

2017-12-13 Service Mgt. Steering Meeting Notes

Date: 13 Dec 2017

Attendees: [Unknown User \(pdomagala\)](#), [Margaret Gelman](#), [Donald Petravick](#)

NOTE: statistics cover the past 2 weeks

Scheduled Maintenance

[See the LSST Service Status Page](#)

- Note that the December maintenance window is moved from 12/21 to 12/14.
 - Nebula will not be affected.** The L1 test stand would have had OS upgrades early Thurs. morning, but I've asked the admin's to hold off until Jan. in order to provide maximum stability during the early integration exercise.
- 2017-12-22 to 2018-1-01 (inclusive) is a University holiday period. Services will be operational. NCSA will respond to incidents based on business criticality. During the holidays, incidents should be submitted as JIRA IHS tickets as we will not be monitoring slack channels as much as normal.

As-is Services

Incidents

- 1 created, 1 resolved.

Created & Resolved:

IHS-632	Various problems with NEBULA instances lsst-gapon-qserv-*	Igor Gaponenko	DONE
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Discussion of Notable Issues

- Unexpected reboot of lsst-qserv-db16 (IHS-606).**

Firmware upgrades were successful and all nodes were returned to service Thur. 11/30. Since then, there have been no unplanned reboots.

Requests

- 4 created, 3 resolved

IHS-631	HTTP 301 redirect https://lsst-web.ncsa.illinois.edu/doxygen/(.*) -> http://doxygen.lsst.codes/stack/doxygen/\$1	Joshua Hoblitt	DONE
IHS-638	Install a tex distro on lsst-dev	Merlin Fisher-Levine	DONE
IHS-632	Various problems with NEBULA instances lsst-gapon-qserv-*	Igor Gaponenko	DONE
IHS-654	Need access to PDAC	Christine Banek	IN PROGRESS

Change Management

This process primarily targets requests that can be handled with current level of effort (LOE) resources. This process is also designed to detect and redirect items to the EVMS process if they exceed LOE resources.

Changes proceed through 5 stages:

1	Initial Assessment	Check that the submitter has stated a plausible business case and the relevant T/CAM agrees
2	Feasibility Assessment	Is the change well-formulated, address a project need and cost-effective.
3	Planning	A detailed implementation plan is created which takes into account impacts, resource needs, testing and verification.
4	Implementation	The plan is executed to implement the change.
5	Assessment	Verification of successful change & issues analysis
6	Closed	Documentation and formally close the request. close-out.

Open Change Requests

Key	Summary	Process Stage†	Reporter	P	Created	Status
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IHS-576	Configure slurm to accept jobs to use only partial nodes	Planning	Tim Morton	blocked URL	02/Nov/17	This change has been approved and is tentatively scheduled for early CY18.
IHS-580	DM developers need a build/test environment that supports docker containers	Planning	Joshua Hoblitt	blocked URL	02/Nov/17	Use case and requirements are being gathered. Unknown User (pdomagala) will discuss this with the PDAC working group this Thursday.
IHS-612	Implement debug and normal queues for developers on the verification cluster	Planning	Yusra AlSayyad	blocked URL	16/Nov/17	Currently being planned and tested. Tentatively scheduled for deployment before 22/Dec/17
IHS-638	Install a tex distro on lsst-dev	Closed	Merlin Fisher-Levine	blocked URL	04/Dec/17	Approved by M. Butler and completed on 08/Dec/17

Heard on the Street This Week, but no Ticket Filed

- **New**
 - It was suggested that per-user storage usage for each shared fileset be made available. Preferably readable by any DM member.
- **Previous**
 - Several users expressed a desire to have the Intel compiler suite (icc) available on last-dev
 - Increase ssh idle session timeout, which is currently 1 hr. (John Parejko via Slack)
 - Suggestion to deploy kubernetes on PDAC, it is assumed that this is being handled through the rolling-wave (EVMS) process
 - Tools for parallel programming in batch computing environment (gnu parallel and others)

Change Process Notes

- Change process is being refined based on experience and feedback from exercising it over the past month.

Problem Management

Report format under development

Interactions

1. T/CAM interactions

- Protracted discussion with [John Swinbank](#), [Kian-Tat Lim](#) & [Simon Krughoff](#) re. the need to have retrievability of items purged from the GPFS /scratch partition for some short period of time. See



IHS-613 - Jira project doesn't exist or you don't have permission to view it.

1. ITSC

- [Unknown User \(jmatt\)](#) proposes in [ITRFC-10](#) that the ITSC consider making recommendations for container and container orchestration best practices.

Next meeting 19 Dec 2017

b.

2. PDAC

- Next PDAC meeting 14 Dec 2017

3. Summit-base Tiger Team

- Suspended until after the first of the year since Jeff is in Chile. However, I'm linked in to Chile IT.

4. Infrastructure

- The 07 Dec 2017 meeting was focused on the upcoming 14 Dec 2017 maintenance event.

Other business

Proposed that we install a standard Influx/telegraf/prometheus stack on the standard Nebula images. Install a monitoring system in openstack to serve up the data/dashboards.

Action Items

New

- ☐ [Unknown User \(pdomagala\)](#), get cell phone numbers
- ☐ [Unknown User \(pdomagala\)](#), contact [Gregory Dubois-Felsmann](#) and/or [Unknown User \(xiuqin\)](#) for approval (phone)

- ☐ [Unknown User \(pdomagala\)](#), start monitoring the RFC project
- ☐ [Unknown User \(pdomagala\)](#), interface between RFC process and LDMCR process

From last week