

# **Identity Federation Training**

Jagger Federation management tool:

How to use Jagger Interface

#### **GN4-3-WP5-eduGAIN**:

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#### *Identity Federation* has two main parts:

- legal
- technical

Legal part consists from agreements, policies, declarations and other boring stuff.

Technical part have to deal with hardware, software and data exchange. Federation data flow consists from metadata transferred between: entities within federation or federation and eduGAIN. To sign and publish metadata or get downstream metadata from eduGAIN, Jagger Resource Registry is the simplest tool to be used.



# Federation management using Jagger

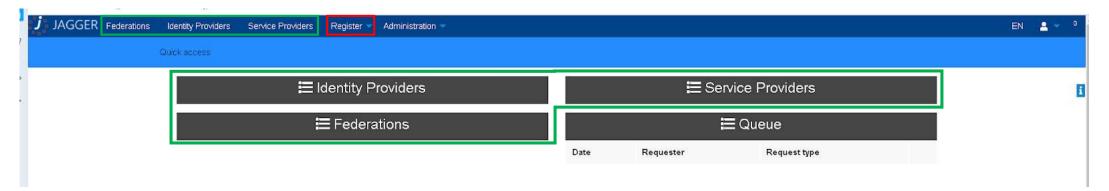
Few simple steps should be performed, to manage any identity federation using Jagger RR:

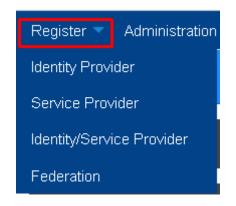
- 1. Populate federation data
- 2. Populate entities data
  - Add SP entity
  - Add IdP entity
- 3. Configure metadata sign process



# Default page

Jagger home page contain quick access buttons to registered federations, entities and actions queue.





Register button, from top navigation menu, will be used to start new Federation, Service Provider or Identity provider registration process

#### Administration menu

Administration

Addons

Federation Categories

Entity Attributes

Registration Policies

Attribute definitions

System

Configuration

Metadata importer

Users

Manage articles

Manage mail templates

Administration menu offer a set of tools useful for federation or entity management.

Addons – SAML data decoder, useful decrypt encoded AuthnRequest /AuthnResponce: SAML Messages

Federation Categories – create internal categories, and sort Federations into them

Entity Attributes – register attributes, linked to entities metadata

Registration Policies – manage Registration Policies, which can be used by entities or federations

Attribute definitions – manage list of SAML attributes exchangable between IDP and SP



#### Administration menu

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*System* – contain tools for system tests, and mass email sender (ex:to announce maintenance works)

Configuration – manage miscellaneous UI settings, like cookie consent for every page, custom text within interface header/footer, breadcrumbs, etc.

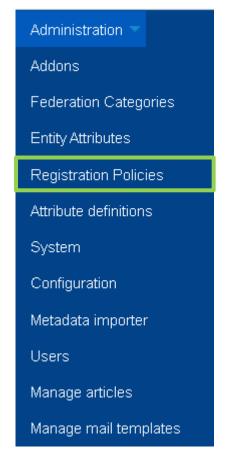
*Metadata Importer* - tool used to register entities by importing metadata.

*Users* – UI users manager

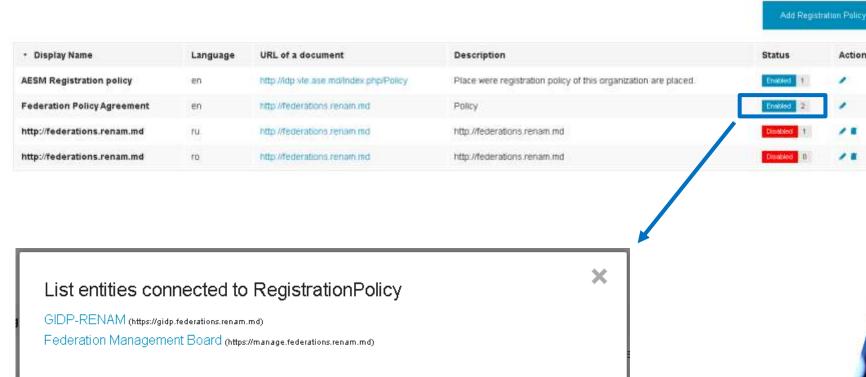
Manage articles – mini CMS used to create and manage home page Manage mail templates – create and manage mail templates, used to request approval from federation manager.



# Administration menu. Registration Policies



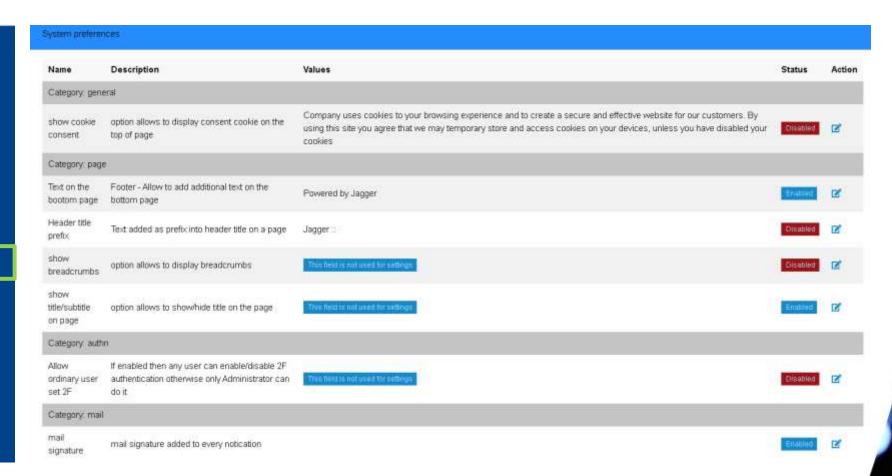
Registration policies can be used by multiple entities.



Action

#### Administration menu

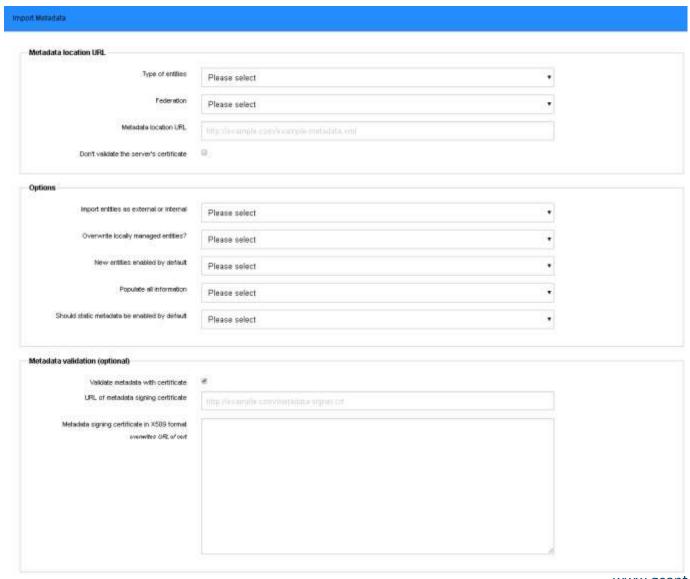
Administration Addons Federation Categories Entity Attributes Registration Policies Attribute definitions System Configuration Metadata importer Users Manage articles Manage mail templates





# Administration menu. Metadata importer



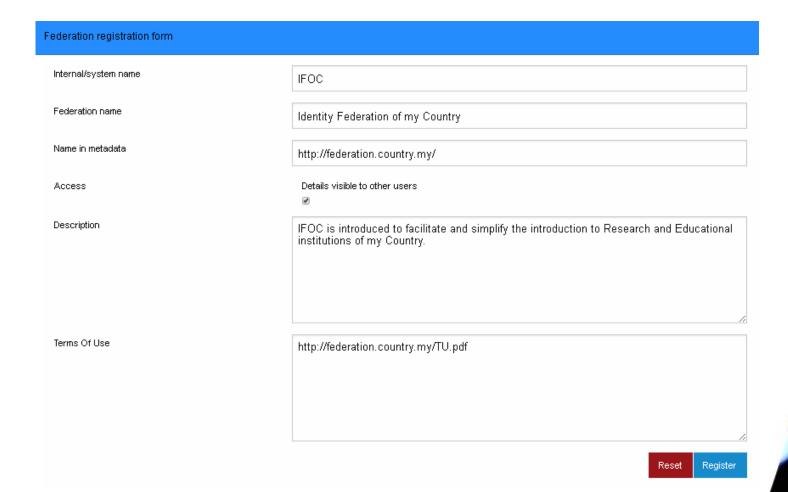


### Register new Federation

Register new Federation into the Resource Registry is quite easy.



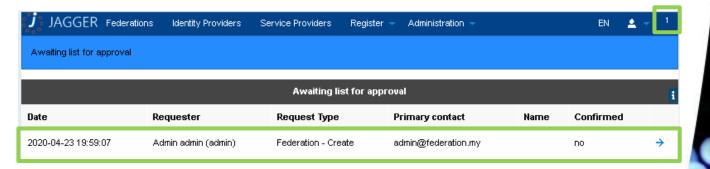
But is should be done using values defined in registration documents applied to eduGAIN

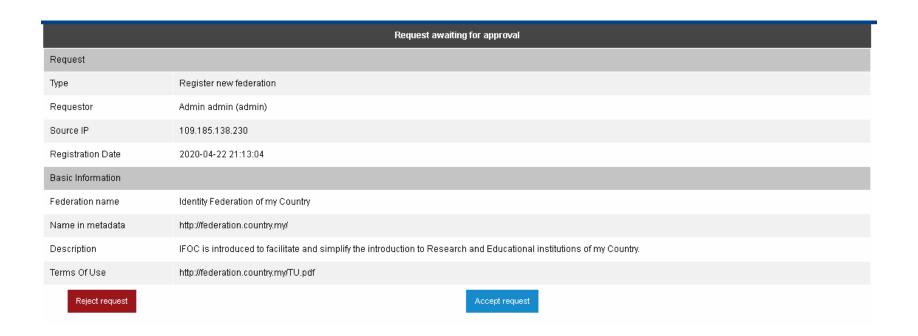




### Register new Federation

Newly registered federation will not appear in federations list until it is not validated by Jagger admin (even if requester is admin).

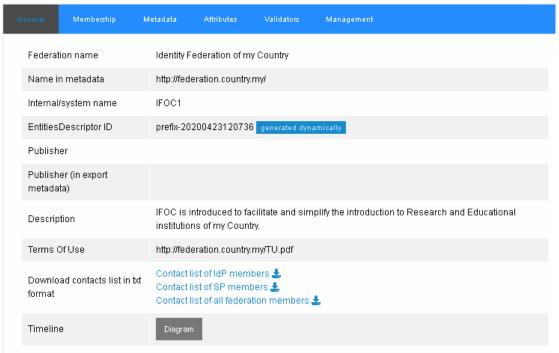






### Manage Federation

Approved federation will be populated with information provided and, if visible, is available for entities registration into it. In order to modify or delete federation, it should be deactivated first.



#### Request to deactivate federation



#### **Active and inactive federation**

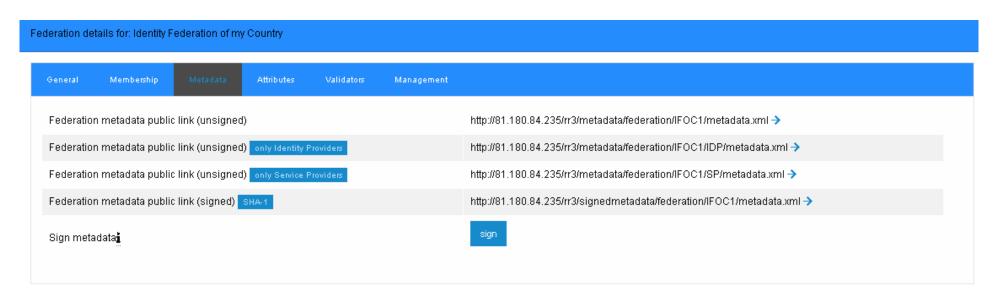
Name	Name in metadata	
My1stTF	manage.all.for.me	not public inactive
Identity Federation of my Country	http://federation.country.my/	not public active

#### Request to activate or delete federation

General	Membership	Metadata	Attributes	Validators	Management	
Access m	nanagement <del>-)</del>					
Activate.	Federation App	ply to remove Fed	feration			

### Manage Federation

Active federation offer 4 metadata sources, also, 2 types of metadata are available: signed and unsigned. Unsigned metadata is aggregated immediately, accordingly to selected type, so it is fresh at every button press. Signed metadata is aggregated after sign button press, or using preconfigured periodic system job. So, signed metadata will display last aggregated during singing job.



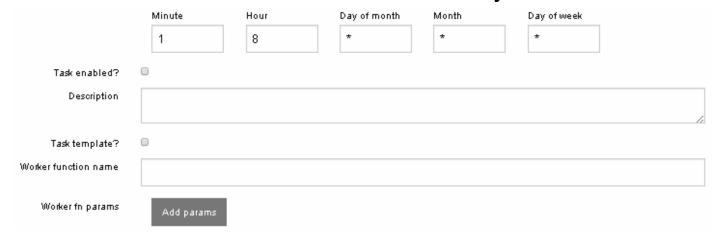


### Manage Federation. Task Scheduler tool

Preconfigured periodic system job can be runned by Jagger integrated *Task Scheduler*. It will become available in *Administration* menu if enabled in configuration files. Time format to run task is similar to *Linux crontab*.

Job accept input parameters, paired as *key<>value*. Exists two levels of parameters: which define action and which define required parameter.

#### Task scheduler interface. New job.





# Manage Federation. Adding job to sign metadata

Job type *metadatasigner* – metadata sing.

name

Shown configuration will apply metadatasigner job at 7:55, 11:55, 15:55, 19:55 every day.

Job will sign all entities and worker fur federations metadata using worker provided certificate.

	Milline	Hour	Day of month	IVIU
	55	7,11,15,19	*	*
sk enabled?	✓			
Description	bulk metadata s	sign		
sk template?	€			
nction name	metadatasigner	-		
er fn params	arg name			arg
	type			b

all – sign all entities and federations metadata

arg value

all

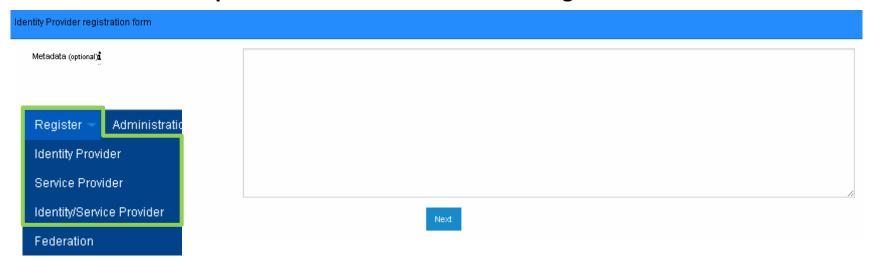
Day of week



#### Manage entities

New entities cad be added by automatic population of registry from their instance metadata or manually introducing all needed information. There a re two ways to add entities into Jagger using their metadata, by using *Register* menu or metadata importer tool from *Administration* menu.

#### Import metadata form called from Register menu



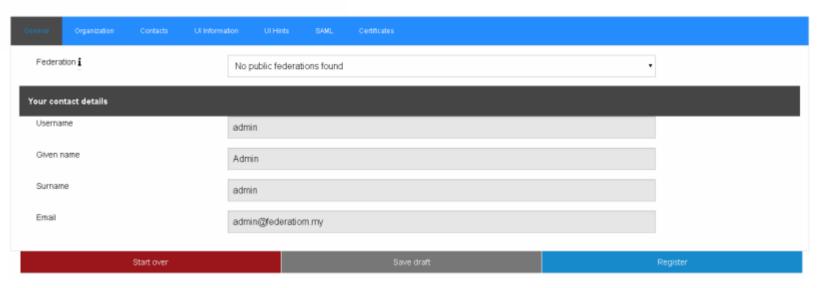
Administration Addons Federation Categories Entity Attributes Registration Policies Attribute definitions System Configuration Metadata importer Users Manage articles Manage mail templates

# Add entity using metadata. XML insert

```
<?xml version="1.0"?>
<md:EntityDescriptor xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata"</p>
xmlns:mdrpi="urn:oasis:names:tc:SAML:metadata:rpi" xmlns:mdui="urn:oasis:names:tc:SAML:metadata:ui"
xmlns:ds="http://www.w3.org/2000/09/xmldsig#" entityID="https://federation.my">
  <md: Extensions>
    <mdrpi:RegistrationInfo xmlns:mdrpi="urn:oasis:names:to:SAML:metadata:rpi"</pre>
registrationAuthority="https://federation.my">
      <mdrpi:RegistrationPolicy xml:lang="ro">https://federation.my</mdrpi:RegistrationPolicy>
      <mdrpi:RegistrationPolicy xml:lang="en">https://federation.myd</mdrpi:RegistrationPolicy>
      <mdrpi:RegistrationPolicv xml:lang="ru">https://federation.my</mdrpi:RegistrationPolicv>
    </mdrpi:RegistrationInfo>
  </md: Extensions>
  <md:IDPSSODescriptor protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
    <md: Extensions>
      <mdui:UIInfo xmlns:mdui="urn:oasis:names:to:SAML:metadata:ui">
        <mdui:DisplayName xml:lang="en">IFOCIDP</mdui:DisplayName>
        <mdui:Description xml:lang="en">IFOCIDO - identity provider used by IFOC</mdui:Description>
        <mdui:InformationURL xml:lang="en">https://federation.my</mdui:InformationURL>
        <mdui:InformationURL xml:lang="ru">https://federation.my</mdui:InformationURL>
        <mdui:Logo width="205" height="121">https://myawesome.logo/my.jpg</mdui:Logo>
      </mdui:UIImfo>
```

Adding entity by importing its metadata in *Registry* menu, can be done by inserting SAML 2.0 XML formatted metadata into form. Inserted metadata is parsed and shown within registry internal data categories.







# Add entity using metadata. URL import



Adding entity by importing its metadata in Administration menu, can be done by defining import options and metadata location.

Options offer possibility to define the way how added entity will be inserted into registry.

Internal/external entity – entity can/cannot be managed from Jagger UI Static metadata – upstream entity metadata will not be affected by metadata tweaks from Jagger metadata explorer

# Manage Federation entities

Metadata of internal entities can be edited by selecting entity from list.



#### Use *actions* button



Edit provider – switch information tab to edit mode, so entity values can be edited

Manage membership – manage entity membership interface.

SPs excluded from ARP - manage list of SPs excluded from Attribute Release Policies

Attribute Policy – manage Attribute Release Policies Clear cache – clears cached data thus updating displayed information

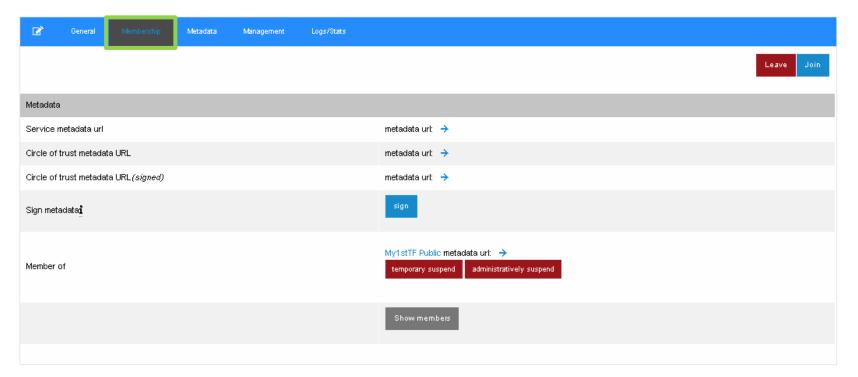
#### Select action to perform





### Manage Federation entities. Membership

Membership menu offer possibility to manage entity affiliation, state, sign and view metadata. Using suspend buttons, entity can be temporary disabled and kept in federation. Administratively suspended action is available only for Registry Administrator. If entity is suspended using Administratively suspended, temporary suspend state are not took into account. By pressing Show members button, the list of entities, available in same federation(s), will be shown\*.

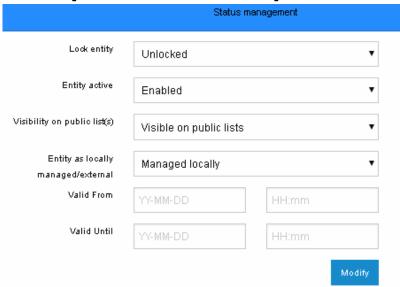


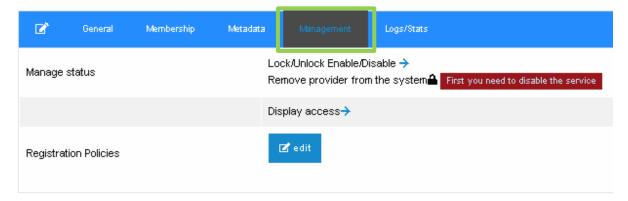
<sup>\*</sup>if current entity is SP then IdP entities will be shown

### Manage Federation entities. State management

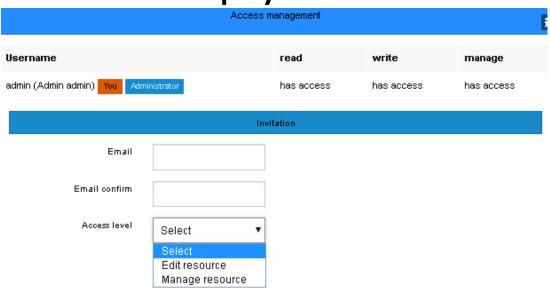
Management menu offer possibility to adjust entity management type, state, validity period, etc.

#### **Lock/Unlock Enable/Disable**



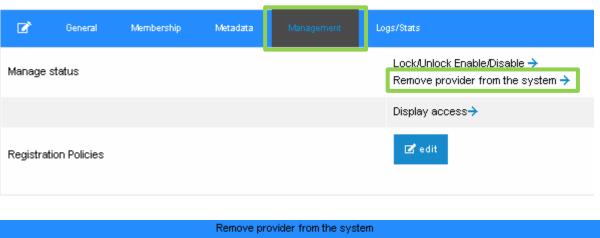


#### **Display access**



### Manage Federation entities. Removal

#### **Entity removal actions**



	remove provider from the dystom	i
	https://awesomesp.federation.my	
Please enter entityID	https://awesomesp.federation.my	
	Cancel	Remove provider from the system

Any entity or federation can be removed from registry. Remove option become accessible when entity or federation is disabled.

#### **Federation removal actions**





# Thank you

Any questions?

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