A&A in CTA

The AARC2 Community Engagement Forum

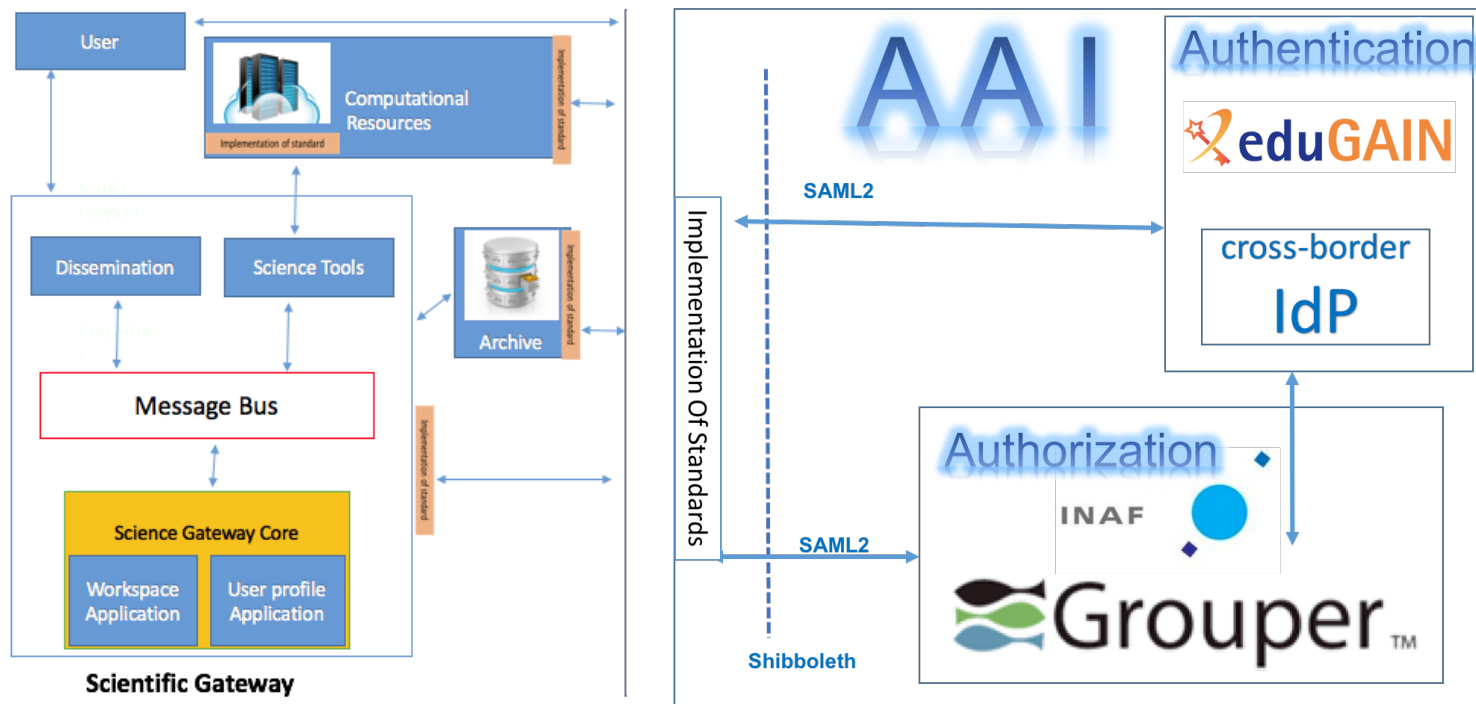Alessandro Costa
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INAF OACT

Overview

- INAF-CTA A&A Architecture

- CTA Proposal Handling Integration
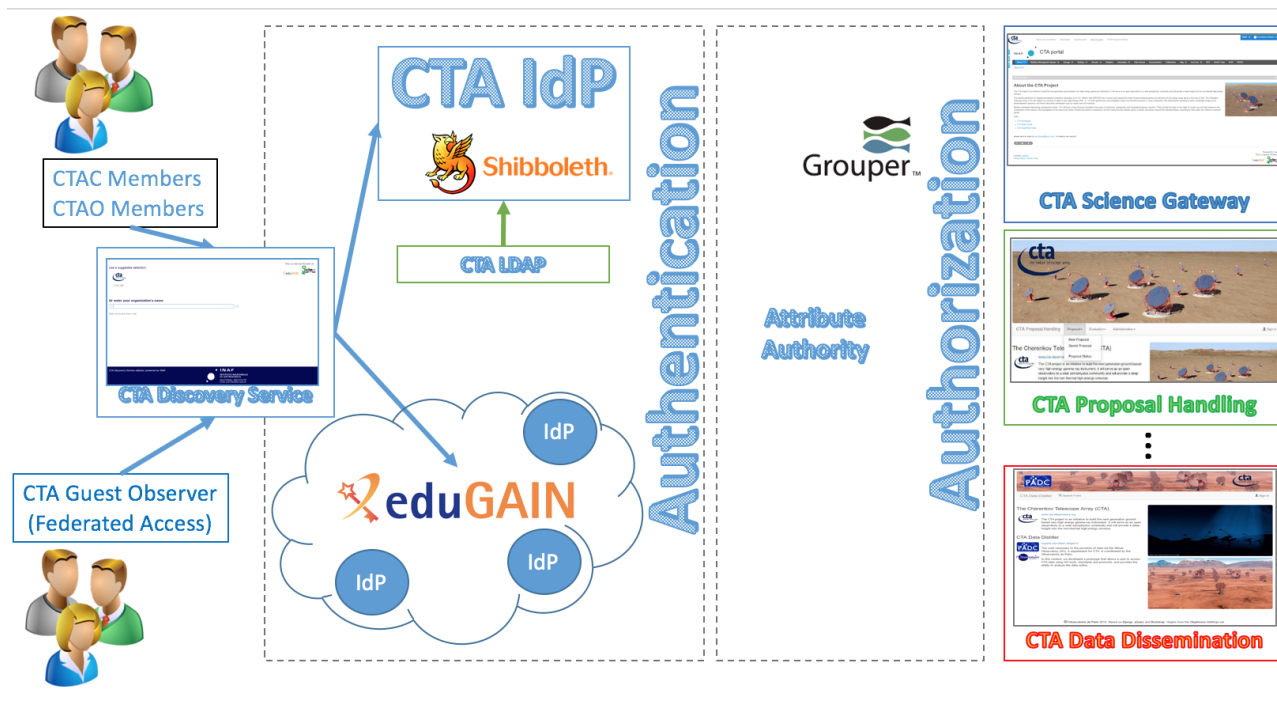
- AARC2: The Community Engagement Forum

INAF-CTA A&A Architecture

- The CTA AAI provides
  - functionalities enforcing the protection of CTA resources and digital assets
- by means of a role based authorization
- allowing a federated authentication
  - based on eduGAIN inter-federation, or a centralized CTA SAML authentication service

INAF-CTA A&A Architecture

- An attribute authority is also provided in order to allow a role based authorization based on a set of attributes managed and agreed at consortium level.
- The current implementation of the INAF-CTA Authentication and Authorization Infrastructure provisions **more than 1000 consortium SAML identities** and is releasing a persistent and non-reassignable ID as requested by CTA user requirements
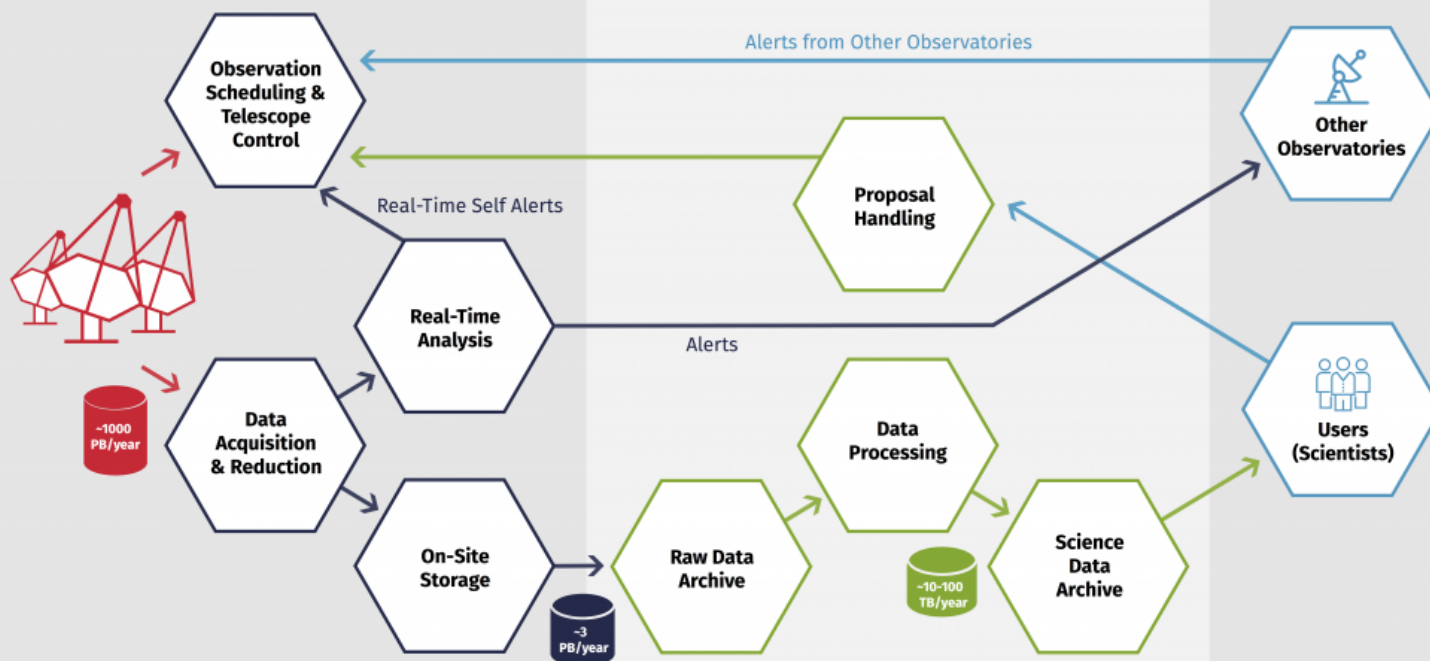
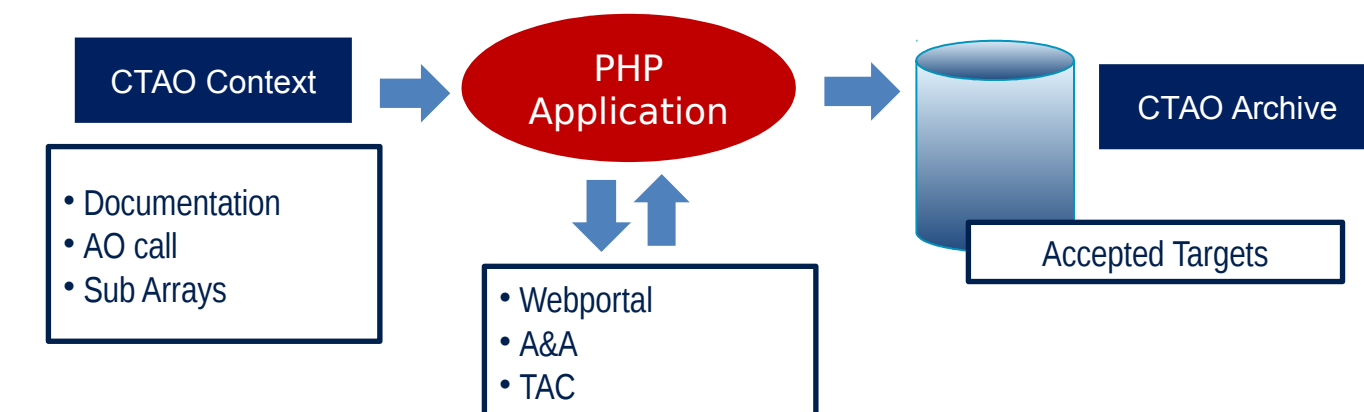# CTA Proposal Handing Integration with the Authentication System

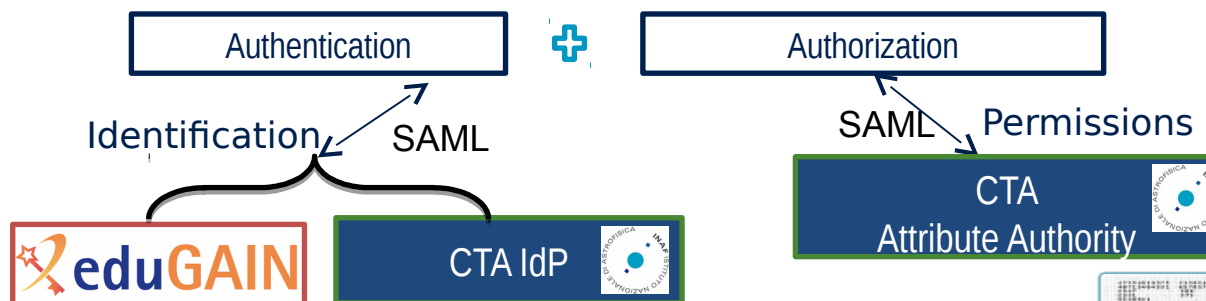

CTA Guest Observer Programme:

Users can obtain access to proprietary observation time, submitting proposals in response to Announcements of Opportunity (**AOs**).

CTA Proposal Handing Integration with the Authentication System

T.T. Nguyen, M. Detournay, B. Khelifi

CTA Proposal Handing Integration with the Authentication System

• Shibboleth is setup on the PHP server
• PHP and INAF servers are configured to communicate with each other
• Use of Shibboleth Django module for the PHP: https://github.com/sorrison/django-shibboleth (some patch were needed).
• This module registers and logins users coming from shibboleth Identity Provider.

Login with Django Shib module

PHP Application

Identity Provider

Redirection

T.T. Nguyen, M. Detournay, B. Khelifi

Integration with the Attribute Authority

- No setup is needed, only Python Libraries for HTTPs request:
  - urllib2 (opening URLs)
- Python requests contain two parts:
  - URL
  - Data
- Data is in JSON format. It must contain an *action* with appropriate *information*
  - Action = Create/Delete Proposal, Roles (PI, CO-I...)
  - Information = Proposal ID, User...
- We developed methods to adapt Python Request

Grouper web GUI
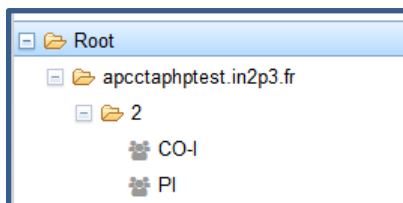
T.T. Nguyen, M. Detournay, B. Khelifi

AARC2 Community Engagement Forum

- AARC2 is including 8 research-community use-cases and their corresponding pilot projects
  - CTA is one of them

- AARC2 **Community Engagement Forum** showcases the results for other research collaborations.
  - Lower the threshold of adoption among different research collaborations.
  - Raise the awareness of achievements making them become a shared knowledge.

- The role of the Community Engagement forum is to engage with the research communities, including those not participating in AARC2.

AARC2 Community Engagement Forum

- Research communities that participate in the Community Engagement Forum meet within the **FIM4R** (Federated Identity Management For Research) group, which provides a central reference point.

- In this way, AARC also supports and promotes FIM4R, making a win-win for the continuous engagement of everyone concerned.

AARC2 Community Engagement Forum

- Provide feedback on AARC developments in policies, architectures and technical pilots;
- Alert AARC to new requirements;
- Receive information about AARC developments and opportunities to participate in pilots and training.

AARC2

Community Engagement

Research Communities represented in ASTERICS