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CCRC'08 Service Map

Overview

The CCRC'08 ServiceMap [is](#) a tool for displaying different aspects of the service readiness of the WLCG Computing Infrastructure. the list of services are those provided by the WLCG experiments.

There are currently three different view components:

- Service Readiness - An evaluation of the service against a list of common deployment questions
- Service Availability - Availability of a service
- Experiment supplied data - this is data provided by the experiment frameworks to show their view of different aspects of the service e.g. reliability, throughput, usage, etc...

Components

Service Readiness

The **Service Readiness map** is designed to show how ready a service by looking at the maturity of the software, the service in general in terms of documentation, process and procedures and the specific deployment at a site. Each question is scored between 0 and 1 (or - if not relevant), and the overall readiness is the average of the individual questions. The questions are in three sections, each dealing with a different aspect:

- Software Readiness
- Service Readiness
- Site Readiness

Software Readiness

Question	Comments
High-level description of service available?	with architecture diagam
Middleware dependencies and versions defined?	OS deps, M/W deps, platforms supported
Code released and packaged correctly?	Repository + Tagging process, rpms/tarballs
Certification process exists?	
Automatic Configuration code exists?	e.g. Yaim, NCM, ...
Admin Guides available?	Installation, monitoring, problem determination

Service Readiness

Question	Comments
Disk, CPU, Database, Network requirements defined?	
Monitoring criteria described?	
Problem determination procedure documented	
Support chain defined (2nd/3rd level)?	
Backup/restore procedure defined?	

Site Readiness

Question	Comments
Suitable hardware used	

Monitoring implemented	
Test environment exists	
Problem determination procedure implemented	
Automatic configuration implemented	
Backup procedures implemented and tested	

Service Availability

The **Service Availability map** shows availability for the VO Critical services. This currently uses either SAM or SLS for the actual results gathered. There is a single configuration file which controls what is displayed in the gridmap. It is a tab separated file, which is shown below:

VO	Service	Rank	Comment	Tier	Data Quality	Data Source	Data Query	Data Tier
LHCb	CERN VO boxes	10			0	no results for VO	SAM	VOBOX T0
LHCb	CERN LFC service			10	0	no results for VO	SAM	LFC T
LHCb	VOMS proxy service			10		no results for VO	SAM	VOMS T
LHCb	T0 SE	7		0	SLS	CASTORLHCb	T0	
LHCb	T1 VOboxes	7			1	no results for VO	SAM	VOBOX T1
LHCb	SE access from WN			7	0,1		T0,T1	
LHCb	FTS channel	7			both CERN to/from T1 & inter T1		SAM	FTS T

The important field here are :

Field	Usage
VO	Which VO map to show this entry in
Service	The text shown in the box
Rank	The size of the box
Data Source	Where does the data come from - SAM or SLS
Data Query	The query to use to the source -e.g. SAM node type, or SLS metric name
Data Tier	0, 1,2 - defines it it shows when you select a specific site

The file is stored in the WLCG Grid Monitoring SVN Repository:

<https://www.sysadmin.hep.ac.uk/svn/grid-monitoring/trunk/ccrc08/config/datafiles>. To update the map, you should modify the file `servicelist.txt`. This is automatically synchronized with `gridmap.cern.ch` every five minutes.

Experiment View

This topic: LCG > CCRCServiceMapDescription

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