A few pieces of News from IT/PES

CERN IT Department
CH-1211 Genève 23
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www.cern.ch/it

Outline

- VOBox SLS Review
- New OS Update procedure
- Enabling netlog
- Remote syslog service

VOBox SLS Review

- Service Level Status (http://sls.cern.ch/sls/)
  - Display service availability
  - In a accurate manner (no hardcode “green”)
- Some services on VOBoxes:
  - are not displayed
  - are obsolete (see example)
  - CERN special facilities replaced by per-service ones
- Up to each VOC to review it:
  - SLS Manual for service managers
  - https://twiki/twiki/bin/view/FIOgroup/SLSManualForSM

Service Level Status overview

Home | Search | KPIs | Tags | Admin | Documentation | Help

CERN Special Facilities dedicated to VOs/experiments

21 Sep 2010 Tue 10:42:01

Special Facilities

availability: (more)

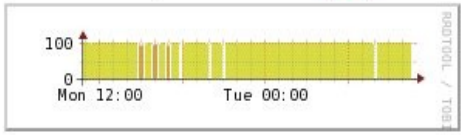
percentage: 99%

status: affected

this service consists of:

- Special Facility (ALICE)
- Special Facility (ARDA)
- Special Facility (ATLAS)
- Special Facility (CMS)
- Special Facility (GRID)
- Special Facility (LHCb)

availability in the last 24 hours (more):



Additional information

full name: **CERN Special Facilities dedicated to VOs/experiments**

short name: Special Facilities

group: IT-FIO

site: CERN

email: **Helpdesk@cern.ch**

Availability update

last update: 10:32:06, 21 Sep 2010 (10 minutes ago)

expires after: 60 minutes

rss feed with status changes

Part of (subservice of):

Services for physics

Admin

admin tools

SLS by CERN IT/CF

SLS.Support@cern.ch

Service Level Status overview

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CERN Special Facility (atlas)

21 Sep 2010 Tue 10:47:41

Service information

full name: **CERN Special Facility (atlas)**
short name: Special Facility (ATLAS)
group: IT/FIO
site: CERN

email: **Helpdesk@cern.ch**

manager: **Ricardo Salgueiro Domingues Da Silva**

Service availability (more)

availability:
percentage: 99%
availability info: This service is partially available: 1 out of 174 tested nodes are not reachable. 1 out of 174 tested nodes do not provide monitoring information.
(adcbuilder is up.
atldbmon1 is up.
atlddm06 is up.
atlddm08 is up.
atlddm09 is up.
atlddm10 is up.
atlddm12 is up.
atlddm13 is up.
atlddm14 is up.

Part of (subservice of):

Special Facilities
Services for ATLAS

Subservices

none / not declared

Clusters, subclusters and nodes

none / not declared

Depends on

this service uses:
Kerberos

Depended on by

none / not declared

New OS Update Procedure

- Agreed in ELFms meeting; Announced in CCSR
  - Emergency Updates (OS snapshots provided)
  - Responsibility where it belongs (no unknown intervention)
- VOC defines policy for cluster OS update:
  - OS update frequency needs vary
  - Uses OS time-stamp

    prod/cluster/<CLUSTERNAME>/osdateversion.tpl

    variable ELFMS_OSDATE ?= “20100916”;
  - New ELFMS_OSDATE every Saturday and in special occasions
  - More at: https://twiki/twiki/bin/view/ELFms/OsUpdates

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Enabling netlog2

- SLC5 Kernel module.
- logs the opening and closing of network ports by process and user id: forensics.
- Recipe to enable it.
  - 1) Include file.
  - 2) Disable exception.
  - 3) Reboot or run commands.
  - 4) Check metric.
  - 5) Enable exception.
  - https://twiki/twiki/bin/view/FIOgroup/FsVOBoxVOCConf#Netlog2

Remote syslog service

- Central Server gathering all syslogs
  - Only accessible by security team
  - For forensics purposes
- Easy recipe:
  - include { 'components/syslog/remote_headnode' };
  - spma_wrapper.sh + ncm_wrapper.sh syslog