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Installation Check-in

EGI-ACE WP6

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GRNET



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Installation Check-in

Introduction

Name	Check-in
Description	Identity and Access Management solution that makes it easy to secure access to services and resources
User group	Researchers, Community/VO Managers, Operations Managers for research infrastructures/collaborations
Features	Multi-protocol authentication & authorization support (OpenID Connect, OAuth2, SAML2); User identity management; Community/group & role management; Access management
Integrations with EGI infrastructure	Perun; AppDB portal; Applications on Demand; Datahub; FedCloud; Helpdesk; Marketplace; Operations portal; Configuration database; ARGO Availability and Reliability Monitoring portal; Accounting portal; Collaboration tools (EGI SSO as an IdP for Check-in and Mailing list management – mailman)
Entry in the EGI Catalogue (www.egi.eu)	https://www.egi.eu/services/check-in/
Entry in the EOSC Portal	https://marketplace.eosc-portal.eu/services/egi-check-in

- *Supports different authentications providers, incl. eduGAIN, social media, ORCID, community-managed identity providers*
 - *Minimises the number of accounts users have to manage*
 - *Reduces complexity and security risks*
- *Enables access to multiple heterogeneous (web and non-web) services and resources offered by different infrastructures*
- *Allows a researcher to link multiple identities together (e.g. institutional & social) for accessing resources*
- *Enables authorised access based on attributes (e.g. user groups, roles, affiliation) and capabilities managed by the user's Home IdP and/or the Research Community*
- *Compliant with AARC Blueprint Architecture for interoperability with the AAls of other infrastructures*

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Roadmap

Activity	Responsible person/Partner	Description	Start Date (MM/YY)	End Date (MM/YY)
<i>Extend cryptographic support for connected Identity Providers</i>	GRNET	Upgrade/patch SimpleSAMLphp to add support for AES-GCM encrypted attribute assertions released by Shibboleth v4 based Identity Providers	01/21	02/21
<i>Improve user registration</i>	GRNET	Allow users to re-send email verification links for completing registration process	01/21	02/21
<i>Integrate with DIRAC</i>	GRNET	Support users with Personal IGTF Classic/MICS X509 certificates	01/21	03/21
<i>Integrate with DIRAC</i>	GRNET	Support users with IOTA X509 certificates issued by RCauth Online CA	02/21	05/21

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Activity	Responsible person/Partner	Description	Start Date (MM/YY)	End Date (MM/YY)
<i>Improve Service Provider integration process</i>	GRNET	Manage connection of Service Providers (de-registration/reconfiguration) via Federation Registry Tool	01/21	03/21
<i>Update Privacy Policy</i>	EGI Foundation	Compliance with GEANT Data Protection Code of Conduct v1 and/or any other code of conduct compatible with legislation and guidelines on data protection and privacy including GDPR	01/21	03/21
<i>Improve identity linking user experience and interface</i>	GRNET	<ul style="list-style-type: none"> - Improve linked identities panel to include friendly IdP name and logo - Support implicit identity linking 	02/21	04/21

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Activity	Responsible person/Partner	Description	Start Date (MM/YY)	End Date (MM/YY)
<i>Extend usage statistics</i>	GRNET	Add support for geographic/country statistics for user logins, community/VOs, service access	01/21	03/21
<i>Support (de)provisioning</i>	GRNET/CESNET	Continuous update of: <ul style="list-style-type: none"> - X509 certificate information with Perun - Identity and VO/group/role information with FedCloud providers 	02/21	06/21
<i>Improve onboarding of VOs via Community AAls</i>	GRNET	Streamline the process for enabling resource access to communities/VOs managed by Community AAls	03/21	09/21

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Activity	Responsible person/Partner	Description	Start Date (MM/YY)	End Date (MM/YY)
<i>Improve Check-in/VO membership lifecycle management</i>	GRNET	<ul style="list-style-type: none"> - Periodic renewal of linked identities - VO/group expiration policies 	06/21	12/21
<i>Support AEGIS guidelines</i>	GRNET	<ul style="list-style-type: none"> - Attribute Profile (AARC-G056) - Affiliation (AARC-G025, AARC-G057) - Hinting (AARC-G061) - OAuth2 token validation across infrastructures (AARC-G052) - Assurance (REFEDS Assurance Framework, AARC-G021, AARC-G031) 	03/21	12/21

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Activity	Responsible person/Partner	Description	Start Date (MM/YY)	End Date (MM/YY)
<i>Improve integration with Operations Portal</i>	GRNET	Sync VO information (e.g. AUP, VO managers)	01/22	12/22
<i>Support for stronger authentication</i>	GRNET	Support two-factor authentication and/or WebAuthN	9/21	03/22
<i>Keycloak-ready</i>	GRNET/INFN	Ready to migrate to Keycloak for IdP/SP Proxy, User & VO/Group Membership Registry functionality	01/01	03/23

- *Interested new communities*
 - *EISCAT*
 - *OPERAS-P*
 - *TRIPLE*
 - *EOSC Synergy*
 - *PolicyCloud*
 - *PaNoSC*
 - *ExPaNDS*