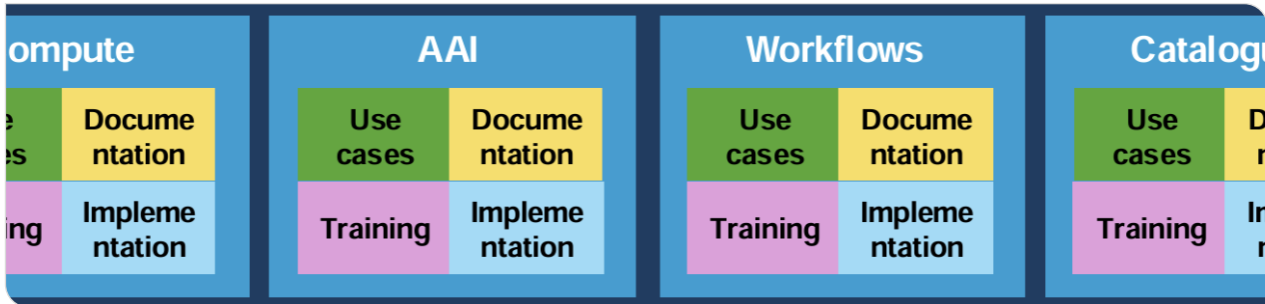


AAI Component

PUNCH 2.0 proposal preparation - 4th meeting

Benoit Roland (KIT), Kilian Schwarz (DESY) | 14th April 2025



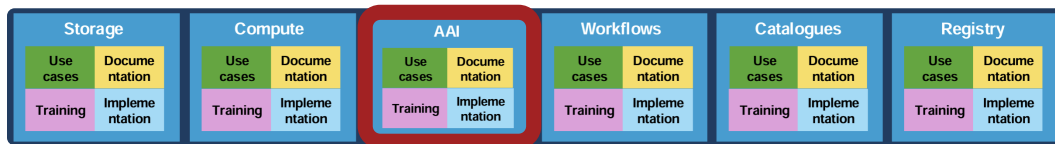
AAI Component: Accomplished in PUNCH 1.0

- AAI with group-based (local) and scope-based (central) authorisation
 - Reduced permissions via filtering
 - Storage scopes
- Compute scopes for remote job submission
- Harmonisation of storage elements
 - Names
 - Directory structure

AAI Component: Content of the box

PUNCH Authentication and Authorisation Infrastructure (PUNCH AAI)

- **Unified access** to PUNCH login nodes, compute resources and storage elements
- **OIDC token-based**
- AAI (Helmholtz and/or Indigo) in production with **policy engine fulfilling all the needs of PUNCH**
- **Mytoken service** for access token renewal



PUNCH 1.0

Content

Deliverables

Resources

Institutions

Community coverage

Gap analysis

AAI Component: 3 main deliverables

■ 1. Consolidation and Interoperability of the PUNCH AAI infrastructure

- User friendly AAI interaction for admins (APIs) and users / Potential adjustments of client tools
- Increase security via Two-Factor Authentication
- Embedding into interoperable NFDI AAI infrastructure

■ 2. Support infrastructure, existing and new use cases with respect to their AAI needs

- Training / PUNCH and non-PUNCH members / Multiple client instances

■ 3. Extension to new services and infrastructures

- Federated to local mapping or extended rights for federated accounts (external VO members)
- Interconnection with established services

AAI Component: Approximative resource requirements

- 2 FTE for the entire period
- 15 kEuro for the external development requests

AAI Component: Involved institutions

- Bonn, DESY, KIT, FZJ, HIFIS (external member), ...

AAI Component: Community coverage

- Aim to avoid leaving any community behind via continuous support
- Address missing use cases and related developments via Incubator projects (IAM4NFDI)

AAI Component: Gap analysis

- Ensure gap analysis via a cross-check by external members?