

CMS Project Office Twiki Page

List of Active Projects

Project Name	Description	Status	Leader	Home Area	Estimated Completion Date	Needs
Disk Tape Separation	Project to introduce better disk management by logically separating the archive and disk storage	Completed (7/7 sites complete)	Nicolo Magini	PO	31/12/2013	Sufficiently provisioned
Data Federation Deployment	Xrootd based data Federation for fallback, interactive access and general wide area access to remote storage from running applications	In Progress (50% Tier-1 Complete and 80% Tier-2 complete)	Ken Bloom	PO	31/03/2014	Site Effort Needed to Complete and 6FTE months stress testing and hardening
Dynamic Data Placement and Cache Release	Dynamic active creation and deletion of datasets at the Tier-2 centers based on popularity and victor recommendations	Concept Phase	NA	PO	30/09/2014	Team and Leader Needed (a leader and 2 implementers for 6 months)
Opportunistic Computing	Program to expand CMS operations into new types of non-dedicated resources	Prototype	Dirk Hufnagel	PO	30/09/2014	Testing Effort Needed and implementation effort for diverse resources (1FTE of new integration effort for high value opportunistic sites)
Cloud Computing	Deployment and Commissioning to use Cloud Computing interfaces to processing and storage	Prototype	David Colling	Dynamic Resource Provisioning	31/12/14	2 FTE
Multi-Core	Move to multi-core	Multicore pilots running	Antonio Perez-Calero	Integration	31/10/2014	Staffed at minimal level

	scheduling	at all CMS T1s see project twiki				
Tier-0	Modification of the Tier-0 for submission to OpenStack, Tier-1, and Opportunistic resources	Concept Phase	Dirk Hufnagel	WMDevelopment	30/09/2014	Development Effort Needed (1FTE)
Distributed Analysis Submission	CRAB3 Production Development and Deployment	Prototype	Brian Bockelman/Daniele Spiga	WMDevelopment	31/03/14	Testing Effort Needed
iCMS Refactor	Refactoring and Production deployment of Collaboration Services	Exploratory	NA	PO	NA	Effort needs to be clarified (PH-CMG)
PhEDEx Security Model	PhEDEx security model rework	Design Phase	Tony Wildish	DM Development	30/09/2014	Validation Effort Needed
Information System Redesign	Adoption of a common, lighter weight, and more dynamic information system for CMS services, resource provisioning, and resource discovery	Design Phase	NA	WM Development	30/09/2014	Leader and implementers needed (6FTE months in 2014)
Shift Evolution	Automation and transition of the CSP shift systems for 2015	Exploratory	NA	Operations	31/12/2014	3FTE months
Site Readiness and Monitoring Improvements	Migration and streamlining of SAM and HC tests for Run2	Design	NA	Operations	31/12/2014	3FTE months
Simplification of Submission Infrastructure	Introducing a more consistent single submission and resource provisioning system	Prototype	James Letts, Dave Mason	Operations	31/12/2014	3FTE months
Archival Services	Archive services for user files	Design	NA	Development	30/06/2014	3FTE months
CMS Space Monitoring	Report of how space is used at each site including datasets outside the official CMS	Development	Natalia Ratnikova	Development	30/6/14	3 FTE months

datasets				
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List of Activity Areas

Activity Name	Description	Status	Leader	Home Area	Needs
cmsweb	CMS Production Service Deployment	Production	Diego de Silva Gomez	PO	Minimal Effort Available
Production Tools	Continued work on streamlining and maintenance of production tools	Maintenance	Eric Vaandering	WMDevelopment	Development Effort Needed (1FTE additional needed in 2014)

This topic: CMSPublic > CompProjOffice

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