

EGI-Engage JRA1.1 Authentication and Authorization Infrastructure

Nicolas Liampotis – GRNET

WP3 Meeting – 2017.07.26



www.egi.eu

EGI-Engage is co-funded by the Horizon 2020 Framework Programme
of the European Union under grant number 654142



- Explore approaches to **easier safe management of user credentials**
- Identify possibilities and requirements for user authentication against both **web and non web-based applications**.
- Identify **user registration and management requirements** from a VO perspective. **Engage with the CCs**, capture workflows and develop solution prototypes.
- **Explore current technical possibilities** and the usability of existing infrastructures covering identity management
- Develop **authentication solutions for use cases**
- Investigate **alternative identity-vetting approaches** to current practices
- **Liaise with other projects** focusing on AAI to share know-how and best practices.

Authentication and Authorisation Infrastructure

Task	JRA1.1	<p>“Provide viable methods for authentication and authorisation (AA) in the EGI ecosystem, addressing current shortcomings”</p>			
Start	M3 (May)				
End	M27				
Total PMs	24.5				
Partner	EGI.eu	CESNET	GRNET	NIKHEF	STFC
PM	7.5	4	7	4	2

Month	Milestone - Deliverable	Title
M16 Aug-2016	M3.4	Pilot services and best practices to enable federated AAI solutions released
M24 Feb-2017	D3.9	Identity Management for Distributed User Communities report

#	Task name	Start date	Release date
1.1	Identification of and liaison with stakeholders <ul style="list-style-type: none"> • WP3 F2F and EGI Conference ✓ • Liaise with AARC ✓ • Connections with GN4, EUDAT2020 and PRACE ✓ • Identification of initial set of tools ✓ 	05/2015 (PM3)	06/2015 (PM4)
1.2	Requirements capturing <ul style="list-style-type: none"> • Use FIM4R as the starting point and align with AARC DJRA1.1 ✓ • Identify the most important use cases (CC) ✓ • Technical guidelines for enabling federated access in the initial set of tools ✓ 	05/2015 (PM3)	08/2015 (PM6)
1.3	Technical architecture and pilot implementation <u>Phase 1:</u> <ul style="list-style-type: none"> • Which AA services are needed ✓ • Design of the AAI Pilot Architecture ✓ • Pilot implementation Roadmap ✓ • Collaboration with the AAI pilot and the user portal activity for the LTOS ✓ • Pilot: Connection of the first set of EGI tools to the EGI IdP proxy ✓ <u>Phase 2:</u> <ul style="list-style-type: none"> • Expansion to EGI Tools and selected CCs ✓ • Interaction with SA2 (Training & User support) ✓ <u>Phase 3:</u> <ul style="list-style-type: none"> • Technology reassessment ✓ • Pilot services and best practices to enable federated AAI solutions released <u>Phase 4:</u> <ul style="list-style-type: none"> • Architecture and solution for the production EGI AAI services • Identity Management for Distributed User Communities report ✓ 	09/2015 (PM7)	12/2015 (PM10) 04/2016 (PM14) 07/2016 (PM17) 02/2017 (PM24)

AAI “CheckIn” - Development Status

- Provisioning of VOMS information through SAML/OIDC interfaces - **DONE**
- Translation of VO information into VOMS proxies - **In Progress**
- Self-service web UI for managing OIDC/Oauth2 tokens - **In Progress**
- Web UI harmonisation & customisation - **In Progress**

AAI “CheckIn” - Development Status

Token UI sneak peek

[Home](#) / [Manage Active Tokens](#)

 Refresh



Test Client

Client No.1 for Testing

 Delete

▼ More Info

Refresh Token

eyJhbGciOiJub25lbn0.eyJleHA

 Copy

 Revoke

Permissions: read your user identifier, read your email address, read your basic profile info, access your info while not being logged in

Expire: 07/26/2018

▼ access tokens

Access Token

eyJraWQiOiJyc2ExliwiYWxnIj

 Copy

 Revoke

Permissions: read your user identifier, read your email address, read your basic profile info, access your info while not being logged in

Issued: Today at 10:16 AM

Expire: Today at 11:16 AM

Refresh Token

eyJhbGciOiJub25lbn0.eyJleHA

 Copy

 Revoke

Permissions: read your user identifier, read your email address, access your info while not being logged in, read your basic profile info

Expire: 07/26/2018

▶ access tokens



Test Client 2

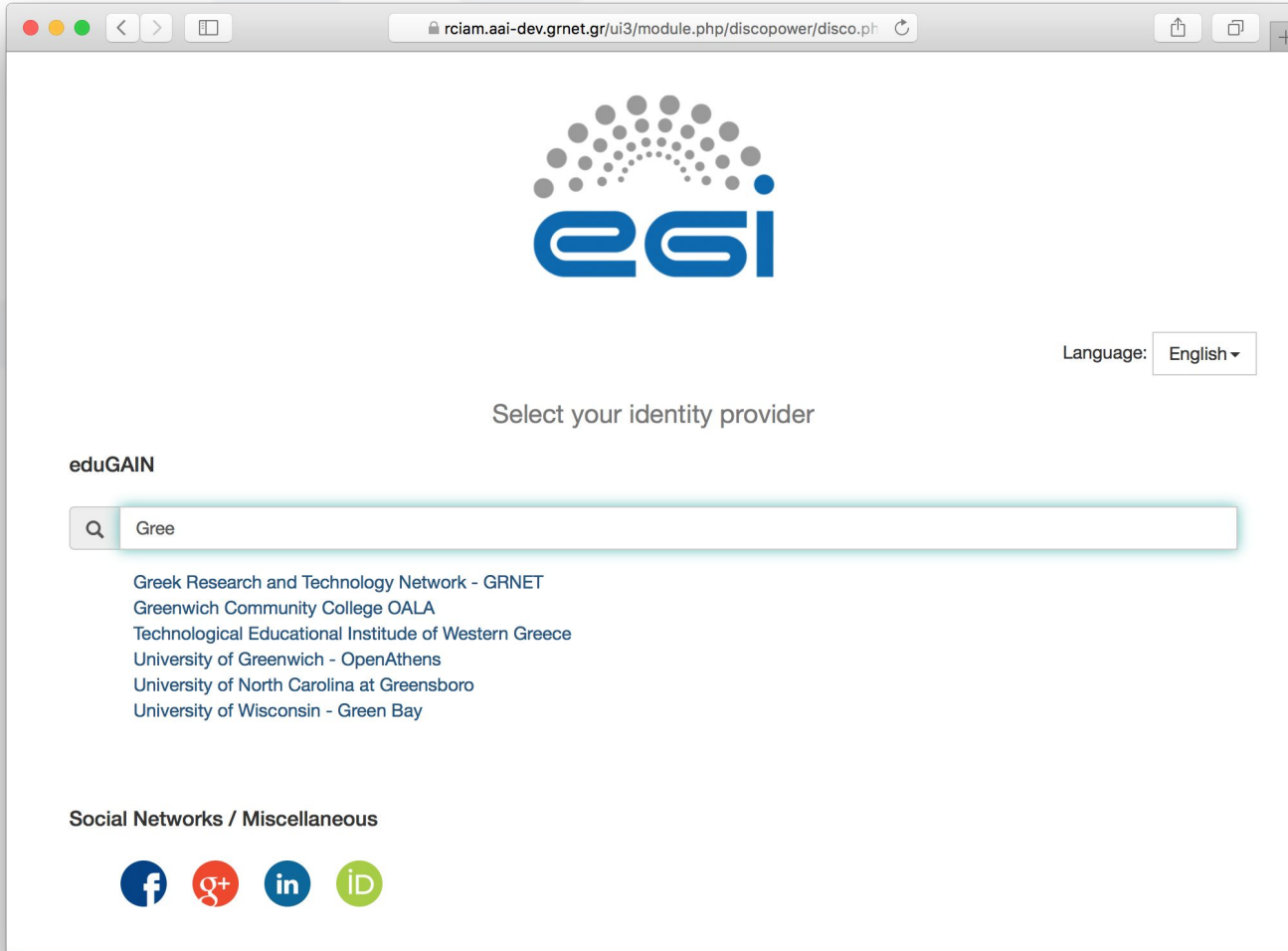
Client No.2 for Testing

 Delete

▶ More Info

AAI “CheckIn” - Development Status

Updated web UI sneak peek



The screenshot shows a web browser window with the URL `rciam.aai-dev.grnet.gr/ui3/module.php/discopower/disco.ph`. The page features the ESI logo at the top center. On the right side, there is a language selection dropdown menu set to "English". Below the logo, the text "Select your identity provider" is displayed. Under the heading "eduGAIN", there is a search bar containing the text "Gree". Below the search bar, a list of identity providers is shown:

- Greek Research and Technology Network - GRNET
- Greenwich Community College OALA
- Technological Educational Institute of Western Greece
- University of Greenwich - OpenAthens
- University of North Carolina at Greensboro
- University of Wisconsin - Green Bay

At the bottom of the page, under the heading "Social Networks / Miscellaneous", there are four social media icons: Facebook, Google+, LinkedIn, and iD.

AAI “CheckIn” - Integration Status

- Operations Portal SP - **IN PROGRESS**
- LToS (SP+AA) - **DONE (devel)** (Unity IDM → CheckIn AA)
- FedCloud SP - **IN PROGRESS**
- AppDB VMOps Dashboard
 - Training, LToS VO - **DONE**
 - FedCloud VO - **DONE**
 - EDISON VO - **IN PROGRESS**
- Argo monitoring probes - **IN PROGRESS**

Thank you for your attention.

Questions?



www.egi.eu

This work by Parties of the EGI-Engage Consortium is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).

