DM Leadership Team Face-to-Face Meeting, 2018-03-08/09

08 Mar 2018 - 09 Mar 2018

Logistics

The meeting will be colocated with the DM/SE AHM.

Attendees

- Wil O'Mullane
- John Swinbank
- Eric Bellm (through ~15:00 Thursday; remote Friday)
- Leanne Guy
- Tim Jenness (remote)
- Kian-Tat Lim
- Unknown User (xiuqin)
- Jeff Kantor
- Unknown User (mbutler)
- Unknown User (gcomoretto)
- Andrew Connolly
- Simon Krughoff
- Frossie Economou
- Colin Slater
- Fritz Mueller
- Jim Bosch
- Zeljko Ivezic
- Yusra AlSayyad
- Vaikunth Thukral
- Margaret Gelman
- Gregory Dubois-Felsmann
- Robert Gruendl

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<tr><td colspan="4" align="center">Day 1: Thursday 2018-03-08</td></tr>
<tr><th>Time</th><th>Topic</th><th>Chair</th><th>Notes</th></tr>
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<td>13:30</td>
<td>Welcome</td>
<td>Wil O'Mullane</td>
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- Review outstanding actions
- Review & adjust agenda

- Agreed with Gregory Dubois-Felsmann that LSP design documentation can be baselined (nearly) as is, ie going for RFC within the next couple of weeks (addressing outstanding action item).
- ☑ Margaret Gelman: Open a Jira ticket to describe the mechanism by which service status information will be propagated to DM staff, with review by Frossie Economou & John Swinbank. 19 Mar 2018
- ☑ Jeff Kantor: Provide details of the ITRFC or other ITSC documentation which pertains to service catalogues as links on this page.

ITRFC-3 Consolidate LSST Service Status Pages

ITSC Meeting Notes containing discussion/adoption of Services Catalog database

- 2017-02-21 Meeting notes
- 2017-03-21 Meeting notes
- 2017-04-18 Meeting notes
- 2017-05-16 Meeting notes

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<td>13:45</td>
<td>Development of QA plans</td>
<td>John Swinbank</td>
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- We almost certainly want to convene a WG for this.
  - Does the DMLT agree?
  - If so, let's write the charge now.
- We agreed that we would convene a short-term focused "tiger team" to come up with a plan for potentially more than one WG to split up this work.

- ☑ John Swinbank: Convene a series of calls to come up with a high-level plan for "QA" in the most general sense in the short term, with participation to be agreed between him & Wil O'Mullane. 19 Mar 2018

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Time	Topic	Lead	Notes
14:45	Special Programmes	Leanne Guy	• Topics arising from RFC-412.
15:05	Next to database processing	Fritz Mueller	☑ Fritz Mueller: Update LDM-135 to remove/clarify the misleading reference to users running code "on their own hardware". (PR: https://github.com/lsst/LDM-135/pull/16) 26 Mar 2018 ☑ Leanne Guy: Provide use cases for next to database processing. 28 May 2018 ☑ Colin Slater: Provide initial performance constraints for next to database processing 26 Mar 2018
15:30	Break		

16:00	Early AuxTel Operations	Wil O'Mullane / Unknown User (mbutler)	• Patrick may dial in on https://bluejeans.com/293724745/
			• Michael Reuter will join
			• Early AuxTel operations.
			  ○ Requirements for pipeline processing.
			  ○ Delivery timeline of SuperTask, Butler Gen3 and pipelines built atop those, and the schedule for integrating them at the Data Facility.
			  ○ Michael walks though Early Integration Activities
			
			☑ Margaret Gelman: Post detailed meeting notes on Early AuxTel operations to Confluence, linked to the DMLT F2F meeting page. 19 Mar 2018
			
			  ○ Detailed schedule here: Early AuxTel Operations.
			
			Main points:
			
			• Initial compute access via NFS mount from the OODS in the AuxTel Archiver box and (manually) selected data preservation in the LDF production filesystem in Jun 2018 is fine. Integration of spectrophotometric algorithms, including calibration generation, with the Batch Production Framework can begin with an initial pipeline using the Gen3 SuperTask in Jan 2019, with production operations targeted for Jun 2019.
			• The EFD should be active on the summit in Apr-May 2018 but may be late; the EFD Transformation Service cannot go live until the Base EFD is available (expected Jun 2019) and is not absolutely required until ComCam arrives.
			
			☑ Margaret Gelman: Determine with Michael Reuter and Dave Mills whether EFD disaster recovery needs LDF support, especially in the Apr 2018-Jun 2019 single-instance period. 26 Mar 2018
			
			• Base data center occupancy is expected in Nov 2018, but we will suggest to Chuck Claver that the Commissioning Cluster not be installed until Jun 2019. He should have access to an equivalent "practice" system in the LDF Kubernetes commons until then.
			• The move of the one-box Auxiliary Telescope Archiver from the summit to the Base needs to happen in or before Jun 2019 and needs to be coordinated well since it may cause Auxiliary Telescope downtime.

17:30	Finish		

Day 2: Friday 2018-03-09

Time	Topic	Lead	Notes
09:00	Status of LDM-503 milestones	John Swinbank	• Ensure that we are on track for all LDM-503 milestones over the remainder of this year. • By the time of the next Joint Status Review, we must have test specifications for every milestone we plan to execute. How do we get there? Need to start handing out homework.

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<tr><td colspan="4" align="center">Milestones this year</td></tr>
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Milestone	Date (March 2018 BL)	Name	Status
LDM-503-01	2017-11-30	Science Platform with WISE data in PDAC	- Test spec exists on a branch; will be submitted to CCB ASAP. - Test report is being written, aiming to get it completed quickly.
LDM-503-04	2018-06-01	Aux Tel DAQ integration functionality test	- Test spec is close to being submitted. - Test is done. - Test report is not started.
LDM-503-04b	2018-06-01	Aux Tel DAQ interface Verification and Spectrograph Operations Rehearsal	- Discussions ongoing on contents of test given available functionality. - Missing functionality can be called out in the test report. - Running this end of March.
LDM-503-05	2018-07-02	Alert distribution validation	- Thinking about this in the Alert Production/UW group. We will be writing a test spec over the next ~month. - Needs to run on LDF hardware; will open discussions with the LDF group about how this will happen. - We should consider whether any L1 database tests actually happen in this milestone.
LDM-503-06	2018-11-30	DM ComCam interface verification readiness	"This is likely to move later or earlier". - Margaret Gelman & Wil O'Mullane to confirm schedule of this milestone with Michael Reuter. - See also LSST-1220, EIA-10, EIA-14. - This will be an LDF-produced test spec.
LDM-503-07	2018-11-30	Camera Data Processing	- This demonstrates that we can run science payloads on camera test stand data. - No reason we can't address this soon; ~summer 2018 (just after the joint status review). - Goal would be to load and process a full raft; can handle this within the DRP team, and demonstrate access from the science validation instance of the science platform. John Swinbank will coordinate this with Unknown User (xiuqin). - May need a further LDM-503 milestone to demonstrate interfaces.
LDM-503-08	2018-11-30	Spectrograph Data Acquisition	- Intent is to show that we're ready for spectrograph operations on the mountain. - Test DM-only systems from archiver box at summit to LDF. - We should regard the end point of this milestone as making the data available for processing. - Milestone is tied to availability of the archiver box on the mountain; likely means this test actually takes place in January 2018. - Wil O'Mullane & Margaret Gelman will roll this in to their LDM-503-06 discussion with Michael Reuter.
LDM-503-09	**2019-01-04** ⭐	Ops rehearsal for commissioning #1	- This needs to be coordinated with Michael Reuter & Chuck Claver. - Need a discussion Kian-Tat Lim, John Swinbank, Chuck Claver, Michael Reuter, Unknown User (mbutler), Wil O'Mullane to scope this milestone. - Will cover both DM services provided to commissioning & pipeline functionality. - Could use AuxTel & data from it for this rehearsal.
LDM-503-10	2018-11-30	DAQ validation	- Would be valuable to run a full scale data acquisition test later in the schedule than this (Jeff Kantor suggests November 2019 with no alert latency test). - Wil O'Mullane will make that happen & update PMCS, LDM-503, appropriately.

⭐ LDM-503-09 was scheduled for Nov 2018, but has slipped to 2019 during PMCS ingest; it will likely float forward again as we finesse the milestone loading.

			☑ Wil O'Mullane & Margaret Gelman: Meet with Michael Reuter to confirm schedule for LDM-503-06 and LDM-503-08. 26 Mar 2018
			☑ Eric Bellm & John Swinbank: Produce test spec for LDM-503-05, in consultation with Margaret Gelman & Unknown User (mbutler). 02 Apr 2018
			☑ John Swinbank & Unknown User (xiuqin): Produce test spec for LDM-503-07. 20 Aug 2018
			☑ Wil O'Mullane: Convene a panel (likely to include at least Kian-Tat Lim, John Swinbank, Chuck Claver, Michael Reuter, Unknown User (mbutler)) to establish content for all three "Ops rehearsal for commissioning" milestones. 09 Apr 2018
			☑ Wil O'Mullane: Update the test description (to reflect that it will be run as a full scale data acquisition test) and schedule (to November 2019) of LDM-503-10 in PMCS.
10:00	Status of change controlled documentation	Tim Jenness	• Follow up on key DM documents which are still in draft, especially action items from the previous DMLT F2F (Tim Jenness). • Start preparing a list of documents which will need to be updated in advance of review season this summer (Wil O'Mullane). See https://docs.google.com/spreadsheets/d/15WZbLHcHZGEf4GzzSnfmikIfnCw6Z8IwNDwP4Qvi2Dw/edit?usp=sharing
			☑ John Swinbank: Review LDM-562, LDM-602 requirements for Tim Jenness. 26 Mar 2018
			☑ Fritz Mueller: Review contents of LDM-552 & check template. 26 Mar 2018
			☑ Leanne Guy: Read LDM-502 and decide on the strategy for moving forward. 14 May 2018
			☑ Fritz Mueller: Land post-LSP-workshop changes to LDM-542 (DM-13724). 16 Mar 2018
			☑ Margaret Gelman / Kian-Tat Lim: Draft of new sizing model owned & understood by LDF 04 Jun 2018
			☑ All DMLT members: Review spreadsheet of documents for Summer 2018 status review. 19 Mar 2018
11:00	Planning for F18	Wil O'Mullane	• T/CAM or science lead of each team to give ~10 minutes on their plans. • Group discussion. • Slides: ○ Science Pipelines
			☑ Unknown User (xiuqin): Upload F18 overview slides to DMLT F2F website. 19 Mar 2018
			☑ Fritz Mueller: Upload F18 overview slides to DMLT F2F website. 19 Mar 2018
			☑ Margaret Gelman: Upload F18 overview slides to DMLT F2F website. 19 Mar 2018
			☑ Frossie Economou: Upload F18 overview slides to DMLT F2F website. 19 Mar 2018
12:00	Review actions & date of next meeting	Wil O'Mullane	• DM Leadership Team Face-to-Face Meeting, 2018-05-22 to 24
			☑ John Swinbank to add the following technical topics to future DMLT telecons: ○ HEALPix/MOCs ○ Metadata (units, UCDs, descriptions, linkages, etc.) by the pipelines ○ Nightly reporting
12:30	Close		

Attached Documents

File	Modified
PDF File LSST_SpecialPrograms_DESEJTM_2018-01-08.pdf Report on Special Programs: RFC-412	Mar 08, 2018 by Leanne Guy
PDF File 2018-03-09 — Pipelines plans.pdf	Mar 12, 2018 by John Swinbank
PDF File LDF_Draft_Plans_Jun-Nov_2018.pdf	Mar 18, 2018 by Margaret Gelman
Microsoft Powerpoint Presentation SUIT_F18plan.pptx	Mar 19, 2018 by xiuqin
Microsoft Powerpoint Presentation DAX F18 rough plan.pptx	Mar 26, 2018 by Fritz Mueller
File Notebook_update.key	Apr 23, 2018 by Frossie Economou

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