



Derek Feichtinger ::

# CMS VO Contact Report for T2\_CH\_CSCS

WLCG SwissOps Meeting 21. Jan 2021



**1** CMS Overview

**2** Monitoring Status Graphs

**3** Trouble Tickets



## 1 CMS Overview

## 2 Monitoring Status Graphs

## 3 Trouble Tickets



# Overview 1

- major problem due to CMS Tier-2 storage space filled (GGUS 150477)
  - CMS not using CSCS for any more productions, user jobs have problems staging out
  - issue arose due to CMS reverting to pledge value that was based on TB instead of TiB

DDM quota (80% of pledge):  $0.8 * 2110 \text{ TB} \Rightarrow 1688 \text{ TB}$

$0.8 * 2110 \text{ TB} * 1e12/2^{40} \text{ TiB/TB} \Rightarrow 1535.2 \text{ TiB}$



## Overview 2

- Today: Problems with xrootd on storage01.lcg.cscs.ch:1094 no longer serving files to CNS
  - failing CMS tests. Users impacted. . . probably a lot of jobs impacted
  - based on discussions this morning, CMS is supposed to not use storage01:1094, since that door is dedicated to ATLAS. **But the present CMS configuration has been in place for many years.**
  - No records on the details of the whole CSCS setup. There is some documentation on the redirector on cms02.lcg.cscs.ch that is used by the global CMS xroot service to show all sites in a single global namespace  
<https://wiki.chipp.ch/twiki/bin/view/LCGTier2/CmsOX>
- Require confirmation from CMS ops that they adapt factories to bot Arc-CEs now pointing to the single **wlcg** queue

## Requirement

We need some way to synchronize our common knowledge of the system. Difficult to keep an overview



# Topic

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# CMS site status based on SAM for CSCS

## T2\_CH\_CSCS Site Status Detail (Th, 2021-Feb-11 12:39 GMT)

Metric	Prev. Month	Previous Week	Yesterday	UTC Today	Following Week
Downtime(s)	[Progress bar]				
SAM (1day)	[Progress bar]				
HC (1day)	[Progress bar]				
FTS (1day)	[Progress bar]				
SiteReadiness (1day)	[Progress bar]				
Life Status	[Progress bar]				
Life Override	[Progress bar]				
Prod Status	[Progress bar]				
Prod Override	[Progress bar]				
Crab Status	[Progress bar]				
Crab Override	[Progress bar]				
GGUS tickets:	[150477]	[150484]	[150585]		
SAM Status	[Progress bar]				
Hammer Cloud	[Progress bar]				
FTS Status	[Progress bar]				
Site Readiness	[Progress bar]				
Summary	[Progress bar]				
arc04.lcg.cscs.ch / ARC-CE					
SAM Status	[Progress bar]				
Downtime(s)	[Progress bar]				



# CSCS queue plots 7 days







# CSCS queue plots 1 month

wlwg-swissops-cms-20210211-att/  
cscs-local-mon-20210211-135230.png



Status of pilots



Frontend pressure



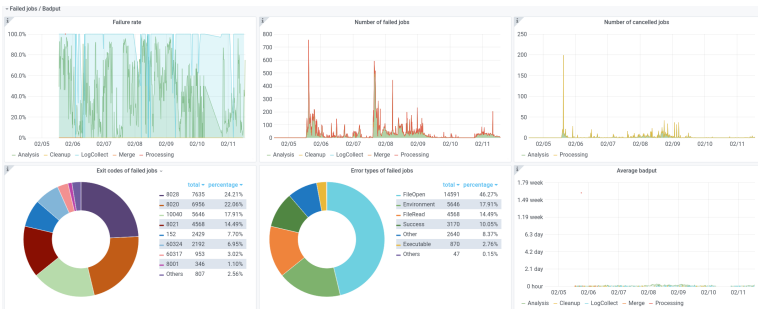


# CMS job types





# CMS job failures





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## GGUS Tickets and requests

Link to [open CSCS related GGUS tickets](#)

Ticket-ID	Priority	Status	Date	Subject
<a href="#">149166</a>	less urgent	DONE	2020-10-22	CVMFS Squids at CSCS
<a href="#">147830</a>	less urgent	DONE	2020-07-13	Enabling TPC transfers over davs
<a href="#">150585</a>	urgent	prbly solved	2021-02-11	XRootD-read tests for one CE failing
<a href="#">150477</a>	urgent	mitigated	2021-02-09	CMS full storage

- RO-Access to dcache DB for running the DB space usage tool. Still pending.
  - received on cms03 yesterday, but due to current trouble cases not yet tested