SP Software Meeting 11/6/2017

Attendees

- Derek Simmel, PSC
- Lisa Giame, Feng Chen, Eric Wiggins, LSU
- Dave Carver, TACC
- Stefan Thiell, Stanford
- Mats Rynge, OSG
- Trevor Knight, SDSC
- George Wm Turner, IU
- Nancy Wilkins-Diehr, SDSC
- Marlon Pierce, presenter representing XSEDE Extended Support for Science Gateways
- JP Navarro, XSEDE XCI RACD

Meeting Minutes

Announcements

Supercomputing SC'17 November 12-17 Denver, CO http://sc17.supercomputing.org/

Since it was discussed later in the meeting here is a link to the Globus support change information. Globus Toolkit support will end/change as of January 2018; The Globus cloud service and Globus Connect are unaffected. See announcement at https://github.com/globus/globus-toolkit/blob/globus_6_branch/support-changes.md

Software/Services/Engineering Activities

No new software deployments to announce

XSEDE is working on a solution for multifactor authentication to extend beyond the current Duo licensing which ends April 31, 2018. The possible solutions are to extend Duo for one more year and Operations is looking at getting the best price for XSEDE users for this solution. Also an XSEDE Project Innovation Fund request has been initiated to evaluate the Duo versus a solution that is the same MFA solution TACC provides for their users. XCI is working on the information and recommendation to XSEDE leadership. A decision should be coming soon.

SP Coordination

Marlon Pierce was invited to present on SPs and Science Gateways. His slides are here

GatewaysForSPS...wareForum.pptx

A good discussion resulted. Some Globus discussion was had and for figuring out how to transition XSEDE should query SPs to find out usage patterns and how end users are using Globus (Globus GUI or globus-url-copy). Some of the questions and answers/results were:

Q: Who can help SPs with implementation and support of Gateways?

A: Marlon Pierce's group is the right person for that. Just like the SP Coordinator helps coordination SPs throughout integration with XSEDE, Marlon specifically works with gateway developers and with SPs to address integration issues.

Q: Where is the gateway-submit attribute software?

A: See the XSEDE Software repository at https://software.xsede.org/production/gateway_submit_attributes/ (always use the latest version)

Q: LSU asked is there a best practice guide for SPs and/or Gateway Developers

A: There is no XSEDE developed best practice guide for SPs sinc e the gateway implementations vary so widely.   Some of the gateway developer info is on the XSEDE website and it is discussed on the gateway call. ECSS can be used to identify problems with Gateways at SPs and support requests can be made to ECSS to help develop/fix gateway implementations.

Q: what are the methods that community accounts can use when Globus support transitions in 2019?

A: It is suspected that GSI OpenSSH support will be picked up by someone (some discussions have mentioned OSG might) and GSI authentication will be maintained. In Common (CILogon) issued credentials can be used with GSI OpenSSH.   NICS has documented for NICS ACF users how to do this. If someone is interested in that documentation see https://www.nics.utk.edu/computing-resources/data-transfer specifically the **Setting up x.509 authentication** section

Open Discussion

None this time