INFED

Indian Access Management Federation for Off-campus Access to E-resources

https://parichay.inflibnet.ac.in/

WAYF

Metadata

Shibboleth
INFED

Institutions

Rules

Information and Library Network Centre
Gandhinagar, Gujarat

INFLIBNET

Most publishers use IP filtering as that standard for authenticating authorized users in subscribing institutions and proving access to e-resources to them. While IP-based access is most convenient, safe and hassle-free authentication mechanism for publishers as well as for subscribing institutions, it has its limitations. One of the most serious limitation of IP-filtered access to e-resources is that the users can access e-resources only when they are on the Institute campus. Ideally, an authorized user should be able to access e-resources irrespective of his / her physical location at any time as long as he has access to the Internet.

In order to overcome this limitation, the Indian Access Management Federation (INFED) has adopted Shibboleth, a standard-based open source software, for authenticating authorized users from colleges and universities and provide them seamless access to e-resources from anywhere, anytime. Shibboleth offers a mechanism for users to access multiple resources within federated single sign-on framework. The goal of the INFED is to allow users to access internal and external resources seamlessly using a single, institutionally controlled identity. This not only allows authorized users to access e-resources from anywhere, anytime but also circumvent the requirement of maintaining multiple passwords for multiple resources in multiple domains.

INFED Infrastructure

- ☑ Discovery Service
  - Resilient WAYF
- ☑ Hosting of metadata
  - Describes the Federation
- ☑ Monitoring of SPs and IdPs
- ☑ Test environment
- ☑ Federation web site (https://parichay.inflibnet.ac.in)

Benefits for Users

- ☑ Federation web site (https://parichay.inflibnet.ac.in)
- ☑ Minimal disclosure of identity
- ☑ Personal data kept between you and your home organisation
- ☑ Publishers can tailor services better
- ☑ (At least) one / less password to remember

Benefits for Identity providers/Institutions (IdPs)

- ☑ Better service offered to users
- ☑ Uses existing access management systems
- ☑ Can use same access control for all resources
  - Both internal and external
- ☑ Fewer credentials should mean fewer support problems

Benefits for E-resource Service providers (SPS)

- ☑ Typical SPs are publishers, etc.
- ☑ No need to store user credentials or entitlements
  - Authentication is performed by the IdP
  - Can authorise per institution, role, and/or entitlement

- ☑ Reduced user support requirements
- ☑ Reduced compliance burden
  - • Less storage/processing of personal data
- ☑ Accurate implementation of licence conditions
- ☑ Users take better care of credentials
- ☑ Organisations take better care of assertions

Benefits for the Community

- ☑ Provides consistency across the whole of education for federated (distributed) authentication and authorisation
- ☑ Improves the user experience
- ☑ Pooling of experience and expertise

Eligibility for Membership

The INFED currently has the following four classes of participants are eligible to join the federation. All institutions have to apply for the membership of INFED on prescribed application form:

I. **Universities & CFTIs:** All Govt. / Govt.-aided universities covered under Section 12(B) and 2(F) Section of the UGC Act, 1956 and all Inter-University Centre (IUCs) of the UGC, IITs, IISc, IISERs, NITs etc. that are eligible to get access to e-resources through the e-ShodhSindhu Consortium are eligible to participate in the INFED.

ii. **Colleges:** All Govt. / Govt.-aided colleges covered under 12(B) and 2(F) Section of the UGC Act, 1956 that are having access to e-resources through the National Library and Information Infrastructure for Scholarly Content (N-LIST) are already included in INFED.

iii. **Private Universities / Colleges and Other Institutions:** The Federation may allow private universities, private colleges and other organizations to participate after obtaining approval from competent authority.

iv. **Publishers:** All publishers providing access to e-resources under the e-Shodh Sindhu Consortium or NLIST Programme are can be member of the INFED. However it is open to everyone to be a part of INFED.

## Submission of Application and Fee details

Please visit: https://parichay.inflibnet.ac.in/memberships.html

Role of Federations

1. Define agreements, rules, and policies
2. Provide some user support (documentation, email list, etc.)
3. Operate a central discovery service and test infrastructure
4. Guidance and advice to IdPs & SPs,
5. Configuration guides, Training courses and Online training material
6. Workshops to help organisations join the INFED

Optional

1. Provide self-service tools for managing IdP and SP data
2. Install IdPs and SPs for members

3. Provide application integration support
4. Host or help with outsourced IdPs and provide tools for managing "guest" users
5. Develop custom tools for the community
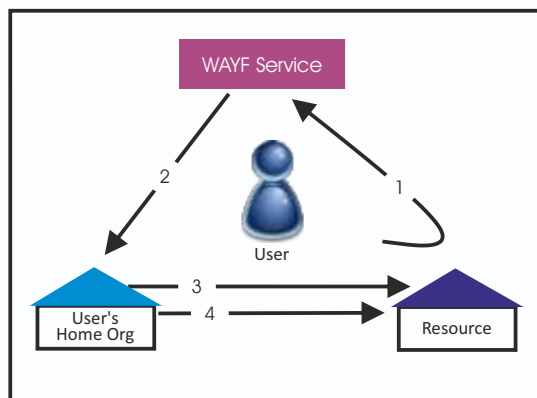
Discovery Services (Where Are You From)

Authentication and Authorization Infrastructure (AAI)
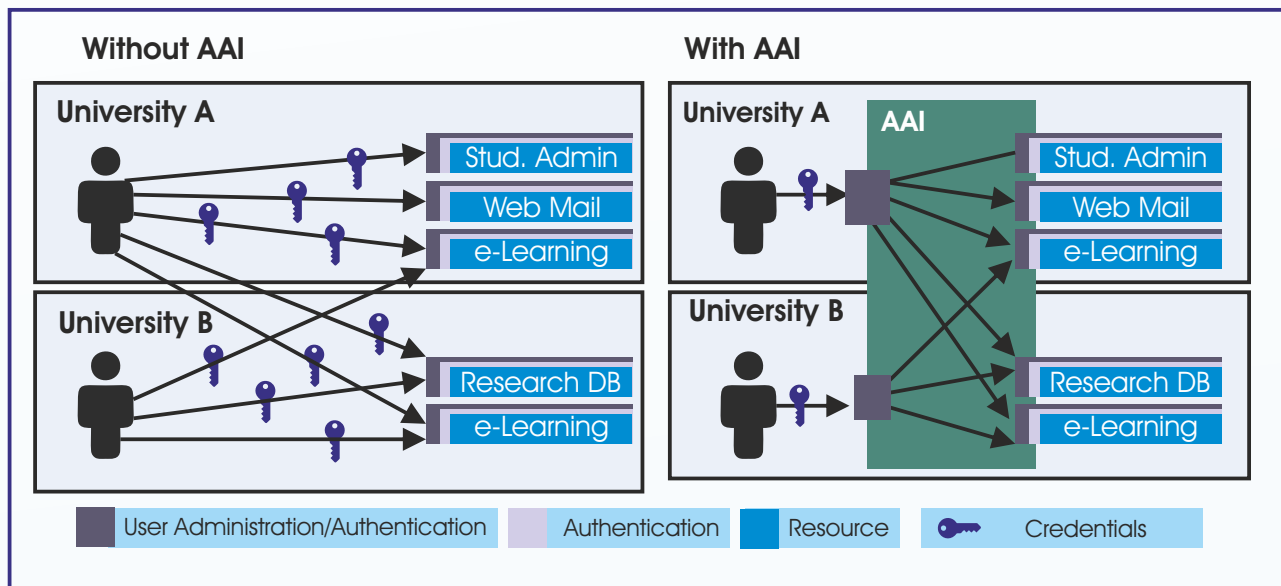
Note: Some content adopted from UK & SWITCH Federation

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