Identity providers role in building trustworthy AAI services

Introduction and background: Puhuri & MyAccessID

[LUMI](#) is a new world-class supercomputer, used for computational research across Europe. Puhuri services enables resource allocation and access to LUMI, while it leverages MyAccessID as an identity layer that connects eduGAIN and other required identity sources.

MyAccessID is operated by GEANT eduTEAMS. MyAccessID will also serve the Fenix HPC consortium and various resource providers, which are connected to these infrastructures. Eventually it will serve many HPC systems and other services.

If you want to read more about Puhuri and MyAccessID, please visit:
[Puhuri architecture and documentation site](#)
https://wiki.geant.org/display/MyAccessID/MyAccessID+Home

Upcoming changes for LUMI access - Level of Assurance from March 2023

Idp deadline: December 01th 2022

Identity providers should release the relevant Level of Assurance attributes by December 1th 2022.

User info: January 15th 2023

From January 15th 2023, users not meeting the Level of Assurance requirements will receive a message when logging in to Puhuri.

Cutoff date: March 01th 2023

From March 01th 2023, users that do not meet the Level of Assurance requirements will no longer have access to the service without external identity verification, causing extra work for the users and costs for the administration.

Level of assurance is important to ensure users' identity, and to avoid unauthorized use of resources and/or access to data. MyAccessID wants to be a trustworthy AAI service for services like LUMI.

The target is that, as of March 2023, all identities release Level of Assurance attributes based on [REFEDS Assurance Framework.](#)

The required assurance attributes for MyAccessID are:
https://refeds.org/assurance/ID/**UNIQUE**; or

https://refeds.org/assurance/ID/**eppn-unique-no-reassign**

https://refeds.org/assurance/IAP/**medium**; or

https://refeds.org/assurance/IAP/**high**

With the *MyAccessID test service* it is possible to verify that the required information is included: https://myaccessid.devtest.eduteams.org/

In the attachment is a support letter from director of LUMI EuroHPC supercomputer. However, this work will also benefit many other AAI communities such as Life Science AAI and its services related to sensitive human health data. Thus, this is not MyAccessID related as such since Idps are used in many other AAI services.

If you have any questions, please feel free to contact puhuri-aai-support@neic.no

We thank you for your collaboration!

Anders Sjöström, Puhuri Project Manager

TO WHOM IT MAY CONCERN

LUMI is the brand-new flagship supercomputer of the EuroHPC Joint Undertaking. It is operated by CSC – IT Center for Science Ltd in Finland, in co-operation with 9 other European countries. LUMI resources are available for all higher education and research institutions in 32 European Union and EU associated countries.

LUMI's resource and access management are enabled by Puhuri services. Puhuri leverages MyAccessID as an identity layer that connects eduGAIN and other required identity sources. MyAccessID is operated by GEANT eduTEAMS.

LUMI is currently the most powerful and advanced supercomputer in Europe, and third fastest world-wide. For this spotlight, on top of other considerations, the security risks and threats are pronounced. In the global political situation, it is evermore important that we can be trust the identity and background of LUMI users. Sufficient Level of Assurance is vital for ensuring users' identity, and for avoiding unauthorized use of resources and/or access to data.

Therefore, the LUMI research infrastructure strongly supports the efforts of Puhuri project to improve the Level of Assurance in Puhuri, and we kindly ask for your co-operation in this topic.

In Espoo July 1, 2022

Dr. Pekka Manninen

Director of LUMI
CSC – IT Center for Science Ltd

CSC
ICT Solutions for Brilliant Minds