

LITNET way to eduGAIN

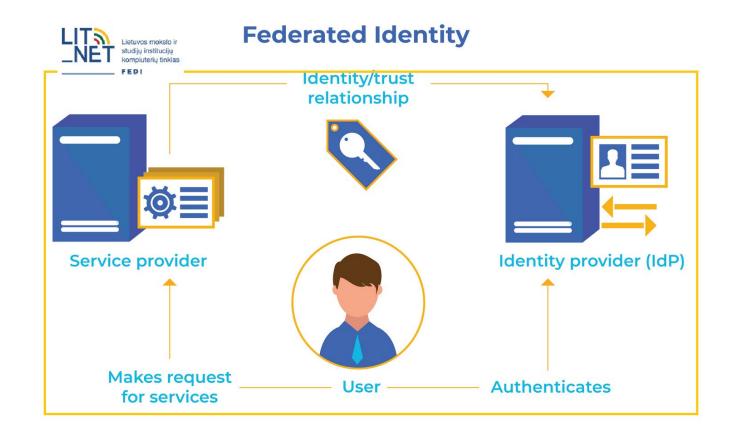
WACREN - CEOs Academy eduGAIN in Practice

8 December 2021

Ieva Muraškienė IT project manager LITNET VDU TC



Brief history to LITNET FEDI



2011 – Terena EuroCAMP



EuroCAMP Istanbul



- › Building Federated Identity Infrastructure 3-Day Event
 - > simpleSAMLphp IdP
 - > Shibboleth SP
 - > JANUS for Metadata Management
- > 19 Participants / 9 countries
 - > Armenia
 - › Azerbaijan
 - > Belarus
 - > Estonia
 - > Lithuania
 - > Moldova
 - > FYR Macedonia
 - > Serbia
 - > Turkey



2011 – 2012 LITNET builds test federation

Identity provider (LDAP)

Discovery service

Single Sign On

Service provider



LITNET FEDI member of eduGAIN since 2014



LITNET FEDI

Area served

Lithuania

General

eduGAIN declaration

version2 signed on :2014-08-27 see the scan

eduGAIN declaration hardcopy received version

2

Federation page

http://fedi.litnet.lt/

Contact email

fedi@litnet.lt

Security contact

mail: cert@litnet.lt (preferred)

phone:+37037300645 url: https://cert.litnet.lt

SG delegate

Aurelija Gefenienė

SG deputy

Kęstutis Paulikas

Policy

http://fedi.litnet.lt/doc/LITNET_FEDI_policy_EN.pdf

Supplied English version of the Policy

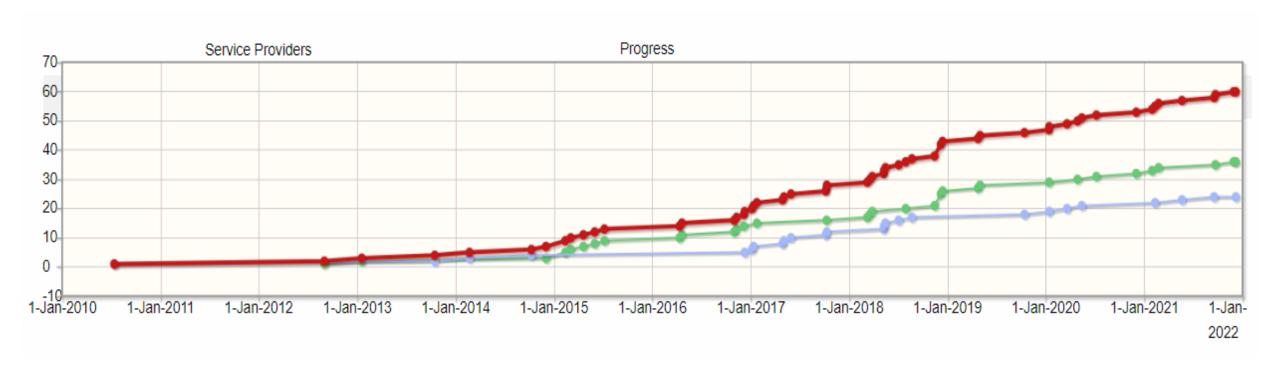
yes



2017 – LITNET FEDI Identity federation expands

- 2 Single Sign-On hosts
- Institutional IDPs
- Discovery service
- Federation as a Service (GÉANT)
- Metadata registry for IDM/SSO as a Service
- Cron for metadata refresh
- Multiple SPs

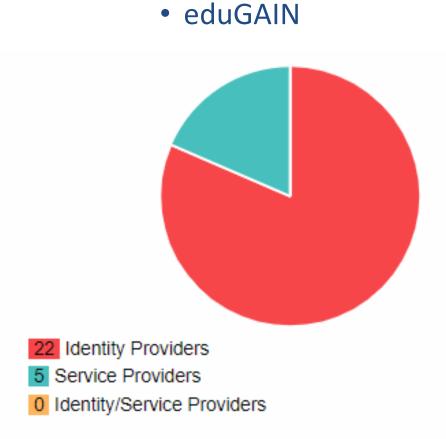
LITNET FEDI growth



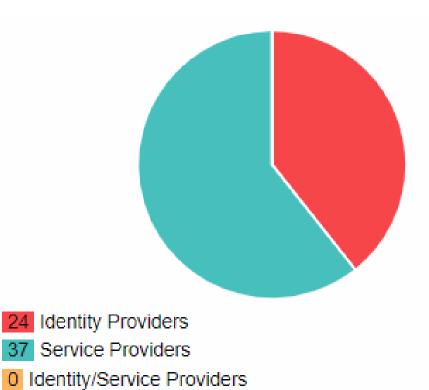


eduGAIN and national federation entities









Key factors to LITNET FEDI success





Staff with relevant skill set and NREN own infrastructure







SAML 2.0 protocol



Read and Learn

Useful links:

- https://wiki.geant.org/display/eduGAIN
- https://wiki.geant.org/display/eduGAIN/Tools+and+Services
- https://technical.edugain.org/
- https://wiki.geant.org/display/eduGAIN/IDP+Attribute+Profil e+and+Recommended+Attributes
- https://wiki.refeds.org/
- https://discovery.refeds.org/guide/
- https://attribute-viewer.aai.switch.ch
- https://attribute-viewer.aai.switch.ch/interfederation-test/



Sharing information

Identity federation website



About LITNET FEDI

LITNET FEDI is a federated identity service for research and education institutions in Lithuania, which participate in LITNET programme and have a valid LITNET service agreement.

Benefits provided by LITNET FEDI to any participant institution:

- · secure and convenient way connect to e-services;
- · better access management;
- better digital identity management;
- · more services for their users and vice versa;
- · higher quality services.

LITNET FEDI architecture provides possibility for better access management to services or resources because it is based on roles.

Better digital identity management is achieved through clear definition who is specifically responsible for identity management and updating user information.

LITNET FEDI can offer more services to users, and vice versa, more users can reach specific services.

A service, trying to become federated, has to not only conform to security and reliability requirements, but also has to be relevant to the federation community. This fact itself raises the quality of federated services.









SEARCH

Search...

METADATA URL

LITNET FEDI metadata https://fedi.litnet.lt/metadata/l itnet.xml



Technical instructions

 WIKI page with technical configuration and tips for IT admins





Providing user support system for Q&A

Email request tracker system for providing user support

310879	Federation member has been modified	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org></noreply@litnet.faas.geant.org>	6 days ago		23 hours ago	
310882	Provider has been modified	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org></noreply@litnet.faas.geant.org>	6 days ago		23 hours ago	
311329	Provider has been modified	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org></noreply@litnet.faas.geant.org>	5 days ago		3 hours ago	
311332	Federation member has been modified	new	LITNET federacija	Nobody	High
	<noreply@litnet.faas.geant.org></noreply@litnet.faas.geant.org>	5 days ago		3 hours ago	
312349	User registration request	new	LITNET federacija	Nobody	Low
	<noreply@litnet.faas.geant.org></noreply@litnet.faas.geant.org>	3 days ago		5 hours ago	
312460	User Registration	new	LITNET federacija	Nobody	Low
	<noreply@litnet.faas.geant.org></noreply@litnet.faas.geant.org>	3 days ago		3 hours ago	



Communication between IdP admins

 Various communication tools for group messages for IT admins for quick questions

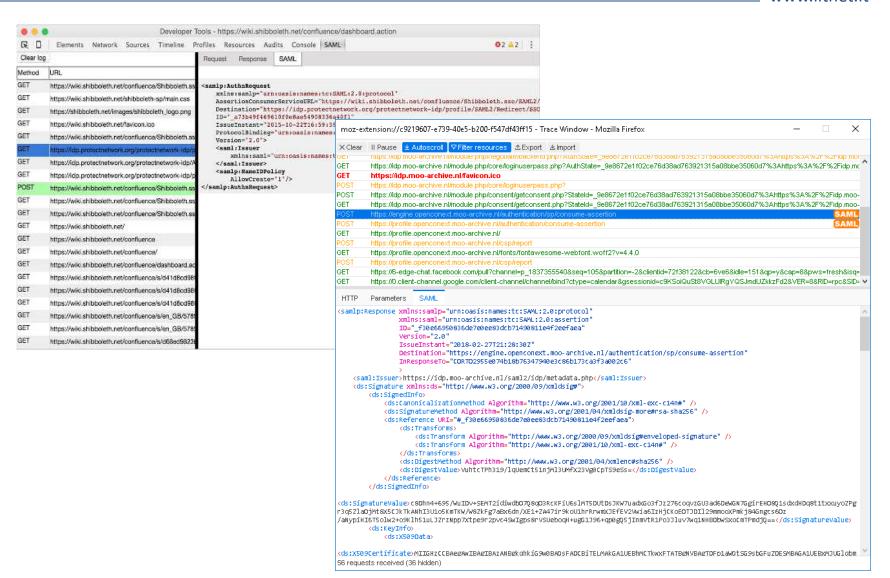








Trainings for IT admins





Keeping your federation healthy and stable

- https://technical.edugain.org/monitoring
- Zabbix for monitoring
- Warn your user institutions



Offer attractive services to users

- Filesender for large files transfer
- Nextcloud/Owncloud for storage, sync and share
- Moodle virtual learning environment
- Library resources
- Personal certificates
- SSOaaS
- IDMaaS
- laaS on Openstack
- CaaS on Kubernetes
- CERT services
- Other ideas welcome!



Be part of T&I community







GÉANT TF and SIG mailing lists https://lists.geant.org/sympa/lists



Thank you! Any questions?

Ieva Muraškienė

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