

Integration and Sites

Rob Gardner
Area Coordinators Meeting
4/16/09

Current Initiatives

- Integration
 - Infrastructure
 - ITB 0.9.2 for OSG 1.0.1
 - Admin doc improvements
- Sites coordination
 - Workshops
 - Online support
 - OSG 1.0.1 deployment support
- Documentation alignment

Update on ITB Schedule

- ITB being managed by Suchandra Thapa
- ITB 0.9.2 – the update to OSG 1.0
- Schedule as reported 2-5-2009:

Date	Task
Jan 7, 2009	VDT ready for testing
Jan 7-12	Install on VTB sites
Jan 12-31, 2008	Install on ITB sites
Feb 1-15	Validating ITB sites
Feb 15 - Feb 28	VO Validation
Mar 2 - Mar 6	Production packaging and final checks
Week of Mar 9	Release

- Expect to release OSG 1.0.1 April 22

OSG 1.0.1 Upgrade

- New version of Globus (many bug fixes)
- Improved WS Gram configuration
- Improved GIP
- Improved CEMon
- Improved GUMS
- New authorization protocol (PRIMA & GUMS & SEs)
- Improved Bestman
- New VDT updater script
- Many other bug fixes in VDT

ITB 0.9.2 CE Testing Summary

- 12 sites participating
- 14 validation processes
- Any VO supported
- Site level installations
 - CE, wn-client, osg-client, glExec, GUMS

Site Name	Contact	Site Verify	VORSBDII	ReSS	Gratia	WS Gram	GUMS	RSV Probes	RSV Sys	VOMRS	VO Interop	Clients	SQUID	glExec
Instructions ★	-	SiteVerify	VORSBDII	ReSS	Gratia	WSGram	GUMS	RSV probes	RSV sys	VOMRS	VO WLCG	Clients	Squid	GlExec
Persistent ITB														
FNAL_FERMIGRID_ITB	SteveT	✓	✓	✓	✓	✓		✓	✓		✓	✓		
BNL_ITB_Test1	XinZhao	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓
UC_ITB	Suchandra	✓	✓	✓	✓	✓	✓	✓	⚠	⚠	✓			⚠
LBNL_DSD_ITB	KeithJackson	✓	✓	✓	✓	✓	✓	✓			✓			
CIT_ITB_1	Michael	✓	✓	✓	✓	✓	✓	✓		⚠			✓	✓
LIGO_CIT	Robert	✓												
ITB Test Sites														
TTU	AlanS	✓	✓	✓	✓	✓	✓							
CMS_Burt_ITB	Burt													
LBNL_VTB	Iwona	✓	✓	✓	✓	✓					⚠			
OUHEP_ITB	HS, KA	✓	✓	✓	✓	✓	⚠	✓	✓	⚠	✓	⚠	✓	⚠
CIGI-ITB	Anand	✓	✓	✓	✓	✓	✓	✓	✓		⚠	✓		
Purdue-ITB	Fengping										⚠			

OSG Storage in the ITB

- BNL_TEST_SE BeStMan-Xrootd
 - NERSC_bestman BeStMan 2.2.0.102.2
 - FNAL_FERMIGRID_ITB_SE dCache-SL5_64-2.1.7
 - UC_ITB_SE_DCACHE dcache-SL4_32-2.2.28
 - UC_ITB_SE_BESTMAN BeStMan-Xrootd
-
- Also:
 - LIGO-CIT-ITB testing of BestmanGateway over Hadoop
 - ASTP: vdt-dcache 2.3.0 (dcache 1.9.2-4) testing at UC_ITB_SE_DCACHE

ITB 0.9.2 SE Testing Summary

SE Bestman Validation

Resource Name	Contact	Post-Install validation	Testing by LBL	Transfers Gratia Probe	Storage GIP-BDII	RSV Storage Probe
		Standard post-install validation	Validate Monitoring	Validate Gratia Probe	Validate GIP	Validate RSV
LBNL_VTB_SE (NERSC_bestman)	IwonaSakrejda	✓	✓	✓	✓	✓
UC_ITB_SE_BESTMAN	Suchandra Thapa	✓	✓			✓

Edit table

SE dCache Validation























































Note: dCache was not upgraded during this cycle. However checks were made with new clients in this release.






Resource Name	Contact	Post-Install validation	Testing by LBL	Transfers Gratia Probe	Storage GIP & BDII	RSV Storage Probe
		Standard post-install validation	Validate Monitoring	Validate dCache Gratia	Validate GIP	Validate RSV
FNAL_FERMIGRID_ITB_SE	StevenTimm	no update	✓			
UC_ITB_SE_DCACHE	Suchandra Thapa	no update	✓			✓

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VO Validation

- Coordinated by Abhishek
- 6 VOs, 5 persistent ITB sites

Site Name / VO Name			ATLAS 			CDF 			CMS 			Dzero 			FERMILAB 			LIGO 		
Contacts			RobG			DonatellaL			FrankW			JoelS			KeithC			KentB		
Persistent ITB			CE	SE	ALL	CE	SE	ALL	CE	SE	ALL	CE	SE	ALL	CE	SE	ALL	CE	SE	ALL
FNAL_FERMIGRID_ITB	SRM	SteveT	-	-	-				-	-	-		-						-	
BNL_ITB_Test1	SRM	XinZ	-	-	-			-	-	-	-		-			-	-		-	
UC_ITB	SRM	SuchandraT							-	-	-		-			-			-	
LBNL_DSD_ITB	SRM	KeithJ	-	-	-				-	-	-		-			-			-	
CIT_ITB_1		MichaelT	-	-	-		-						-			-			-	
Test sites (for specific VOs)																				
CMS_Burt_ITB		Burth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
...		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FeedBack:			ATLAS			CDF			CMS			Dzero			FERMILAB			LIGO		

Notation:	 VO has given green flag	 VO work is in progress	 VO response awaited	 Site has passed validation	 Needs site's attention
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VDT Updater Script

- Developed by the software team to easy transition
- Updater tested from 1.10.1u to v, and from e to v.
- Pacman -update tested from u to v
- Needs integrated documentation/guidance to admins

Site Name	Components being tested	Update Method	Installed Preupdate software	Validated	Backed Up	Updated	Validated Post Update	Comments
UC_ITB	CE, client, wn, best,man	Both	✓	✓	✓			
LBNL	Bestman, client, wn	Updater	✓	✓	✓	✓	✓	clients via the updater, Bestman manually
FNAL	CE, wn, client, Bestman-gateway	Both	✓	✓	✓	✓	✓	CE, client via vdt-updater, wn-client via pacman - update
BNL	CE, client	Updater	✓		✓			
LIGO_CIT	CE, wn, client	Pacman	✓		✓			
TTU (Possibly)	CE	Pacman						

Documentation in ITB 0.9.2

- During ITB 0.9.2 site admin guide receiving updates in various sectors (major makeovers in storage, eg.)
- Keith Jackson / LBL assigned to track issues
 - Established use of RT to track doc issues

12659	DOC: incremental update docs krjackson@lbl.gov	new 43 hours ago	OSG-ITB	krjackson@lbl.gov 43 hours ago	None 0
12660	DOC: advertise max wall clock time krjackson@lbl.gov	new 43 hours ago	OSG-ITB	krjackson@lbl.gov 43 hours ago	None 0
12663	DOC: check that Alex updated Bestman docs krjackson@lbl.gov	new 43 hours ago	OSG-ITB	krjackson@lbl.gov 43 hours ago	None 0
12664	DOC: new ITB site documentation krjackson@lbl.gov	new 43 hours ago	OSG-ITB	krjackson@lbl.gov 43 hours ago	None 0
12665	DOC: replicate VOMS for redundancy krjackson@lbl.gov	open 43 hours ago	OSG-ITB	krjackson@lbl.gov 17 hours ago	None 0
12666	DOC: clear statement of difference between Bestman and Bestman-Gateway krjackson@lbl.gov	new 42 hours ago	OSG-ITB	krjackson@lbl.gov 42 hours ago	None 0

Future of OSG documentation

- Last meeting we defined the goals of a documentation alignment initiative
 - Review the documentation available for users, engagement, site, VO and security administrators and training schools and identify areas where we can make more consistent, complete and aligned information
 - Improve the structure and maintenance of the twiki web site itself. Provide ways for dynamic comment and editing for immediate contributions
- Jim Weichel is working in this area
 - Making charts of a documentation system
 - Interviewing customers & providers
 - Studying other group's documentation
 - Defining a process making necessary changes for OSG
- Need to indentify path forward and make initial steps
- Possible face-to-face meeting of contributors

Sites Coordination

- Current focus on deployment process preparations
 - Packages and Caches
 - Documentation transition
 - Pre-announce installations
 - Upgrade support to sites
- Online support launched - regular Campfire chats (16 hours per week, team effort)
 - Uneven participation for
 - Good for targeted troubleshooting but email still the first choice
 - Searchable transcripts available
- Workshops
 - Site administrators at the AH workshop
 - EOT schools: South Carolina, New Mexico, NC coming
 - Site administrators workshop planning for Indianapolis Aug 6-7

Personnel

- New core Integration and Sites project team
- Rob Gardner - $\frac{1}{2}$ FTE lead
- Marco Mambelli - $\frac{1}{2}$ FET - Sites Area
- Suchandra Thapa - 1 FTE - ITB
- Iwona S - $\frac{1}{2}$ FTE -VTB, ITB validation
- Keith Jackson - $\frac{1}{2}$ FTE - ITB, Doc tracking
- Robert Engle - $\frac{1}{2}$ FTE - LIGO focused, getting experience with ITB