
FJPPL-TYL

Comp_04: Open Discussion proposal for FY2024 project



Title (Comp_04):

Evolution of the computing environment for high-energy and astroparticle experiments

Member:

- French Group (CC-IN2P3)
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- Japanese Group (KEK-CRC)
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Subjects:

- Development of optimization method for the effective use of computing resources by deep learning
- Performance tuning of HTTP-based massive data transfer

Which ones to keep and which ones to quit among these?

Is there any new collaborative work mutually beneficial for both parties?

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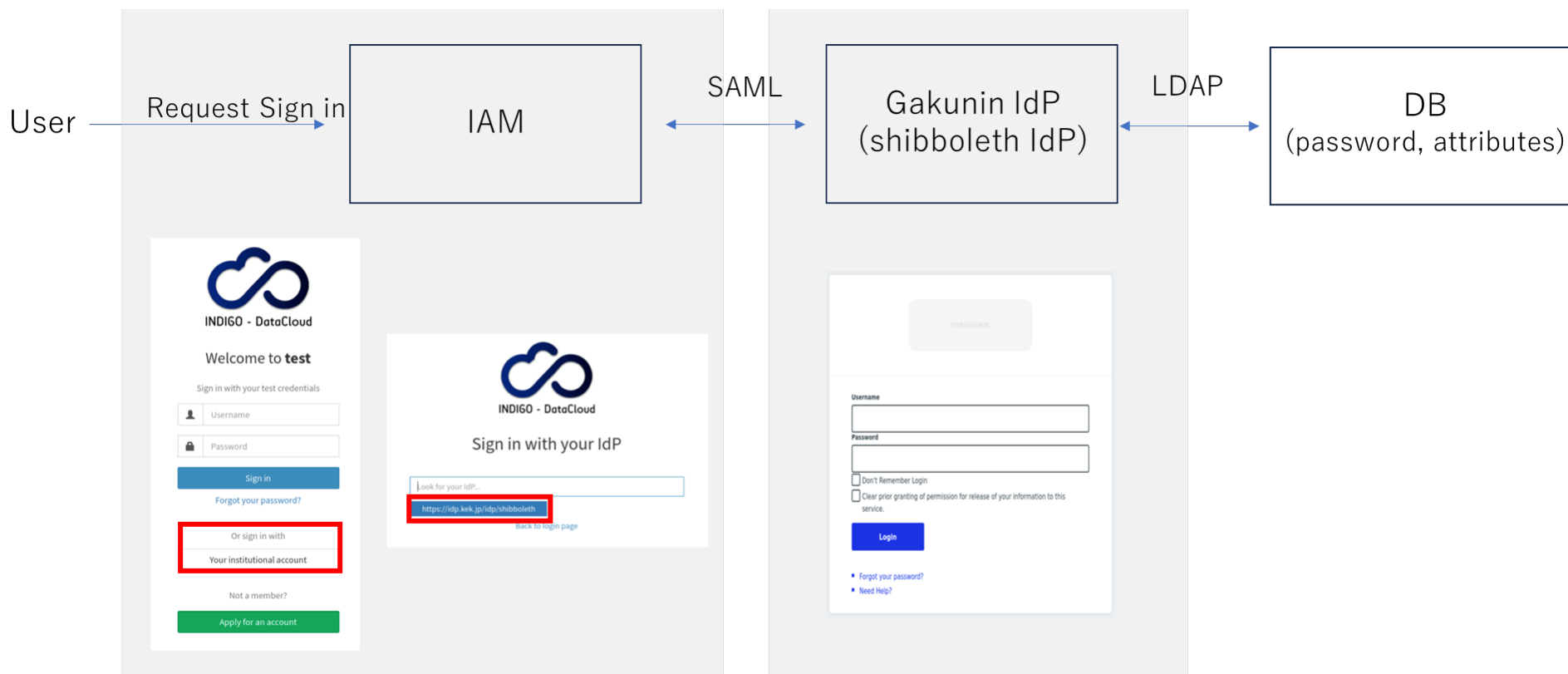
Call for proposal has not been opened yet due to some administrative issues.

Submission deadline usually set at the middle February (2~3 weeks delay).

"2024 Joint workshop of TYL/FJPPN and FKPPN", will be held at KISTI, Daejeon, Korea on May 22-24, 2024.

Subjects:

- Development of optimization method for the effective use of computing resources by deep learning
 - There is still room for R&D and expand
e.g. including accounting information with the other computing center
- Performance tuning of HTTP-based massive data transfer
 - Monitor the changes in the situation more closely
e.g. WLCG data challenge (Belle II is also involved)
<https://indico.cern.ch/event/1307338/overview>
e.g. network path between Japan and Europe will be change in this spring
- Any other things/ideas during the workshop?
 - ID Federation



Current:

- Can access to Storage Element by tokens
- Computing Element is not fully available yet

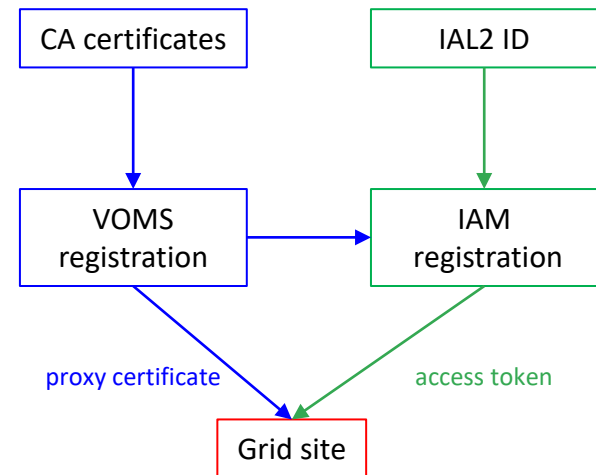
Future:

- End of X.509 certificate authentication infra.
- proxy certificate will be replaced by token
- End of VOMS

Other background:

- ID Federation is one of the requirements for Research Data Management from Japanese government
 - Data integrity,
- Identity Assurance Level 2 must be referred to the F2F authentication or human resource DB in each institute (equal level of IGTF)
- GakuNin can federate with eduGain
- We will deploy GakuNin idP soon

Grid Authentication



Do you have any ideas on the application-level development using this infrastructure?