

2017-12-20 Service Mgt. Steering Meeting Notes

Date:

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

Scheduled Maintenance

[See the LSST Service Status Page](#)

Support over the holiday break 23 Dec 2017 to 01 Jan 2018

Services will be operational. The following have been identified as essential during this period:

- lsst-dev
- lsst-xfer
- Verification Cluster (slurm)
- GPFS Storage

Please report problems via the [JIRA IHS queue](#).

As-is Services

Incidents

- 1 created, 2 resolved.


■ Created

IHS-663	Intermittent PING latency and packet loss in PDAC
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■ Resolved:

IHS-606	Unexpected reboot of lsst-qserv-db16
IHS-663	Intermittent PING latency and packet loss in PDAC

Discussion of Notable Issues

-  [IHS-663](#) - Jira project doesn't exist or you don't have permission to view it.

Maintenance event of 14 Dec 2017 ran into problems. Mitigations were put in place and systems were operational at 19:00. Root cause was determined to be policy-based-routing (networking). Systems & network engineering are doing an analysis, identifying lessons learned and formulating changes to prevent recurrence.

-  [IHS-606](#) - Jira project doesn't exist or you don't have permission to view it.

Users report no problems. There have been no spurious reboots detected. The issue has been closed with [Igor Gaponenko's](#) concurrence.

Requests

- 1 created, 1 resolved

Created

IHS-668	Addition of a new data folder in /datasets/hsc/
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Resolved

IHS-654	Need access to PDAC
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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.

Successful changes proceed through 5 stages:

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

Open Change Requests

Key	Summary	Process Stage†	Reporter	P	Created	Status
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	Feasibility	Joshua Hoblitt	blocked URL	02/Nov/17	Use case and requirements are being gathered. Unknown User (pdomagala) with the PDAC working group last week. They requested further detail on the specifications and timing of the FY18 kubernetes/docker initiative. If that service, even an early implementation, is ready near-term, the need for stop-gap measures may be unnecessary.
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 early CY18.
RFC-423	Allow ssh access to verification cluster worker nodes	Feasibility	Simon Krughoff		18/Dec/17	Proposed. 5 days left on comment period.

Heard on the Street This Week, but no Ticket Filed

- **New**
 - None
- **Previous**
 - It was suggested that per-user storage usage for each shared fileset be made available. Preferably readable by any DM member.
 - 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

- [Unknown User \(pdomagala\)](#) is in the process of integrating the NCSA change process into the DM

Problem Management

Report format under development

Interactions

1. [T/CAM interactions](#)

- a. Discussion with [Unknown User \(xiuqin\)](#) & [Gregory Dubois-Felsmann](#) on [Unknown User \(cbanek\)](#)'s request for PDAC access,



IHS-654 - Jira project doesn't exist or you don't have permission to view

it.

. Both approved and noted so in the

ticket. Access was given and the issue was closed.

- b. Engaged all managers on activities over the holiday break that might need support.

2. [ITSC](#)

3. [PDAC](#)

- a. Last PDAC meeting 11/16/2017

- b. Discussion on [blocked URL](#) IHS-488 - Increase limits and swap space for qserv pdac: It's unclear what the use cases are and what the specific requirements might be. [Unknown User \(pdomagala\)](#) created a subtask for [Fritz Mueller](#) to look into this before proceeding.

4. [Summit-base Tiger Team](#)

- a. Suspended until after the first of the year since Jeff is in Chile. However, [Unknown User \(pdomagala\)](#) has been included in the North-South IT support meetings.

5. [Infrastructure](#)

- a. Last meeting 07 Dec 2017. Nothing significant.

6. [North-South IT Support](#)

- a. [Unknown User \(pdomagala\)](#) has been included in the North-South IT support meetings.

Other business

(None)

Action Items

New

From last week