

ACCORD 3/27 meeting

Attendees (mostly complete list):

Andrew Grimshaw, Katherine Holcomb, Adam Munro, Mark Gardner, Alden Stradling, Tim Tolson, Jason Belford, Scott Bevins, Jayshree Sarma, Dale Hulvey, David Landry, Wirawan Purwanto, Rusty Waterfield, Doug Streit, Masha Sosonkina, Joshua schiefer, Suresh Marru, Terry Herdman, Scott Midkiff, Ron Hutchins, Tho Nguyen, Buki Aljiji.

Morning Session – Technical Discussion

- Welcome first-time attendees: Scott Bevins (UVA-Wise), Suresh Marru (IU), Masha Sosonkina (ODU)

Ron Hutchins: summary of ACCORD project and progress

- Start from the bottom, our goal is to make sure ACCORD consortium members are up to speed on identity management technology
- Demonstrate authentication & access control across institutions as the first goal
- UVA added resources to Rivanna supercluster to offer up for consortium initial use (non-protected) – 120 nodes

Suresh Marru – Science Gateway presentation

- Gateways are designed to support the scientific process. Gateways can be discipline-specific, which supports ease of use; or for consortium access
- SG Community Institute (SGCI) provides a toolkit customized for science-specific discipline use
- SciGaP (Science Gateway Platform as a service) provides a public API to distributed resources
- SGCI can support ACCORD compliance goal at several stages, including identity management and workflow design.
- SG is pursuing an Apache Airavata Identity management enhancement project (next step) that could complement with ACCORD
- ¼ time SCGI consultant is available for SCGI members

Jayshree Sarma – Access control across institutions

- InCommon (ECP) at ACCORD consortium member institutions – do we know that all members have this capability?
- Is web browser access the way to go?
- User access (vs. Group access) provides better access control
- Can we set up a pilot run using the recently added resources to Rivanna (Ron's announcement above) to implement identity management and access control?
- Need to identify a group of pilot users at different institutions **** (identify a lead at each institution).
- Set up a test gateway to support job submission to the Rivanna test system
- Andrew can potentially send students to partner institutions to train folks how to access and use Rivanna***

- Process: user log in using uncommon to provide their identity, local accounts are created on clusters (automated via CoManage?) to provide access.

Grimshaw – ACCORD architecture discussion

- Given our architecture goal, we need to start with risk reduction by experimentation
 - o Open stack – provisioning service
 - o Verify Ivy against the control policies to be sure we satisfy ISPRO
 - o Federation technology – authentication/authorization, data management -> how do we ensure we meet the control requirement for data storage, execution management
- What do we document to show that we met the control?
- Singularity (container, user level)

Andrew will organize follow up architecture meetings

SSI proposal

- Given that we scaled back R&D for the MRI, there is an upcoming opportunity from the NSF under the “Software Infrastructure for Sustained Innovation” program. We can propose to the SSI track (Scientific Software Integration), which is due on September 19.
- The consortium proposed that Mark Gardner and the VT team leads this opportunity. The VT team will discuss.

Afternoon session – All hands meeting

Hutchins:

- Summarizes the morning discussion, go over the ACCORD framework again
- Task the Architecture team that discussions should lead toward SSI proposal, content by end of July

Suresh: Demo SG job execution

- Adam and others logged on as collaborators at real time
- SG has a security auditing component (Von’s group)
- Discussions on features and capabilities of SG

Doug Streit – Policy challenges to authentication and access control

Doug’s [presentation is available here](#). Some points of discussion include:

- What constitute sufficient security and compliance levels? This should be a discussion at the CIO level. Propose to organize a governance working group to establish guidelines and thresholds.
- What do we need to do so all ACCORD members can have identity management? Shibboleth deployment is not difficult/expensive, we can support partner institutions do it.

Wirawan Purwanto – HPC training

- Training-based workforce development (not classroom education)

- We want to focus on HPC/HTC
- ODU can lead, as a consortium we can support implementation
- Either create a curriculum or organize a series of topics, so that folks can sign on depending on needs
- Suggest to leverage Ron's added Rivanna resources for the hands on environment training
- We can start by making an inventory of content for training at each member institution. We can assess these material and propose NSF funding to get to the next level (i.e., a training program).
- ODU colleagues to lead the HPC training material inventory

Herdman - 1 day workshop on campus cyberinfrastructure

- Can we think about this workshop as the first class/workshop that leads to a training series?
- What curriculum would help our CI professionals to better support our users
- Science DMZs, DTNs – portable DTNs
- Workshop is a good opportunity to demonstrate ACCORD initial access (if the architecture team can pull it together)
- A possible user group: local sysadmin and user support team
- Potentially evolve to a series of capacity building activities, rotate host locations

Follow-up activities:

- Develop partnership with SGCI
- SISI grant (SSI track) – VT to get back with interest in leading
- Quarterly meeting, Christine Jewell can support
- ODU will survey HPC training material at ACCORD consortium partners
- Establish thresholds for security, how do we agree across institution? Establish a governance committee, include CIO-equivalent at consortium universities
- Plan for campus cyberinfrastructure workshop in the Fall of 2017.