

Status Report for May 15, 2009

Summary of progress

Work activity; whether it reached associated milestones.

NCSA

Bill (submitted on 5/19/2009)

- No change to 27/569, 28/41, 34/517 from last month.
- Working on #795 - a simple data mapper for pex_harness. Design is in flux, probably to be discussed at DC3a Tucson meeting.
- 35/74 - Configure V&V - no substantial change since last month; I'm helping Robyn configure the software; I plan to hook it into the nightly build once we have a command-line interface working

David (submitted on 5/xx/2009)

Greg (submitted on 5/xx/2009)

Steve (submitted on 5/xx/2009)

- Worked on build process of ctrl_evmon
- Added several fixes to evmon objects and new objects
- Added python object to parse db-auth.paf files so passwords are retrieved via that, instead of having cleartext passwords in code. This was necessary since jython can not import swigged classes.
- Assisted Ray with duration calculations and wrote additional scripts to make one integrated script.

Ray (submitted on 5/xx/2009)

LSSTC

Robyn (submitted on 5/19/2009)

Status	NL = Not Lead	NW = No work done		
Id	PM = Project Management Plan	DC = Data Challenge Plan	AP = Applications Plan	MW = Middleware Plan

.Status.	Id	.....Title.....	.....Comment.....
NL NW	PM50	...Update SysML/UML models and prepare Technical Documents	
100%	PM51	.....Complete LSST Software Development Plan	Delivered to Deputy System Engineer
NL	PM60	...Complete DM Inputs to System Level	

NW		Requirements and Design	
NL NW	PM67	.....Create document templates, recipes, tools for Enterprise Architect output/gen	as needed, prepared more EA Report templates
NL NW	PM68	...Complete Data Management Reference Design	
100%	PM69	.....Clean up DC3 UML Model, Update LSST Reference Design UML Model	Completed my portion of Activity diagrams, robustness diagrams, reverse engineer of DC3a
100%	PM70	.....Update EA and UML Modeling Conventions Document for Activity Diagrams	Document updated and installed on Docushare
	PM75	...Create draft DM Integration Test Plan	
10%	PM77	.....Generate test cases	Continued to exercise prototype TestGen as new releases were delivered
NL NW	PM86	Complete DM Inputs to Risk Management, System Integration, Commissioning, and Operations Plans	
0%	PM87	...Update DMS Integration and Test Plan	
0%	PM90	...Contribute DM sections to LSST Risk Management, Commissioning, I&T, and Operations Plans	
	DC56	Data Challenge 3 Software Development Plan	transitioning from DC3a focus to DC3b
0%	DC58	...DC3 Configuration Management Plan	Will transition from DC3a focus to DC3b
0%	DC60	...DC3 Verification and Validation Plan	Will transition from DC3a focus to DC3b
0%		...DC3 SQA Plan	Will transition from DC3a focus to DC3b

Database Group

K-T (submitted on 5/xx/2009)

Andy H (submitted on 5/xx/2009)

Serge (submitted on 5/xx/2009)

- began investigating libraries that integrate (or could be used to implement) spatial primitives in mysql/postgres

Daniel (submitted on 5/xx/2009)

Jacek (submitted on 5/15/2009)

- storage estimates (FaintSource, db compression, small tables)
- disk io estimates (discussions, telecons, meeting with Mike Huffer)
- attended mysql conference and drizzle meeting, see debrief posted to lsst-data
- progress with schema updates
- prepared for DC3b planning meeting
- standardizing names (TCT proposal)
- organized several DataAccWG telecons

Robyn (submitted on 5/19/2009)

- XLDB
 - ◆ produced draft agenda
 - ◆ reached out to different groups to find best attendees (NASA, bio and communities in Europe, European Commission)
 - ◆ compiled list of invitees
 - ◆ started paperwork required by SLAC
 - ◆ coordinating logistics (catering, funding, lodging)
- SciDB
 - ◆ did all the SLAC-related paperwork for the SciDB NSF proposal (budget, budget justification, statement of work, current and pending support, bios, no-conflict of interest forms, and others)
 - ◆ coordinated 9 letters of support for NSF proposal from science
 - ◆ rewrote science related sections of the NSF proposal
 - ◆ started officially building scidb community, including setting up scidb-news mailing list
 - ◆ wrote/submitted SLAC LDRD SciDB proposal
 - ◆ reviewed draft scidb.org mockup

Major Accomplishments

Significant breakthroughs, issues resolved.

Objectives for the Next Period

What you expect to accomplish.

NCSA

LSSTC

Robyn Allsman

I will work on the following unless and until PM needs work on higher priority PDR tasks. Priority and percentage of time allocated to the following tasks has not been determined.

- Will start work on Parasoft Coding Standards integration;
- Will commence update of DC3b QA, Configuration, Validation & Test Plans (see Management Issues block below for Project Plan);
- Will add all 3rd party software copyrights/licenses to the LSST DM Legal Notices directory and prepare Copyright notice to be inserted in each source file.

Database Group

Problems Encountered and Solutions Being Pursued

Budget or schedule variance, technical issues, management issues

Robyn ALIsman

DM Management needs to affirm the following intergroup participation:

- Will turn over DC3b Project Plan preparation to App and MW Project Leads. The document should be prepared as part of the LSST DM Software Development Process.

MW Management needs to affirm the following intergroup participation:

- Will need assistance from Ray Plante and/or David Gehrig on integration of Parasoft into Build system (scons) and possibly !Buildbot
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