AARC2 SA1 (Pilots) Update @ DI4R

Authentication and Authorisation for Research and Collaboration

Arnout Terpstra
SA1 Activity Lead
SURFnet

DI4R, Brussels
30 November 2017
We test **existing AAI components** to assess to what extent they meet:

- Functional requirements
- Technical (AAI integration) requirements
- Required “readiness” levels

Why we run pilots?

- Running pilots is inevitable to get a good sense of these aspects
- While running pilots, new clues and ideas arise
- Where possible improve components and ease deployability
- **Increase visibility of useful AAI components for R&E**
Approach and status of the pilot activity, “Stitching the pieces together”

Pilots guided by AARC JRA1/NA3 deliverables
Types of pilots

- To expand the reach of federated access
- To test components in production infrastructures
- To test cross infrastructure scenarios
Research Communities in SA1.1

• LIGO - Physics: Gravitational waves

• CTA - Physics: Astronomy

• EPOS - Earth Science

• LifeWatch - Life Sciences

• WLCG - Physics: HEP

• EISCAT_3D - Physics: Atmospheric physics

• CORBEL - Life Sciences / BioInformatics
Research Communities in SA1

- LIGO - Physics: Gravitational waves
- CTA - Physics: Astronomy
- EPOS - Earth Science
- LifeWatch - Life Sciences
- WLCG - Physics: HEP
- EISCAT-3D - Physics: Atmospheric physics
- HelixNebula - Hybrid Cloud infrastructure
- CORBEL - Life Sciences / BioInformatics
Current Situation

CTA (1/2)
### Communities Pilots Schedule

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<td>August 1, 2017</td>
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*Notes:*
- Today is marked with a vertical line.
- The schedule includes key dates for different communities and pilots.
e-Infrastructure Providers and interoperability pilots in SA1

- EGI
- EUDAT
- PRACE
- GÉANT
- DARIAH

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EGI-EUDAT (1/2)

• Full interoperability between EGI Check-in and EUDAT B2ACCESS
  • User communities already integrated in one infrastructure should be able to use services from the other infrastructure in an almost transparent way

• Define and implement a workflow to exchange authentication and authorization information between EGI and EUDAT (both ways)
  • Identity information, LOA information
  • Group information
EGI-EUDAT (2/2)

End of 2017

Q1 2018

Rest of 2018

Implement the group representation fulfilling the AARC recommendation

Implement the LOA profiles as per AAI Alignment document

Finalize the RC Auth integration

Define a workflow to exchange authentication and authorization information

Implement and demonstrate the workflow between CheckIn and B2ACCESS

Outreach to the communities interested in EGI/EUDAT services and implement validators with scientific use cases
Advanced use case: CORBEL / Life Sciences pilot

- Phase 1 of the pilot to complete 31st of Jan 2018
  - Key pilot components operational
  - 3 first relying services from the research infrastructures integrated to the pilot
- Two main milestones:
  - M1 (22nd Dec 2017) : Test environment ready, connections between SB proxies and NB proxies and PERUN, using dummies SPs and IdPs
  - M2 (end Jan 2018 ): Pilot available for LS. Connect real IdPs and 3 LS SPs.
- Pilot started on 24th Nov 2017
Thank you

Any Questions?

arnout.terpstra@surfnet.nl

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The work leading to these results has received funding from the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No. 730041 (AARC2).