

APGrid PMA Update

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62nd EUGridPMA Meeting September 23, 2024

General Status

- Chair and Vice Chair (2024.01-2025.12)
 - Chair: Eisaku Sakane (HPCI CA, Japan)
 - Vice Chair: Sai Prasad (eMudhra)
- Routine Gathering
 - Spring: usually held together with ISGC in Taiwan
 - Autumn: Collocated with e-Science or APAN routine events
 - Virtual meeting will be arranged upon request or whenever there is any issue inbetween F2F meetings
- Self Auditing Report: Once a year for each member CA
- Regional Catch-All CA: ASGCCA, now supporting users through local RAs in ID, IN, MN, MY, LK, NZ, PH, TH, VN

СА	ccTLD	Last Self Audit	#valid Cert	IPv6	Prod. eduGAIN SP	Main User Community
ASGC CA	тw	Mar. 2024	110, 186, 17	Y		ATLAS, CMS, e-Science
AusCert	AU			Y	AAF	ATLAS
CNIC CA	CN	Aug. 2015	1		CARSI (480+ entities)	
SDG CA	СN	Aug. 2015	0			
HPCI CA	JP	Aug. 2023	206, 109/264	Y	GakuNin/NII	НРС
IGCA	IN	Mar. 2018	38, 12		INFED/INFLIBNET	CMS
IHEP CA	CN	Mar. 2021	123, 125, (27)	Y	CARSI (480+ entities)	WLCG, Belle II, BES III, CEPC, JUNO
KEK CA	JP	Aug. 2023	140, 168	Y	GakuNin/NII	Belle II, ATLAS,ALICE, ILC, Muon g2
KISTI CA	KR	Aug. 2023	24, 30, 3	N	KAFE/KISTI	ALICE
eMudhra	СОМ					From Sep 2023
Retired CA (8)	AIST CA (JP), APAC CA (AU), MYIFAM CA (MY), NCHC CA (TW), NECTEC CA (TH), NAREGI CA (JP), PRAGMA CA (US), HKU CA (CN)					

From Previous APGridPMA Meeting in March

- Moving towards new AAI according to user communities or resource federation infrastructure
 - HPCI Japan: start operation on a token-based AAI based on OAuth-SSH, KeyCloak, OIDC agent and JWT-agent, and also considering cooperation with GakuNin
 - ASGCCA, KEKCA: deploying token-based AAI model (INDIGO-IAM) for broader user communities
 - SIFULAN Malaysian Access Federation offers IdP-as-a-Service to country-wide user communities
- Regional Identity & Access Management Collaborations
 - Identity & Access Management (IAM) WG @APAN Support SAML2/federated AuthN services buildup & conversion based on eduGAIN (REFEDS) collaborations
- Communication
 - The APGridPMA began to use the Slack workspace: <u>https://apgridpma.slack.com</u> for prompt communication between members.
 - We are considering efficient operation on communication tools such as webpage, mailing list.

Future meeting

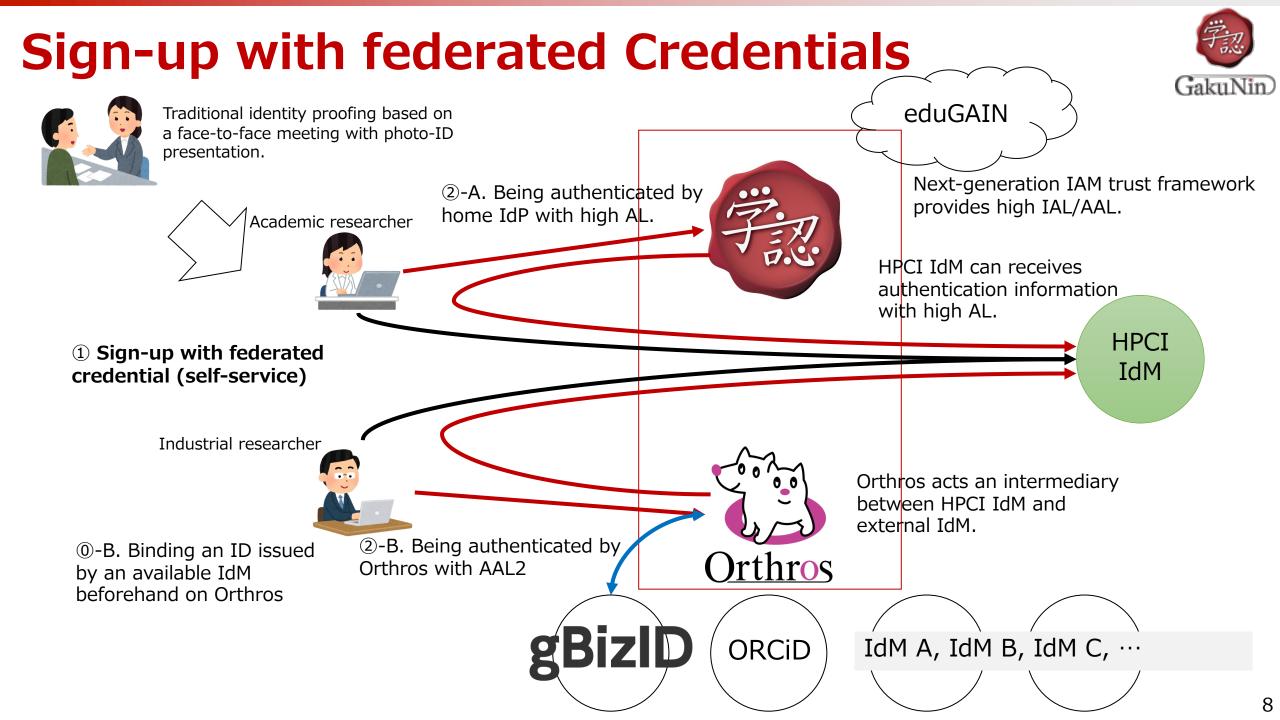
- 34th APGridPMA Meeting will be virtual meeting in October
 - APAN 58 held in Islamabad, Pakistan, August 26 30, 2024.
- 35th APGridPMA Meeting
 - collocated with ISGC 2025 ?
- 63rd EUGridPMA Meeting
 - next winter
- TAGPMA Meeting
 - may be held in Internet2 Technology Exchange 2024.

Sign-up with federated credentials in HPCI

Collaboration with GakuNin and international IAM federations

Identity proofing – Old and new challenges

- HPCI identity management (IdM) system currently vets user identity based on a face-to-face meeting with photo-ID presentation. Such identity proofing process is still a heavy burden on users and also the HPCI IdM, because there is a diversity in the format of the photo-ID, in addition, the genuineness of the photo-ID is not easily confirmed by HPCI personnel.
- A solution to the above problem is for the HPCI IdM to not perform identity proofing itself, but to delegate it to external trusted IdMs or federations. Issues to realize such delegation are as follows:
 - What is an external IdM for industrial researchers?
 - Note that HPCI users are not only in academia but also industry.
 - Do the IdMs or federations meet the IAL imposed by the HPCI IdM?



Identity proofing based on genuine MICS

- HPCI CA is a MICS-based CA.
 - External IdMs are IdPs operated by supercomputer centers in Japan.
 - Protocol between IdM and HPCI RA is SAML.
- HPCI IdM will be a MICS-based IdM.
 - HPCI IdM will delegate identity proofing to external trusted IdM or federations; GakuNin IdP, public IdM, eduGAIN.
 - Protocol between HPCI IdM and external IdMs will be SAML.

Future plans

- We are considering a design and implementation of new sign-up with federated credential service.
- We plan to
 - make a proto-type experimentally,
 - define a SAML profile of federated credential and,
 - do a pilot operation next Spring