2019-02-08 DM SST - LSP Agenda and Meeting notes

Logistics

Date 08 Feb 2019, 10:00 PT

BlueJeans **(note the new number)**: https://bluejeans.com/583102117

Attendees

- Simon Krughoff
- Leanne Guy
- Colin Slater
- Robert Gruendl
- Gregory Dubois-Felsmann

Regrets

Goals

Weekly meeting of the DM-SST to discuss scientific aspects of the Data Management System. One in four meetings us dedicated to the discussions about the LSST Science Platform.

Discussion items

Item	Who	Notes	Conclusions and action items
Introduction	Leanne Guy Gregory Dubois-Felsmann	Introduction to the scope and goals of this once-every-4-week dedicated LSP SST meeting	
Definition of scope of LSP product owner	Leanne Guy	Does product ownership cover LSP development or are we also POs of running an operating service? • Formally operations is outside of our scope, however there is agreement that, in the absence of other guidance from senior management, it is natural and appropriate for us to act as the POs for a pre-operations service in commissioning. This is very important for scientific oversight; we need to know that we are meeting users needs. • Simon Krughoff: This is also the only real way that we can meet verify/validate the platform. • Gregory Dubois-Felsmann: We need to focus on catalog based access more than has been possible thus far. How do we stage meaningful user testing of the science platform towards the majority of use cases, which are around catalogs, interfaces to catalogs, datasets. • Datasets: we need to produce catalogs. Which datasets should be used to produce catalogs for validation testing? ○ SDSS stripe8 is old. Assess if it is worth the effort (hand-massaging) to reprocess it or whether we should just move to HSC. Zeljko Ivezic thinks that there is still value in the SDSS forced photometry. ○ WISE & Gaia Fritz needs to ingest the WISE & Gaia DR2 datasets. ○ HSC: DR2 release is slated for early 2019. HSC has very little deep multi-epoch data. Stripe 82 is an ultra deep slice of data and provides a nive proportional multi-epoch sample to LSST	• DM-SST LSP Product owners will act as POs for a pre-operations LSP service in commissioning • DM-SST will continue to run and support tutorials, bootcamps, support stack-club, promote the LSP to SCs and commissioning; all of which provide us with essential user feedback on the product and contributes to scientific validation. Experiences from these interactions should be fed into the scientific validation plans ☑ Simon Krughoff Update the stack-club roster to schedule SST people once every 2 weeks. We will not schedule anyone in the off-weeks ☑ Leanne Guy Gregory Dubois-Felsmann Organize and effort to review importance of Stripe 82 dataset for LSP scientific validation with Zeljko Ivezic 22 Feb 2019 This work will be covered as part of ⚠ DM-21322 - Jira project doesn't exist or you don't have permission to view it.

LSP review planning	Gregory Dubois-Felsmann	Plans for the LSP review : Review Charge The last and only review was 2017 - 1.5 yrs ago was the only review. Since this review, 2 key aspects of the platform have matured significantly • The VO centric design for DAX interfaces . • Next-to-data processing; we have a much more concrete picture for N2D processing as well as a meaningful design and prototype Additionally we need to ensure that the descope is fully and appropriately a addressed in the review Science Data Model talk: Colin Slater is this not too backend-focused for this review? Gregory Dubois-Felsmann : This is not a DPDD-like talk but rather a presentation that we will have a system with robust metadata on the data products; this forms part of the user experience. We will generate a user facing doc page, Qserv: We should clearly expose topics like the overlap radius and query restrictions of Qserv. The goal of this review is to gain feedback from the community and make whatever changes are needed to ensure LSST science now. Demos. Simon Krughoff there will be priorities on which systems need work for these demos/ • TAP to portal must be done • A&A Do we need an implementation for review ? Agreement that we need to demonstrate cross-aspect single sign-on for single sign-on but that we can present the design and future plans for other aspects of A&A Sample queries: Simon Krughoff The API team need sample queries. They need them at least a month before the review and in a templated form so they can be fuzzed. See these examples. Colin Slater requests that all those who need to update documents be informed of what/when ASAP.	The venue dates are now fixed: Tucson, 10,11,12 April 2019 and the review is on Review Hub ☑ Gregory Dubois-Felsmann to provide the list of documents that must be updated before the review with assign names. 15 Feb 2019 ☑ Leanne GuyGregory Dubois-Felsmann To provide a timeline of deadlines/milestones through to the review 15 Feb 2019 ☑ Leanne GuyGregory Dubois-Felsmann To provide a first set of sample user queries to the API development team. 15 Feb 2019 ☑ Colin SlaterGregory Dubois-Felsmann; Discuss the content of the SDM talk. assert that we have a mechanism to provide 08 Mar 2019
Overdue or undated DM Science Team LSP tickets	Gregory Dubois-Felsmann	See list below - still 34 unreviewed and undated tickets	
Open actions concerning the LSP	Gregory Dubois-Felsmann		
AOB	Leanne Guy	Please read and comment on RFC-571	Next LSP meeting will be 2019-03-08

List of SST tasks (Confluence)

	Description	Due date	Assignee	Task appears on
☐	Robert Lupton Clarify the meaning of time in the object table. 1 sentence description in sdm_schemas, can link to a short DMTN. *Update 2022-02-09: Meeting to resolve this on 2022-02-21* 28 Feb 2022	28 Feb 2022	Robert Lupton	2018-11-05 DM SST F2F Agenda and Meeting notes
☐	Gregory Dubois-Felsmann check if SDM standardization is adequately represented in project documents, and whether DMTN-067 should be required. 31 Mar 2022	31 Mar 2022	Gregory Dubois-Felsmann	2022-02-14 DM-SST Virtual F2F Agenda and Meeting notes

Leanne Guy read RFC-842 and work out how much of this is in DM scope. Work with Eli Rykoff and Robert Lupton to make a plan to address this **28 Feb 2023**	28 Feb 2023	Leanne Guy	2023-01-23 DM-SST Agenda and Meeting Notes
Leanne Guy talk to Steve R about presenting plans for the ShearObject table to PST and SciCollab chairs **20 Mar 2023**	20 Mar 2023	Leanne Guy	2023-02-27 DM-SST Agenda and Meeting Notes
Jim Bosch Provide an example of a file containing a cell-based coadd for Gregory Dubois-Felsmann to examine to assess implications for firefly **31 Mar 2023**	31 Mar 2023	Jim Bosch	2023-02-27 DM-SST Agenda and Meeting Notes
Leanne Guy talk to Gregory Dubois-Felsmann to review the original intent of the AFS-related Portal requirements before deciding on a course of action **29 May 2023**	29 May 2023	Leanne Guy	2023-05-01 DM-SST Focus Meeting - Brokers in Commissioning
Leanne Guy Prepare to consult the PST on the question of providing compressed PVIs for AP outputs, to cover the period before the data become available in a DR. **02 Jun 2023**	02 Jun 2023	Leanne Guy	2023-03-27 DM-SST Agenda and Meeting Notes
Jim Bosch Incorporate 30-60 day period for raws on disk into the strawman proposal and present to KT **26 Jun 2023**	26 Jun 2023	Jim Bosch	2023-05-08 DM-SST Agenda and Meeting Notes
Parker Fagrelius Patrick Ingraham how long will it take to do a scan as described? No need to scan the whole WL range but will require additional points outside nominal lambda range. **30 Jun 2023**	30 Jun 2023	Parker Fagrelius	2023-03-27 DM-SST Agenda and Meeting Notes
Colin Slater Gregory Dubois-Felsmann Robert Lupton Jeffrey Carlin Convene meeting/vf2f session on definition of dataset selection requirements in DMS-REQ-293 **31 Jul 2023**	31 Jul 2023	Colin Slater	2023-07-10 DM-SST Agenda and Meeting Notes
Eli Rykoff , Leanne Guy Develop a proposal for what calibration processing, hardware, data we actually need and what will be needed for DR1. This has implications for the ORR and for prioritisation of work in commissioning **31 Jul 2023**	31 Jul 2023	Eli Rykoff	2023-01-30 DM-SST Agenda and Meeting Notes
Yusra AlSayyad will look to see if there is any effort to help on option 1 **28 Aug 2023**	28 Aug 2023	Yusra AlSayyad	2023-08-14 DM-SST Agenda and Meeting Notes
Jim Bosch Provide a physical example of that a up on cell table would look like fo the Colin Slater / DAX team to review **31 Aug 2023**	31 Aug 2023	Jim Bosch	2023-02-27 DM-SST Agenda and Meeting Notes
"What is the pathway to defining the data products that are required to meet DMS-REQ-0266" Jeffrey Carlin **30 Nov 2023**	30 Nov 2023	Jeffrey Carlin	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
Gregory Dubois-Felsmann Eli Rykoff to investigate splitting DMS-REQ-0298 (data access services for provenance) into separate 1a and 1b reqs. **30 Nov 2023**	30 Nov 2023	Gregory Dubois-Felsmann	2023-10-23 DM-SST vF2F Agenda and Meeting Notes

☐ Leanne Guy Gregory Dubois-Felsmann , possible others small group to write description of how our deployment strategy meets DMS-REQ-0297. 30 Nov 2023 *2024-01-30, See DMS-REQ-0297 -- Deployment Strategy*	30 Nov 2023	Leanne Guy	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
☐ Jeffrey Carlin follow up with KT on DMS-REQ-0176 and DMS-REQ-0315 to update /disaggregate this for latest base/summit infrastructure split. 30 Nov 2023	30 Nov 2023	Jeffrey Carlin	2023-10-23 DM-SST vF2F Agenda and Meeting Notes
☐ Jim Bosch Follow up on the possibility of investigating further the ability to process 2 collections in parallel. 31 Jan 2024	31 Jan 2024	Jim Bosch	2023-12-04 DM-SST Agenda and Meeting Notes
☐ Jeffrey Carlin Gregory Dubois-Felsmann Colin Slater Define verifications for the consistency of collections part of this requirements - e.g. OSS-118 31 Jan 2024	31 Jan 2024	Jeffrey Carlin	2023-12-04 DM-SST Agenda and Meeting Notes
☐ Gregory Dubois-Felsmann Jim Bosch Setup a meeting between science platform and middleware regarding user storage for butler purposes.		Gregory Dubois-Felsmann	2023-10-23 DM-SST vF2F Agenda and Meeting Notes

Overdue or Undated DM Science Team tickets

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

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LIT tickets of interest to DM Science

type	key	summary	assignee	reporter	priority	status	resolution	created	updated	due

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