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FTS Service Dash Board Notes

These notes describe the evaluation of the FTS service for the LCG production. The status is summarised on the WlcgScDash pages.

For details of the method, see WlcgScDashNotes.

Requirements

Assess	Question to set assessment color if not available
Green	Service class defined for calendar periods: class C in all periods
Green	Disk space requirements defined: minimal local disk
Green	Database requirements defined: Oracle 10g on RAC
Green	Middleware components defined: FTS web-service, FTA channel and VO agents, EGEE.BDII
Green	Connectivity requirements defined : FTS web-service nodes incoming on 8443(tomcat5 [java]). FTA channel agent nodes: outgoing to all T0 and T1 SRM and gridFTP clusters.
Yellow	Backup objects defined (directories, databases): Oracle Database for app state. Config currently in AFS (yaim site config file).
Green	High level diagram of services: See FtsWlcg for diagram

Development

Assess	Question to set assessment color if not available
Green	Code delivered and installation images available: part of gLite-3.0.0 release
Green	Code certified
Green	Administration Guide available: FtsServerAdmin15 from FtsRelease15 documentation
Yellow	Problem Determination Guide available: FTSSmokeTestAndActions (but needs to be updated)
Green	Middleware pre-requisites (web server, LDAP, ...) defined: VDT, LDAP, Tomcat5 app server, Oracle InstantClient

Hardware

Assess	Question to set assessment color if not available
Green	CPU power required for application: mid-range server machine OK
Green	Memory requirement for application: medium-to-high memory requirement for FTS web-service and channel agents (2-4GB), low-memory for VO agents (< 2GB)
Green	Inventory of hardware components defined v: Specified in FtsWlcg
Green	Machines available: fts10[1-9]
Green	Machines installed in appropriate location within data centre (UPS,Network) : Installed in LCG network
Green	Database server and disk space allocated : Database backend on LCG Oracle RAC Cluster

Operations

Assess	Question to set assessment color if not available
Green	2nd level support organisation defined (who to call when there is a problem with the application or middleware) : Support teams defined in GGUS

Green	Mechanism to contact 2nd level organisation : GGUS
Yellow	Response time for 2nd level organisation : Best Effort
Green	List of machines where service is running defined: See FtsWlwg#Overview
Yellow	List of configuration parameters and their values for the software components: still held in AFS rather than ncm. File: /afs/cern.ch/project/gd/SC3/SC4/yaim/agents-split-between-fts101-and-fts102/site-info.def ncm in progress.
Green	List of processes to monitor : Defined (tomcat5, bdi, glite-transfer agent daemons).
Green	List of file systems and their emergency thresholds for alarms : Defined (standard)
Green	Application status check script requirements defined : Integrated into LEMON
Green	Definition of scheduled processes (e.g. cron) : Managed by QUATTOR and YAIM
Green	Test environment defined and available : subcluster machines fts00[1-5] allocated.
Green	Problem determination procedures including how to determine application vs middleware vs database issues : Operator and Sysadmin procedures in OPM
Green	Procedures for start/stop/drain/check status defined : in FtsServerAdmin15 and FtsProcedures15.
Green	Automatic monitoring of the application in place : FTS web-service and FTA agents integrated into LEMON.
Green	DB backup procedures defined in BackupPolicyManagers

Related Documents

Link	Description
ScFourTechnicalQuestionnaire	SC4 Evaluation for a product
ScFourServiceTechnicalFactors	Documentation of technical information regarding an SC4 product or service

This topic: LCG > WlwgScDashFts

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