PDAC Meeting 2017-09-07

Prototype Data Access Center (PDAC) meetings take place every other Thursday at 9:00 Project Time on the BlueJeans infrastructure-meeting channel: https://bluejeans.com/383721668

Date

07 Sep 2017

Attendees

- Unknown User (pdomagala)
- Gregory Dubois-Felsmann
- Simon Krughoff
- Igor Gaponenko
- Fabio Hernandez
- Kian-Tat Lim
- Fritz Mueller
- Unknown User (xiuqin)
- Christopher Clausen

Goals

- Update on NCSA PDAC-related activities

Discussion items

Time	Item	Who	Notes
	PDAC hardware status • QServ czar upgrade, see ⚠ IHS-378 - Jira project doesn't exist or you don't have permission to view it.	Unknown User (pdomagala)	Last week this was still stuck in NCSA procurement. Current status? • Donald Petravick signed off on this yesterday. It has been through PMO already & Wil signed off. Next step is for NCSA to issue the PO. Unknown User (pdomagala) actively tracking this. • Gregory Dubois-Felsmann, Fritz Mueller: Note that the schedule contingency for the loading of the WISE and NEOWISE single-epoch photometry (LSST "Source"-like data) during this cycle has now largely been consumed (the czar upgrade request has been pending since June). This is a high-level milestone visible to our funding agencies.

	Firefly security screening - See ⚠ IHS-388 - Jira project doesn't exist or you don't have permission to view it.	Unknown User (pdomagala), Christopher Clausen	Last week Unknown User (pdomagala) discussed this with Unknown User (awithers), resulted in delegating this to Christopher Clausen. Awaiting a status update on the ticket. - Christopher Clausen requested a network configuration change at NCSA on 01 Sep 2017 to enable access from a scanning appliance. No news on that request yet. - He will try to do some other analysis work on this while waiting.
Walk-ons			
	Status of ⚠ IHS-342 - Jira project doesn't exist or you don't have permission to view it.	Fabio Hernandez	- The need for improving the current capabilities of NCSA for exchanging data with CC-IN2P3 is still present, to allow CC-IN2P3 to validate and demonstrate its capability to import and export LSST data at the level required for the operations phase. - Unknown User (pdomagala) suggested to try using SLURM-managed compute nodes for the data exchange exercises. Fabio Hernandez stated although using compute node as ephemeral data transfer nodes could be technically possible provided that the NCSA firewall configuration allows for this (see the ticket for details), it would not be very convenient for rapid cycles of testing.
	Appropriate forum for addressing Kubernetes deployments	Simon Krughoff	- Unknown User (pdomagala) suggested we use the infrastructure focused meeting every other week as this forum. - Unknown User (pdomagala) will ask Matias Carrasco Kind to come to the infrastructure meetings to help address this. - Gregory Dubois-Felsmann: In July we discussed, and the relevant Aspect group leaders welcomed, taking an outage of PDAC later this year to switch to a Kubernetes deployment. If this could be done in collaboration with Matias Carrasco Kind's work, that would be great. - Fritz Mueller: Because of other planned work on containerization and management, the best time for this would be after October.
	Monitoring of container services	Unknown User (pdomagala)	- Considering using https://prometheus.io to monitor the "middle level" of container services in addition to the lower level hardware (e.g., CPU load, memory commitment) monitoring already in place.

Action items

- ☑ Unknown User (pdomagala) 14 Sep 2017 Provoke a discussion of procurement issues within the NCSA group, provide an update at next week's meeting, including a flow diagram for the process.

- ☑ Unknown User (pdomagala) 14 Sep 2017 Add Kubernetes to the infrastructure meeting topics & invite Matias Carrasco Kind (as necessary).

- ☑ Fritz Mueller 08 Sep 2017 Add the actual WISE-data-loading ticket as "blocked by"

  ⚠ IHS-378 - Jira project doesn't exist or you don't have permission to view it. .

Attachments

File	Modified
JPEG File The Defense Procurement Process.jpg	Sep 07, 2017 by pdomagala