

Middleware/Infrastructure? Status Report for November 15, 2009

Guide on Reporting Percentage Completed:

For software development tasks,

- use 0% if the solution is still being designed;
- use 25% if the solution's design is completed;
- use 50% if the solution is implemented and tested within the Ticket branch;
- use 75% if the implementation review is complete, the Ticket branch has been merged onto the Trunk branch, and the Ticket is closed.
- use 100% if the affected Trunk packages are tagged and released.

For other tasks, still use these increments, but apply their meaning as best as possible.

Note: Please place an asterisk (*) after the percent if you updated this value in this report.

Baker Bill

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI569	20% *	Maintain automated testing structure	Added tests for trunk vs. current
MWI41	75%	(BB) support distributable VMs for new developers	
MWI74	50%	configure test system for automated V&V	
MWI637	0%	Automated standards checking script	<i>not started</i>
MWI638	0%	Buildbot to detect ABI changes on trunk	<i>not started</i>
MWI640	65% *	Validated policy files	Merged and standard reviewed, but waiting for code review; may be tagged before that happens though.
MWI661	0% *	Advanced interslice communications support	<i>not started</i> -- is this the data mapping thing? If so, it <i>is</i> started; design is finished, so it should be 25%. I'll be working on it next.
MWI662	0%	Machine-readable inputs/outputs manifest	<i>not started</i>
MWI707	0%	Automating nightly DC3a run	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Becla Jacek

Reported 11/19/09

ID	Percent	Task	Comments
MWI680	0%	Updates: source-related tables, Object table	<i>not started, note progress with the design captured at APP53</i>
MWI681	0%	Updates: exposure-related tables	<i>not started</i>
MWI682	0%	Synthetic sources of data	<i>not started</i>
MWI684	25%	Standardizing names	
MWI686	5%	Evaluate hadoopDB	
MWI687	100%*	MySQL: test scalability and architect	
MWI691	0%	Partitioning: design partitioning of MovingObject? table	<i>not started</i>
MWI693	0%	Tools for partitioning data	<i>not started</i>
MWI697	0%	Task manager: design presentation	<i>not started</i>
MWI700	0%	Benchmarking	<i>not started</i>
MWI701	0%	Data Release tools	<i>not started</i>
MWI702	0%	Documentation	<i>not started</i>
MWI160	0%	capturing full SW/HW info	<i>not started</i>
MWI159	0%	demonstrating re-creation of Calibrated Science Images	<i>not started</i>
MWI165	0%	support persistence and retrieval of deep detection products and inputs	<i>not started</i>
MWI465	0%	implement objectId synchronization between data releases (not DC3)	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

See my section in the middleware report

Bosch Jim

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI685	5%	Near neighbor query over 2 or 3 nodes	
MWI694	0%	Basic generic query parser in place	<i>not started</i>
MWI695	0%	Demonstrate joining Object table with non-partitioned tables	<i>not started</i>
MWI696	0%	DC3b syntax parser and aggregation	<i>not started</i>

MWI698	0%	Task manager: multiple queries	<i>not started</i>
MWI699	0%	Task manager: interactions with user	<i>not started</i>
MWI701	0%	Data Release tools	<i>not started</i>
MWI702	0%	Documentation	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Cribbs Chris

Reported xx/xx/xx

Other Activities

Daues Greg

Reported 09/24/09

ID	Percent	Task	Comments
MWI655	100%*	Refactor harness	
MWI656	0%	Pipeline shutdown mechanisms	<i>not started</i>
MWI664	0%	Freeze-drying clipboards: Harness support	<i>not started</i>
MWI106	0%	Work to support communication of general serializable types over MPI	<i>not started</i>
MWI107	0%	Develop mechanisms for identifying/accessing	<i>not started</i>
MWI113	0%	Improving harness exception handling	<i>not started</i>
MWI660	25%	Improve simple, interactive harness execution: infrastructure	
MWI709	25%	Improve simple, interactive harness execution: interface	

- With respect to MWI655, Ticket 924 for the new Stage API has been reviewed, merged to trunk, and tagged (pex_harness 3.4).
- Work on MWI660 MWI709 continues under the auspices of ticket 1014. Some work has been checked in but more additions are forthcoming.

*Percent updated in this report

Comments:

Other Activities

Gehrig David

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI47	0%	build warnings if unittest doesn't satisfy DC3 coverage requirement	<i>not started</i>
MWI52	0%	any failures cause automatic 'Failed Nightly Build' ticket at high priority	<i>not started</i>
MWI54	0%	any failure causes automatic 'Failed Production sanity check' ticket at high priority	<i>not started</i>
MWI55	0%	auxiliary automatic notification to highest authority on failure (separate from ticket notification)	<i>not started</i>
MWI57	0%	Standards: specify requirement to version and archive build's provenance;	<i>not started</i>
MWI58	0%	Configuration Management: define procedure to satisfy that requirement;	<i>not started</i>
MWI59	0%	Configuration Management: implement its instantiation.	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Hanushevsky Andy

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI165	0%	support persistence and retrieval of deep detection products and inputs	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Krughoff Simon

Reported xx/xx/xx

ID	Percent	Task	Comments
0%		life-support services	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Laher Russ

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI481	0%	Python	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Lim KT

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI691	0%	Partitioning: design partitioning of MovingObject? table	<i>not started</i>
MWI698	0%	Task manager: multiple queries	<i>not started</i>
MWI699	0%	Task manager: interactions with user	<i>not started</i>
MWI702	0%	Documentation	<i>not started</i>
MWI160	0%	capturing full SW/HW info	<i>not started</i>
MWI159	0%	demonstrating re-creation of Calibrated Science Images	<i>not started</i>
MWI165	0%	support persistence and retrieval of deep detection products and inputs	<i>not started</i>
MWI465	0%	implement objectId synchronization between data releases (not DC3)	<i>not started</i>
MWI180	0%	persistence framework refinement	<i>not started</i>
MWI643	0%	Upgrade OutputStage? to register outputs	<i>not started</i>
MWI644	0%	Implement simple, non-Policy retrieval	<i>not started</i>
MWI645	0%	App Class: remove need to declare friend classes	<i>not started</i>
MWI646	0%	App Class: remove intrusiveness of Boost persistence	<i>not started</i>
MWI647	0%	App Class: legacy file-based persistence/retrieval	<i>not started</i>
MWI648	0%	Python pers: investigate efficiency of methods	<i>not started</i>
MWI649	0%	Python pers: define app class interface	<i>not started</i>
MWI650	0%	Implement simple non-Policy persistence	<i>not started</i>
MWI651	0%	Upgrade InputStage?	<i>not started</i>
MWI652	0%	Generic ORM: mapping attributes to columns	<i>not started</i>
MWI653	0%	Generic ORM: collection persistence and retrieval	<i>not started</i>
MWI663	0%	Freeze-drying clipboards: design	<i>not started</i>
MWI669	0%	Determine segment images over a given sky tile	<i>not started</i>
MWI670	0%	LRU cache for raw segment images	<i>not started</i>
MWI671	0%	LRU cache for calibrated science exposures	<i>not started</i>
MWI672	0%	Write/retrieve images to disk/tape	<i>not started</i>
MWI673	0%	Determine, retrieve cutout areas over given sky tile	<i>not started</i>
MWI675	0%	Write to co-add template pixel store on sky tile basis	<i>not started</i>
MWI674	0%	Determine template pixels overlaying given coords	<i>not started</i>
MWI676	0%	Retrieve template pixels	<i>not started</i>
MWI677	0%	Investigate local disk use for postage stamp generation	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Monkewitz Serge

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI690	25%*	Partitioning: research htm/healpix/stomp/dif	
MWI692	0%	Implement generic query partitioner	<i>not started</i>
MWI693	75%*	Tools for partitioning data	
MWI696	0%	DC3b syntax parser and aggregation	<i>not started</i>
MWI465	0%	implement objectId synchronization between data releases (not DC3)	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

Pietrowicz Steve

Reported xx/xx/xx

ID	Percent	Task	Comments
MWI665	50%	Expose Event API	working on adding types and reworking serialization
MWI666	0%	Scripts to monitor for node/pipeline failures	<i>not started</i>
MWI667	0%	Python-based high-level event monitor scripts	<i>not started</i>
MWI228	25%	Event system failover	
MWI658	0%	I/O stage for interactive pipeline launch	<i>not started</i>
MWI659	50%	Refactor Orca	Now working on integration with ABE with Condor and DAGman
MWI538	0%	Event Monitor integration	<i>not started</i>
MWI589	0%	Pipeline Fault Tolerance	<i>not started</i>
MWI570	0%	Events orchestration layer support	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

- Reviewed Condor/Globus? documentation for pending DAGman addition to Orca
- Added Globus/Condor? software to common area for everyone to use.

Plante Ray

Reported 11/24/09

ID	Percent	Task	Comments
MWI624	50%*	User preferences directory	Additional testing will be done via a release while working on other tasks below.
MWI625	50%*	Support user/server tags	same as above
MWI626	0%	Improve packages installation/declaration	initial planning started
MWI627	25%	Improve EUPS Docs	
MWI628	0%	Meta releases	<i>not started</i>
MWI629	0%	User publishing of packages to server	<i>not started</i>
MWI631	0%	As-built manifests into install directories	<i>not started</i>
MWI632	0%	Make SConsUtils dependency on EUPS optional	<i>not started</i>
MWI633	0%	Upgrade SConsUtils for latest Scons	<i>not started</i>
MWI641	0%	Logging tasks	<i>not started</i>

*Percent updated in this report

Comments:

Other Activities

- Travel: IVOA Meeting in Munich; 11/9-13
- Preparations for December Review took priority over DC3 tasks
- assisting Freemon in assessment of available hardware resources

Major Accomplishments

Significant breakthroughs, issues resolved.

Objectives for the Next Period

What you expect to accomplish.

NCSA

LSSTC

Database Group

Problems Encountered and Solutions Being Pursued

Budget or schedule variance, technical issues, management issues.

NCSA

LSSTC

Database Group