EGI Check-in service
Secure and user-friendly federated authentication and authorisation
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Check-in provides a reliable and interoperable AAI solution that can be used as a service for third parties.

Check-in enables single sign-on to services through eduGAIN and other identity providers. Users without institutional accounts can access services through social media or other external accounts, including Google, Facebook, LinkedIn or ORCID.

Secure
operates under the strict security policies of the EGI federation

Simple
hides the complexity of dealing with multiple authentication providers and sources of authorisation information

Low overhead
lowers the bureaucratic burden of integrating multiple identity providers and attribute authorities

Interoperable
implements the AARC blueprint architecture and is compliant with eduGAIN, REFEDS RnS and Sirtfi policies

Polyglot
translates SAML 2.0, OpenID Connect, OAuth 2.0 and X.509 credentials
Check-in for service providers

Check-in acts as an identity provider proxy. Service providers can configure it as a normal SAML or Open ID Connect identity provider and let Check-in handle external identity providers. Check-in will provide all the required authentication and authorisation information to service providers in a single assertion.

**Advantages for EGI service providers**

- Access to the entire eduGAIN identity provider federation
- Automatically become available to new identity providers as they are progressively configured in Check-in
- Be able to link between accounts
- Have all required information to handle user authentication and authorisation including: EGI UID, GOCDB roles, Virtual Organisation/group membership information, Level of Assurance, X.509 certificate DN if associated to the other identities

**Advantages for external service providers**

Non-EGI service providers can benefit from Check-in as well. Both SAML- and OpenID Connect-based services can be integrated with Check-in with very little effort to enable users to authenticate with their own credentials.

As an authentication service Check-in will:

- Enable eduGAIN identity providers
- Enable social media credentials
- Enable X.509 certificate credentials
- Enable users to link their accounts
Check-in for research communities

Sets up an AAI from scratch

Authentication

*Check-in accepts federated identity credentials to enable users to re-use institutional log-ins*

> IdP/SP proxy to aggregate authentication information from multiple sources, including eduGAIN IdPs, social media credentials, and ad-hoc configured IdPs upon request

Authorisation

*Check-in manages group membership information according to services*

> Built-in group management tools to create and manage a Virtual Organisation (VO) and subgroups, add and remove users, and manage user consent and the VO acceptable usage policy

Improves existing AAI tools

A community who already operates a group management tool does not need to change any of their workflows to be interoperable with Check-in.

Check-in can play different roles based on the requirements of the community:

> Use it as an identity provider proxy to enable federated access to the community group management tool

> Integrate it with the group management tool of the community to implement community-based authorisation in the EGI services
Contacts

Website:

https://www.egi.eu
http://go.egi.eu/checkin

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