WP6 Update

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WP6 Objectives

Provide enabling recommendations for the federated/distributed service provisioning of the ESCD and SCS
Tasks:

- T6.1: AAI recommendations for effective service provisioning in the ESDC and interoperability with existing e-infrastructures

- T6.2: recommendations for the operational architecture for the support of the ESDC network

- T6.3: recommendations for the tools and services that enable the federation

WP milestones:
- Recomendations on AAI architecture (PM24)
- Federated AAI proof of concept results (PM36)
- SRC federated service management recommendations (PM36)

WP6 Status

- All the participants are contributing to the work
  - INAF GEANT LTD EGI.eu GRNET FOM
  - No current staff issues
- Monthly calls to synch among tasks and contributors
- Issue: Still small presence in the AENEAS wiki

AAI, Task 1

Information gathering

- A number of past initiatives performed similar activities:
  - Collect AAI requirements from research communities
  - Identify the main topics and requirements relevant in the research communities
  - Provide AAI-related recommendations
- Sources of information: FIM4R, REFEDS, AARC
- Previous experience in the astronomy community: CTA, IVOA, …

Survey

- Two set of questions addressed to different audiences:
  - Resource providers (HPC, Cloud, and more)
  - End users (researchers)
- Questions:
  - What are the services that require authorization?
  - Do you have/enable access to the identity federations?
  - What are your requirements for user authentication and authorization?

# Answers are being submitted ☺

From the users..

Which services that require authentication are you using in your daily research activities and what interface do you use to access these services?

114 responses

Is your institute offering a federated authentication system?

113 responses

- Astronomical ar...
- Computing or st...
- Access to IT ser...
- Other Interfaces
- Web applications
- Desktop applica...
- REST API Client
- Shell access or...

66.4%

12.4%

15%
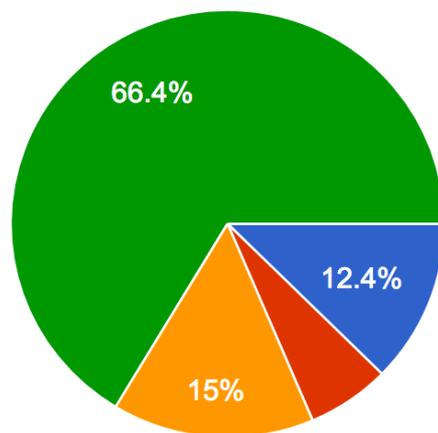
- 🔵 Yes, I have access to an IdP provided by my home institute, but I do not know if it is federated in eduGAIN
- 🔴 Yes, I have access to an IdP provided by my home institute, and it is part of a national federation and in eduGAIN
- 🟠 No
- 🟢 I don't know

Federated operations T6.1 and T6.2

Federated operations

Service
discovery
Helpdesk
…

Federated operations aim at enabling consistent quality for the service delivery across the distributed providers

Data services
Compute services
…

Federated service management

EDSC
Coordination

EDSC
Centre

EDSC
Centre

Service discovery

- T6.2 started on collecting information and best practices on the definition of an EDSC (or more generically SRC) service portfolio
  - How are services defined
  - Who is providing the services, how can researchers request access to the services
  - What are the requirements to define and advertise a service as production
  - What the services will be is a task for the other WPs ☺

Tools for federated operations

- Most of the operations processes need automated tools to support the activities
  - Examples are: Helpdesk, Monitoring and Service Discovery
  - The services need to support deployments for a distributed/federated environment
- Started with monitoring:
  - Collecting the requirements/features of a monitoring framework that can support the ESDC, but also the services provided by other e-Infrastructures
  - Collecting information about the existing solutions, for example the solution adopted by EGI and by other e-infrastructures

Future work

- T6.1
  - Once the survey is closed, complete the analysis of the data
  - Map the requirements to the available capabilities
    - Compare the results with the previous surveys available on AAI
- T6.2
  - Continue the development of the federated operations processes
  - Apply them to the services recommended by the other WPs
- T6.3
  - Complete the monitoring tools overview, and expand the recommendations with other tools: helpdesk and service discovery (and more)
  - Long term: develop proof of concepts for (at least a subset) of these operations tools

Thanks for your attention!

- Questions?