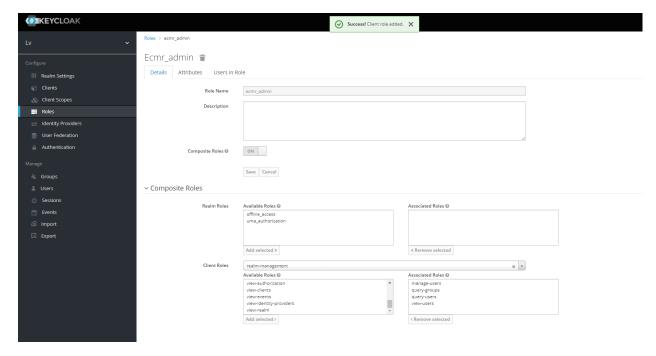


Figure 5. Country administrator role configuration

16.3. Create an 'ecmr-api' scope





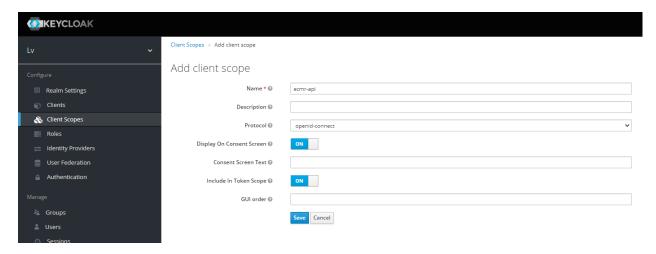


Figure 6. 'ecmr-api' client scope creation

16.4. Configure token mappers for 'ecmr-api' scope





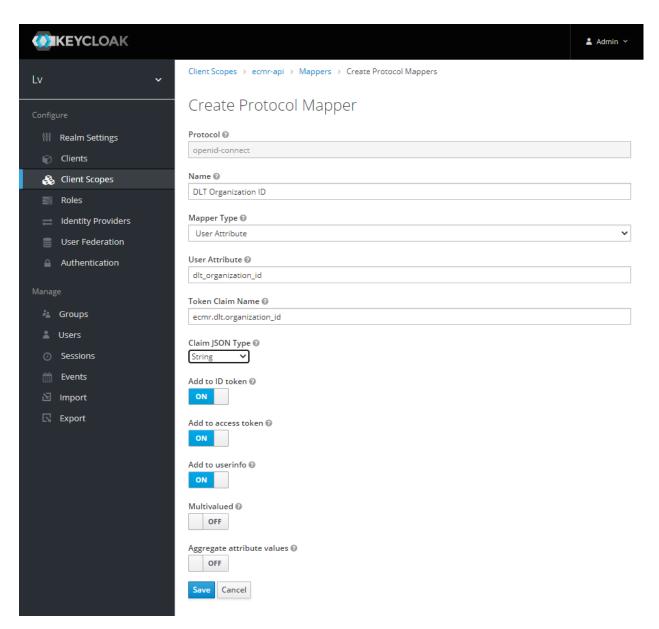


Figure 7. 'ecmr-api' client scope token mapping configuration





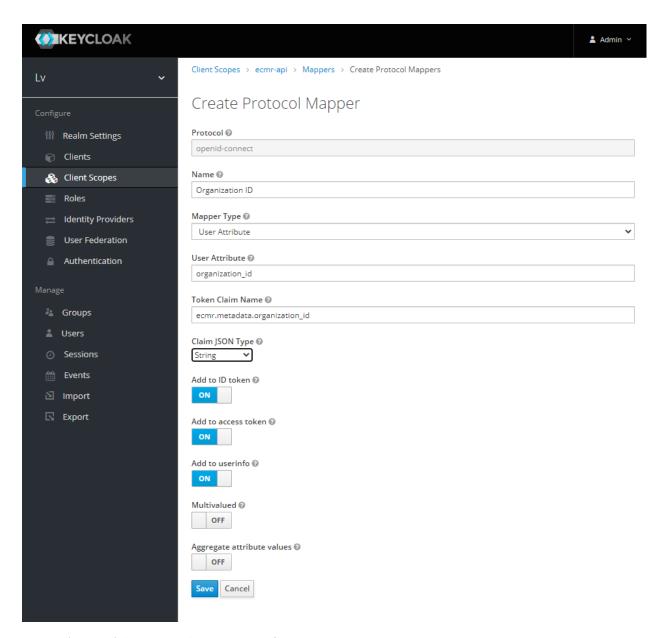


Figure 8. 'ecmr-api' client scope token mapping configuration





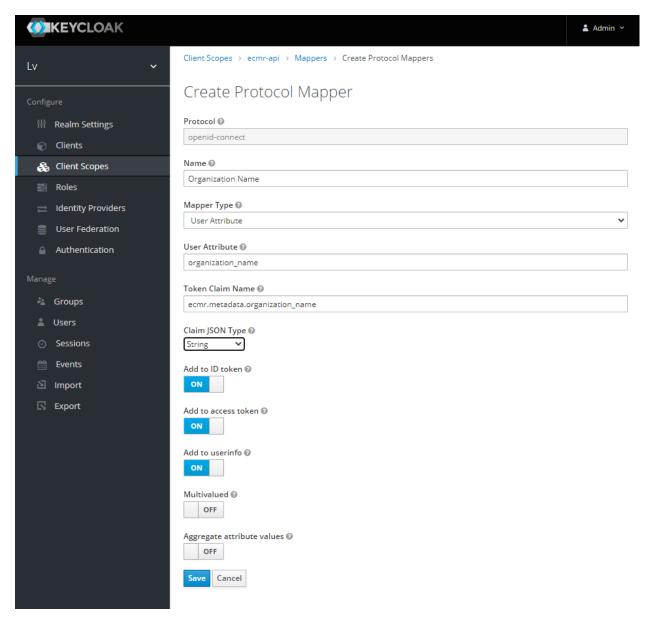


Figure 9. 'ecmr-api' client scope token mapping configuration





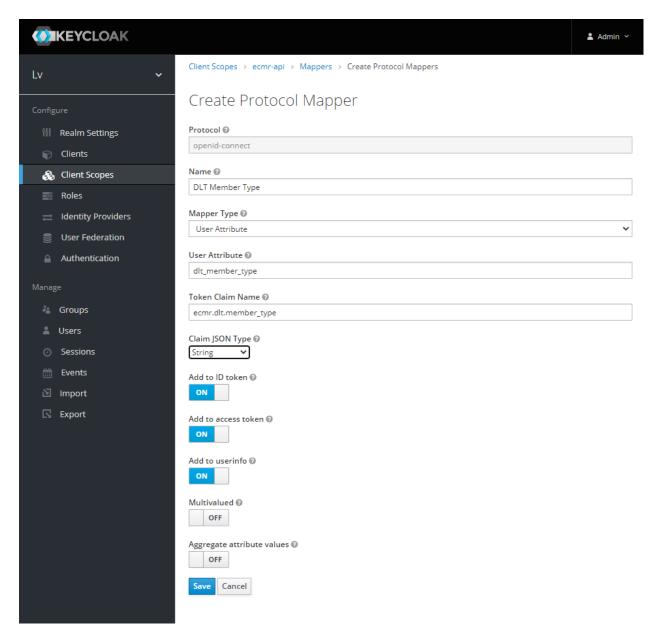


Figure 10. 'ecmr-api' client scope token mapping configuration





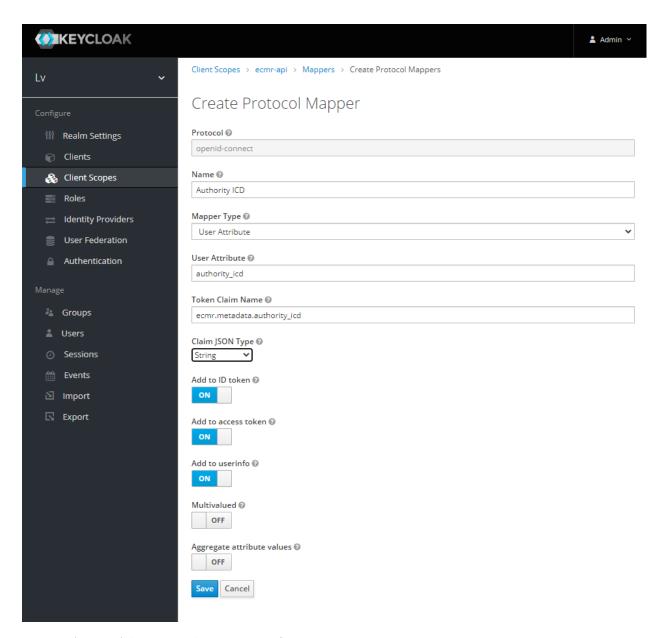


Figure 11. 'ecmr-api' client scope token mapping configuration





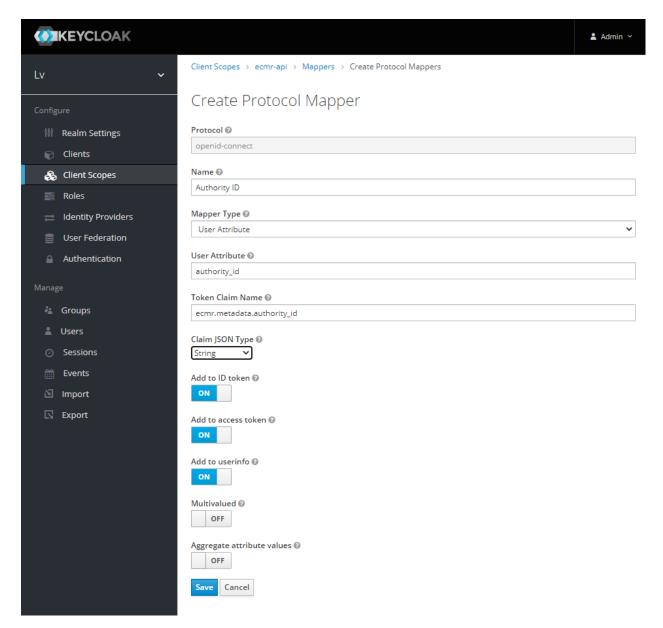


Figure 12. 'ecmr-api' client scope token mapping configuration





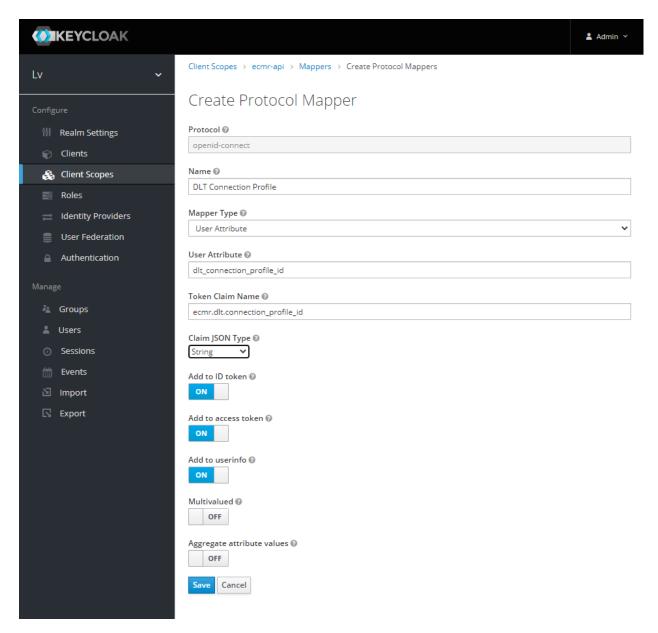


Figure 13. 'ecmr-api' client scope token mapping configuration





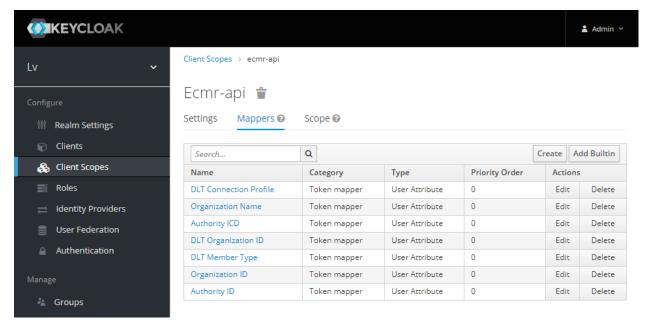


Figure 14. 'ecmr-api' client scope token mapping configuration

# 16.5. Set 'ecmr-api' scope as default client scope for created 'index-api' client

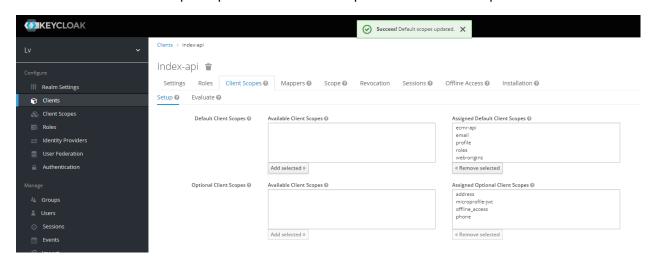


Figure 15. Setting 'ecmr-api' client scope as default for 'index-api' client

## 16.6. Create 'Business' and 'Government'





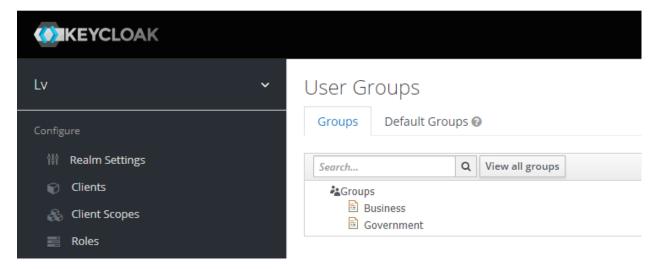


Figure 16. Creation of 'Business' and 'Government' groups

16.7. Set attributes for created groups with id's received from step '12'



Figure 17. Attribute configuration for 'Business' group



Figure 18. Attribute configuration for 'Government' group

17. After all steps we completed successfully – you can start using country API.