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Status of CERN BDII production service

This twiki summarises the deployment status of CERN production top, site and SAM BDII's, summarizing the list actions that are pending to be up to date with the latest versions, and describing the associated risk with the current deployed versions.

Status January 2014

Summary

Some upgrades are pending and some configurations need to be fixed, but none of these pending actions are critical as explained in detail in the table below.

site BDII

Pending actions	Associated risk	Involved packages
Upgrade ldap info provider	The latest version contains fixes affecting mostly top BDII's, but it would be good to upgrade to have the latest version installed	glite-info-provider-ldap
Cache should be 0	For some reason only one of the three nodes behind the alias has the cache validity set to 0. site BDII's should be configured with no cache and in the CERN site BDII this has been configured like a top BDII. When the site BDII defines a cache, the total time a glue object is cached in the system is site BDII cache + top BDII cache, and we only want to have top BDII cache. In any case, this is not a problem since we want to increase the top BDII cache to 4 days and currently is set up to 12h	glite-yaim-bdii

top BDII

Pending actions	Associated risk	Involved packages
Upgrade ldap info provider	A major fix released in the latest version was applied manually at CERN machines. It would be good to upgrade to the latest version to get the remaining fixes and new features	glite-info-provider-ldap
Decommission FCR	No issue since the list of blacklisted resources produced by SAM returns an empty list	bdii-config-top and EMI top metapackage
Increase cache to 4 days	This is a desired configuration to be able to cache objects for a longer period of time, but there is no issue to have the previous default of 12h configured since this value has been working in production for several months without major problems	glite-yaim-bdii
Upgrade delete delay plugin	It contains a fix to correctly publish state attributes to 'Unknown'. This is a recent feature so it's not an issue to have a buggy version since no critical services are relying on this	glite-info-plugin-delayed-delete-status

SAM BDII

Pending actions	Associated risk	Involved packages
		glite-info-provider-ldap

Upgrade ldap info provider	A major fix released in the latest version was applied manually at CERN machines. It would be good to upgrade to the latest version to get the remaining fixes and new features	
Increase cache to 4 days	This is a desired configuration to be able to cache objects for a longer period of time, but there is no issue to have the previous default of 12h configured since this value has been working in production for several months without major problems	glite-yaim-bdii
Upgrade delete delay plugin	It contains a fix to correctly publish state attributes to 'Unknown'. This is a recent feature so it's not an issue to have a buggy version since no critical services are relying on this	glite-info-plugin-delayed-delete-status

Detailed Deployment

site BDII

Packages

Package	Latest released version	Deployed version (the same in all nodes)	Comments
bdii	5.2.22-1	 sitebdii01: 5.2.22-1 sitebdii02: 5.2.22-1 sitebdii03: 5.2.22-1	
glue-schema	2.0.10-1	 sitebdii01: 2.0.10-1 sitebdii02: 2.0.10-1 sitebdii03: 2.0.10-1	
glite-info-provider-service	1.13.1-1	 sitebdii01: 1.13.1-1 sitebdii02: sitebdii03: 1.13.1-1	
glite-yaim-bdii	4.3.15.-1	 sitebdii01: 4.3.14-1 sitebdii02: 4.3.14-1 sitebdii03: 4.3.14-1	
glite-info-provider-ldap	1.4.8-1	 sitebdii01: 1.4.6-1 sitebdii02: 1.4.6-1 sitebdii03: 1.4.6-1	
bdii-config-site	1.0.7-1	 sitebdii01: 1.0.7-1 sitebdii02: 1.0.7-1 sitebdii03: 1.0.7-1	
glite-info-site	0.4.0-1	 sitebdii01: 0.4.0-1 sitebdii02: 0.4.0-1 sitebdii03: 0.4.0-1	
glite-info-static	0.2.0-1	 sitebdii01: 0.2.0-1 sitebdii02: 0.2.0-1 sitebdii03: 0.2.0-1	

Configuration

Variable	Recommended value	Configured value
BDII_DELETE_DELAY	0	 sitebdii01: 43200  sitebdii02: 43200  sitebdii03: 0

top BDII

Packages

Package	Latest released version	Deployed version (the same in all nodes)
bdii	5.2.22-1	✔ topbdii01: 5.2.22-1 topbdii02: 5.2.22-1 topbdii03: 5.2.22-1 topbdii04: 5.2.22-1 topbdii05: 5.2.22-1
glue-schema	2.0.10-1	✔ topbdii01: 2.0.10-1 topbdii02: 2.0.10-1 topbdii03: 2.0.10-1 topbdii04: 2.0.10-1 topbdii05: 2.0.10-1
glite-info-provider-service	1.13.1-1	✔ topbdii01: 1.13.1-1 topbdii02: 1.13.1-1 topbdii03: 1.13.1-1 topbdii04: 1.13.1-1 topbdii05: 1.13.1-1
glite-yaim-bdii	4.3.15-1	▲ topbdii01: 4.3.14-1 topbdii02: 4.3.14-1 topbdii03: 4.3.14-1 topbdii04: 4.3.14-1 topbdii05: 4.3.14-1
glite-info-provider-ldap	1.4.8-1	▲ topbdii01: 1.4.6-2 topbdii02: 1.4.6-2 topbdii03: 1.4.6-2 topbdii04: 1.4.6-2 topbdii05: 1.4.6-2
bdii-config-top	1.0.10-1	▲ topbdii01: 1.0.8-1 topbdii02: 1.0.8-1 topbdii03: 1.0.8-1 topbdii04: 1.0.8-1 topbdii05: 1.0.8-1
glite-info-plugin-fcr	Decommissioned	▲ topbdii01: 3.0.5-1 topbdii02: 3.0.5-1 topbdii03: 3.0.5-1 topbdii04: 3.0.5-1 topbdii05: 3.0.5-1
glite-info-update-endpoints	2.0.13-1	✔ topbdii01: 2.0.13-1 topbdii02: 2.0.13-1 topbdii03: 2.0.13-1 topbdii04: 2.0.13-1 topbdii05: 2.0.13-1
glite-info-plugin-delayed-delete-status	1.0.1-1	▲ topbdii01: 1.0.0-1 topbdii02: 1.0.0-1 topbdii03: 1.0.0-1 topbdii04: 1.0.0-1 topbdii05: 1.0.0-1

Configuration

Variable	Recommended value	Configured value (the same in all the nodes)
BDII_DELETE_DELAY	345600	▲ topbdii01: 43200 topbdii02: 43200 topbdii03: 43200 topbdii04: 43200 topbdii05: 43200

SAM BDII**Packages**

Package	Latest released version	Deployed version (the same in all the nodes)
bdii	5.2.22-1	✅ samdii01: 5.2.22-1 sambdii02: 5.2.22-1 sambdii03: 5.2.22-1
glue-schema	2.0.10-1	✅ sambdii01: 2.0.10-1 samdii02: 2.0.10-1 sambdii03: 2.0.10-1
glite-info-provider-service	1.13.1-1	✅ samdii01: 1.13.1-1 samdii02: 1.13.1-1 samdii03: 1.13.1-1
glite-yaim-bdii	4.3.15-1	▲ sambdii01: 4.3.14-1 sambdii02: 4.3.14-1 sambdii03: 4.3.14-1
glite-info-provider-ldap	1.4.8-1	▲ sambdii01: 1.4.6-2 sambdii02: 1.4.6-2 sambdii03: 1.4.6-2
bdii-config-top	1.0.10-1	▲ sambdii01: 1.0.8-1 sambdii02: 1.0.8-1 sambdii03: 1.0.8-1
glite-info-plugin-fcr	Decommissioned	Decommissioned
glite-info-update-endpoints	2.0.13-1	✅ sambdii01: 2.0.13-1 sambdii02: 2.0.13-1 sambdii03: 2.0.13-1
glite-info-plugin-delayed-delete-status	1.0.1-1	▲ sambdii01: 1.0.0-1 sambdii02: 1.0.0-1 sambdii03: 1.0.0-1

Configuration

Variable	Recommended value	Configured value (the same in all the nodes)
BDII_DELETE_DELAY	345600	▲ sambdii01: 43200 sambdii02: 43200 sambdii03: 43200

User Support

SNOW tickets	Comments	Status
INC403545, INC403548, INC438590, INC450720, INC454558	Tickets related to the buggy FCR mechanism that triggered its final decommission	Fixed

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INC440554	Request to disable FCR mechanism in SAM BDII (even before it was decided to completely decommission the FCR)	Fixed
INC463781	Ticket where we have realized site BDII didn't have cache set to 0	Open

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This topic: EGEE > CERNBDII

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