



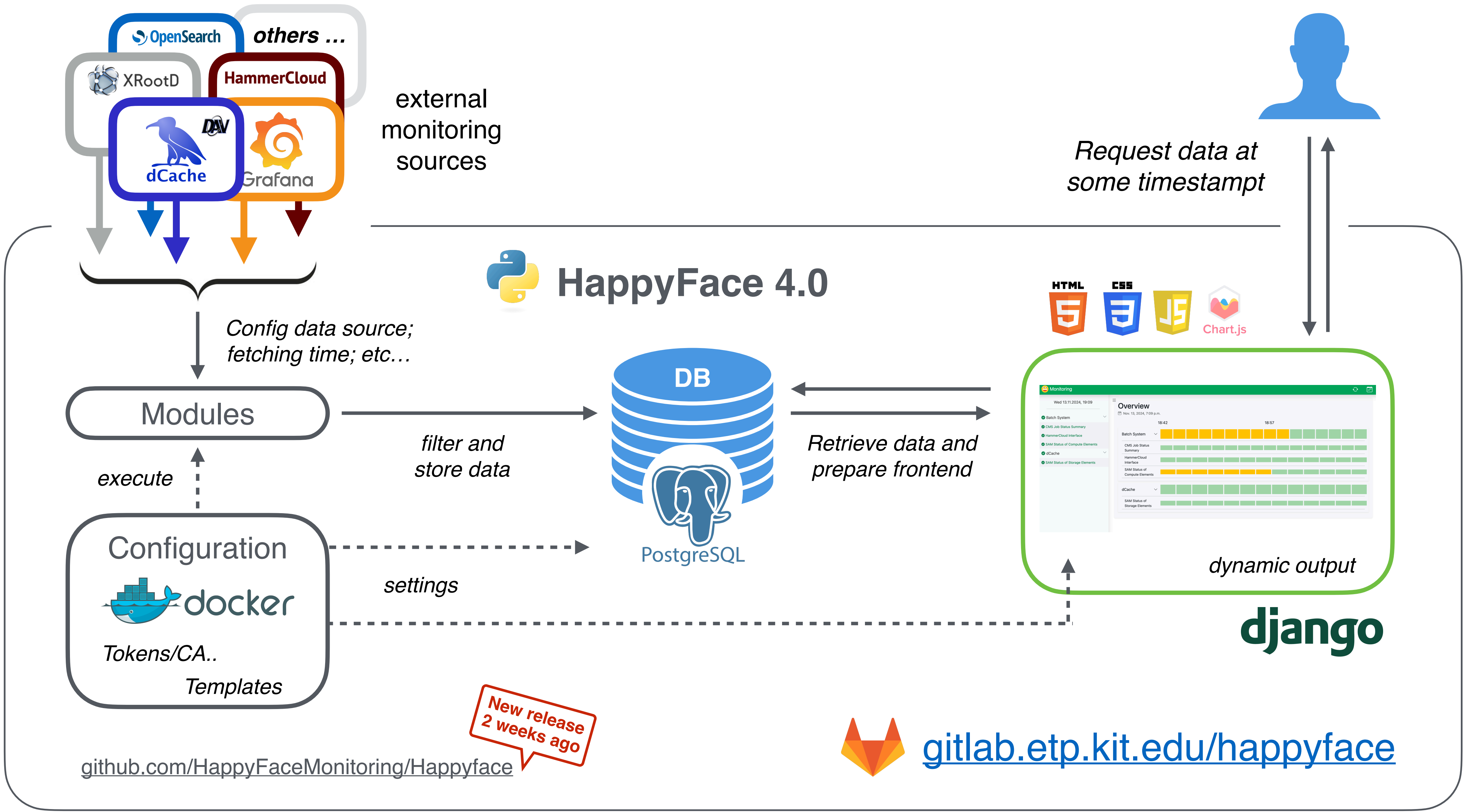
# Status of HappyFace in Hamburg

Ana Andrade

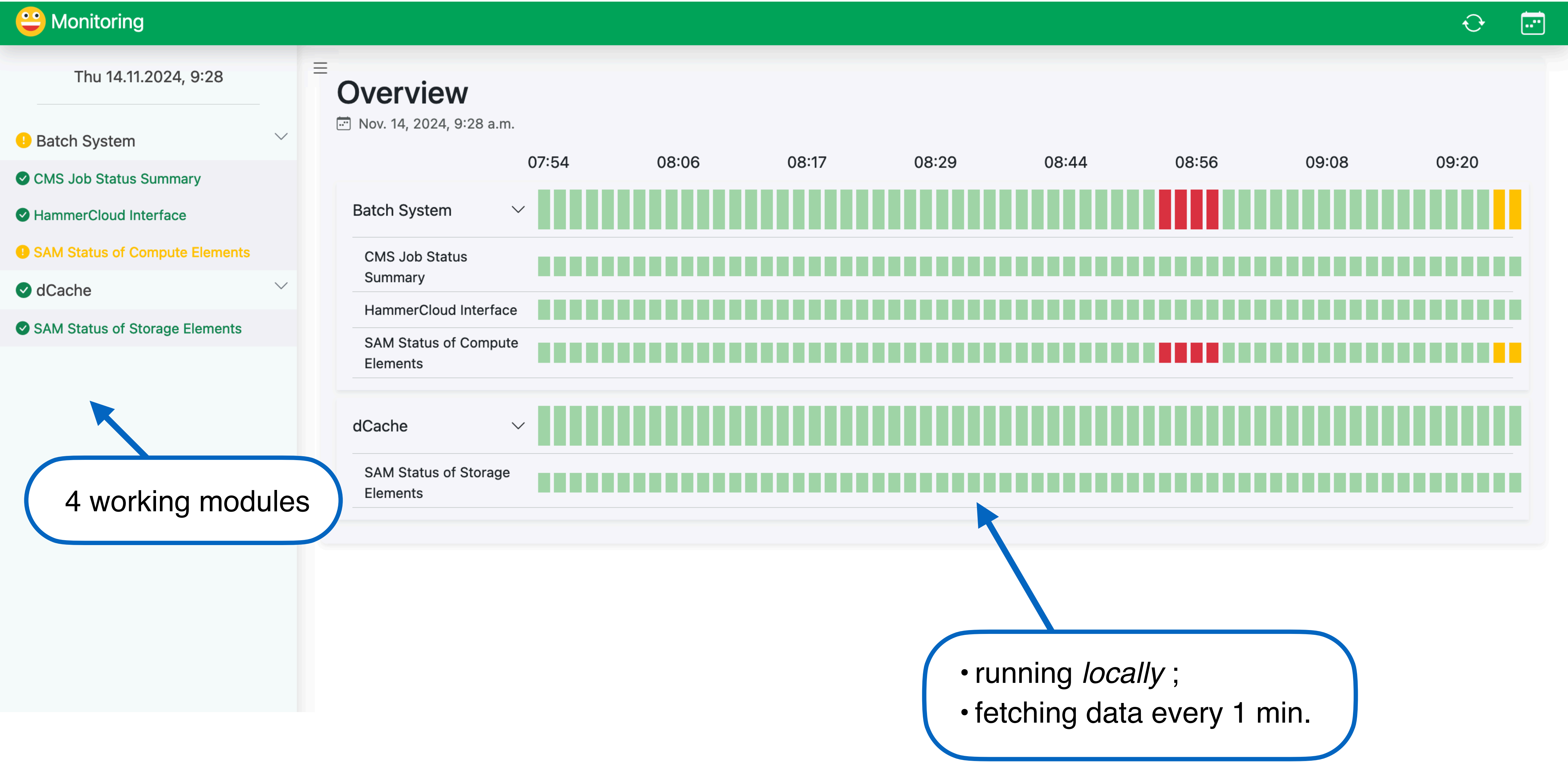
14.11.2024 | DCMS Computing Team Meeting



➔ HappyFace 4.0 is a meta-monitoring tool developed at KIT.



➔ **HappyFace for UHH/DESY** : setup [./HappyFaceCore](#) (branch “uhh”) ; modules [./uhh-hf4-analyses](#)



➔ HammerCloud

✓

HammerCloud Interface

Nov. 13, 2024, 10:48 a.m. [More analysis information](#)

Analysis

hammercloud

Instance

hammercloud

Description

Interface to HammerCloud showing running tests on various sites

Status

Ok

Data source

<https://hammercloud3.cern.ch/hc/app/cms/>

State

Id

Host

Template

Start (CET)

End (CET)

Region

Sites

subm jobs

run jobs

comp jobs

fail jobs

fail %

tot jobs

running

109851

hammercloud-ai-07

203: functional T2 CH CELERY.clone.94

13/Nov, 6:44

14/Nov, 5:20

CERN Tier-0

T2\_CH\_CERN, T2\_RU\_IHEP, T2\_RU\_INR, 4 more...

190

40

1324

0

0

1554

running

109848

hammercloud-ai-07

204: functional T2 IT CELERY.clone.93

13/Nov, 2:28

14/Nov, 4:04

CNAF

T2\_IT\_Bari, T2\_IT\_Legnano, T2\_IT\_Pisa, 2 more...

984

18

996

0

0

1998

running

109849

hammercloud-ai-22

205: functional T2 US CELERY.clone.95

13/Nov, 4:56

14/Nov, 6:50

FNAL, CRAB3-Sites

T2\_US\_Caltech, T2\_US\_Florida, T2\_US\_MIT, 12 more...

2506

78

2741

3

0

5332

running

109850

hammercloud-ai-21

206: functional T2 UK CELERY.clone.96

13/Nov, 5:16

14/Nov, 6:18

RAL, CRAB3-Sites

T2\_UK\_London\_Brunel, T2\_UK\_London\_IC, T2\_UK\_SGrid\_Bristol, 7 more...

527

41

1873

1

0

2450

running

109855

hammercloud-ai-07

207: functional T2 ES CELERY.clone.97

13/Nov, 12:20

14/Nov, 10:58

PIC

T2\_ES\_CIEMAT, T2\_ES\_IFCA, T2\_PT\_NCG\_Lisbon

310

7

272

77

12

666

running

109856

hammercloud-ai-22

208: functional T2 DE CELERY.clone.98

13/Nov, 15:32

14/Nov, 14:18

KIT, none

T2\_DE\_DESY, T2\_DE\_RWTH, T2\_AT\_Vienna, 3 more...

802

32

498

0

0

1332

Site

TestID

Submitted

Running

Completed

Failed

Killed

Total

Efficiency

T2\_DE\_DESY

[109846](#)

197

5

242

0

0

444

1.0

- Delivers test jobs to grid sites for:
  - a) **stress testing** (by sending a large ammount of jobs)
  - b) **countinous validation** (by sending periodic short jobs)

Status	Efficiency
OK	> 0.98
Warning	<= 0.98
Critical	<= 0.80



➔ SAM (Service Availability Monitoring) Testing

✖

SAM Status of Compute Elements

Nov. 13, 2024, 10:50 a.m. [More analysis information](#)

Analysis

sam\_test

Instance

sam\_test\_compute

Description

Status of the Compute Element Tests.

Status

Critical

Data source

[https://monit-grafana.cern.ch/d/A\\_1kxGmMz/wlcg-sitemon-latest-tests?orgId=20&var-dst\\_country=All&dst\\_federation=All&var-dst\\_hostname=grid-htcondorce0.desy.de&var-dst\\_hostname=grid-htcondorce1.desy.de&var-dst\\_hostname=t2-cms-xrootd01.desy.de&var-dst\\_hostname=t2-cms-xrootd02.desy.de&var-dst\\_hostname=t2-cms-xrootd03.desy.de&metric=All&var-service\\_flavour=All&var-status=All&var-vo=cms](https://monit-grafana.cern.ch/d/A_1kxGmMz/wlcg-sitemon-latest-tests?orgId=20&var-dst_country=All&dst_federation=All&var-dst_hostname=grid-htcondorce0.desy.de&var-dst_hostname=grid-htcondorce1.desy.de&var-dst_hostname=t2-cms-xrootd01.desy.de&var-dst_hostname=t2-cms-xrootd02.desy.de&var-dst_hostname=t2-cms-xrootd03.desy.de&metric=All&var-service_flavour=All&var-status=All&var-vo=cms)

Type	Name	Status
HTCONDOR-CE	grid-htc-ce04.desy.de	Critical
HTCONDOR-CE	grid-htc-ce03.desy.de	Warning
XROOTD	t2-cms-xrootd01.desy.de	OK
XROOTD	t2-cms-xrootd02.desy.de	OK
XROOTD	t2-cms-xrootd03.desy.de	OK

Test details

Status	Errors	Warnings
OK	0	AND 0
Warning	0	AND >=1
Critical	>=1	OR >=4

➔ SAM (Service Availability Monitoring) Testing

✖

SAM Status of Compute Elements

Nov. 13, 2024, 10:50 a.m. [More analysis information](#)

Analysis

sam\_test

Instance

sam\_test\_compute

Description

Status of

Status

Critical

Data source

[https://r](#)  
[dst\\_fed](#)  
[dst\\_hos](#)  
[metric=](#)

Type

HTCONDOR-CE

HTCONDOR-CE

XROOTD

XROOTD

XROOTD

Test details

Show 10 entries

Search:

Type	Name	Status	Test Name	Test Time
HTCONDOR-CE	grid-htc-ce04.desy.de	Critical	org.cms.WN-02cvmfs-/cms-ce-token	13/11/2024, 09:41:03
HTCONDOR-CE	grid-htc-ce04.desy.de	Critical	org.cms.WN-99summary-/cms-ce-token	13/11/2024, 09:41:03
HTCONDOR-CE	grid-htc-ce03.desy.de	Warning	org.cms.WN-02cvmfs-/cms-ce-token	13/11/2024, 09:36:07
HTCONDOR-CE	grid-htc-ce03.desy.de	Warning	org.cms.WN-99summary-/cms-ce-token	13/11/2024, 09:36:07
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-1connection	13/11/2024, 09:34:14
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-3version	13/11/2024, 09:34:15
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-4crt-read	13/11/2024, 09:34:19
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-7crt-write	13/11/2024, 09:34:20
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-6crt-access	13/11/2024, 09:34:20
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-8crt-directory	13/11/2024, 09:34:20

Showing 1 to 10 of 82 entries

Previous

1

2

3

4

5

...

9

Next



➔ SAM (Service Availability Monitoring) Testing

✖

SAM Status of Compute Elements

Nov. 13, 2024, 10:50 a.m.

[More analysis information](#)

Analysis

sam\_test

Instance

sam\_test\_compute

Description

Status of

Status

Critical

Data source

[https://r](#)  
[dst\\_fed](#)  
[dst\\_hos](#)  
[metric=](#)

Type

HTCONDOR-CE

HTCONDOR-CE

XROOTD

XROOTD

XROOTD

Test details

WLCG

Search or jump to...

cmd+k

Home

Dashboards

SiteMon

WLCG SiteMon Test Details

Timestamp	Site	Flavour	Hostname	Metric	Status	Summary
Y-HH	HTCONDOR-CE	grid-htc-ce04.desy.de	org.cms.WN-99summar...	CRITICAL	batch1529.desy.de: CRITICAL: prerequisite check failed	

Show 10 entries

Search:

Type	Name	Status	Test Name	Test Time
HTCONDOR-CE	grid-htc-ce04.desy.de	Critical	org.cms.WN-02cvmfs-/cms-ce-token	13/11/2024, 09:41:03
HTCONDOR-CE	grid-htc-ce04.desy.de	Critical	org.cms.WN-99summary-/cms-ce-token	13/11/2024, 09:41:03
HTCONDOR-CE	grid-htc-ce03.desy.de	Warning	org.cms.WN-02cvmfs-/cms-ce-token	13/11/2024, 09:36:07
HTCONDOR-CE	grid-htc-ce03.desy.de	Warning	org.cms.WN-99summary-/cms-ce-token	13/11/2024, 09:36:07
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-1connection	13/11/2024, 09:34:14
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-3version	13/11/2024, 09:34:15
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-4crt-read	13/11/2024, 09:34:19
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-7crt-write	13/11/2024, 09:34:20
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-6crt-access	13/11/2024, 09:34:20
XROOTD	t2-cms-xrootd03.desy.de	OK	org.cms.SE-XRootD-8crt-directory	13/11/2024, 09:34:20

Showing 1 to 10 of 82 entries

Previous

1

2

3

4

5

...

9

Next

➔ SAM (Service Availability Monitoring) Testing

✓

SAM Status of Storage Elements

Nov. 13, 2024, 11:10 a.m. [More analysis information](#)

Analysis

sam\_test

Instance

sam\_test\_storage

Description

Status of the Compute Element Tests.

Status

Ok

Data source

[https://monit-grafana.cern.ch/d/A\\_1kxGmMz/wlcg-sitemon-latest-tests?orgId=20&var-vo=cms&var-dst\\_experiment\\_site=T2\\_DE\\_DESY&var-service\\_flavour=All&var-dst\\_hostname=dcache-cms-webdav&metric=All&var-status=All](https://monit-grafana.cern.ch/d/A_1kxGmMz/wlcg-sitemon-latest-tests?orgId=20&var-vo=cms&var-dst_experiment_site=T2_DE_DESY&var-service_flavour=All&var-dst_hostname=dcache-cms-webdav&metric=All&var-status=All)

Type	Name	Status
WEBDAV	dcache-cms-webdav.desy.de	OK
XROOTD	dcache-cms-xrootd.desy.de	OK

Test details

Show 10 entries

Search:

Type	Name	Status	Test Name	Test Time
WEBDAV	dcache-cms-webdav.desy.de	OK	org.cms.SE-WebDAV-99summary	13/11/2024, 11:04:14
XROOTD	dcache-cms-xrootd.desy.de	OK	org.cms.SE-XRootD-99summary	13/11/2024, 11:05:41

Showing 1 to 2 of 2 entries

Previous

1

Next

Status	Errors	Warnings
OK	0	0
Warning	0	>=1
Critical	>=1	>=4



➔ SAM (Service Availability Monitoring) Testing

✓

SAM Status of Storage Elements

Nov. 13, 2024, 11:10 a.m. [More analysis information](#)

Analysis

sam\_test

Instance

sam\_test\_storage

Description

Status of the Compute Element Tests.

Status

Ok

Data source

[https://monit-grafana.cern.ch/d/A\\_1kxGmMz/wlcm-sitemon-latest-tests?orgId=20&var-vo=cms&var-dst\\_experiment\\_site=T2\\_DE\\_DESY&var-service\\_flavour=All&var-dst\\_hostname=dcache-cms-webdav&metric=All&var-status=All](https://monit-grafana.cern.ch/d/A_1kxGmMz/wlcm-sitemon-latest-tests?orgId=20&var-vo=cms&var-dst_experiment_site=T2_DE_DESY&var-service_flavour=All&var-dst_hostname=dcache-cms-webdav&metric=All&var-status=All)

Type	Name	Status
WEBDAV	dcache-cms-webdav.desy.de	OK
XROOTD		

Test details

Show 10 entries

Type	Name	Status	Test Name	Test Time
WEBDAV	dcache-cms-webdav.desy.de	OK	org.cms.SE-WebDAV-99summary	13/11/2024, 11:04:14
XROOTD	dcache-cms-xrootd.desy.de	OK	org.cms.SE-XRootD-99summary	13/11/2024, 11:05:41

Showing 1 to 2 of 2 entries

Previous

1

Next

WLCG

Search or jump to...

cmd+k

Home > Dashboards > SiteMon > WLCG SiteMon Test Details

Timestamp	Site	Flavour	Hostname	Metric	Status	Summary
2024-11-13 10:03:39	DESY-HH	WEBDAV	dcache-cms-webdav.de...	org.cms.SE-WebDAV-2ssl	OK	OK - SSL access to endpoint

➔ CMS jobs monitoring

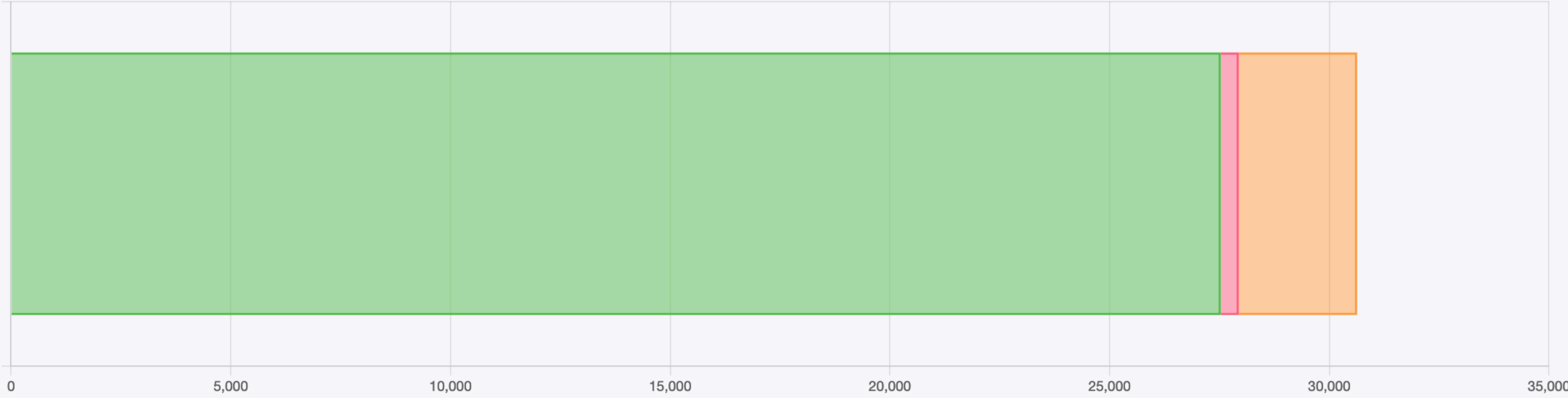
✔ CMS Job Status Summary

Nov. 13, 2024, 10:37 p.m. [More analysis information](#)

Analysis	cms_job_summary
Instance	cms_job_summary
Description	Summary of job states for finished CMS jobs in the last 24 hours
Status	Ok
Data sources	<a href="https://monit-opensearch.cern.ch/dashboards/goto/d4601ab169f639e134af894994dff071">https://monit-opensearch.cern.ch/dashboards/goto/d4601ab169f639e134af894994dff071</a> <a href="https://monit-opensearch.cern.ch/dashboards/goto/73fcec71dd8d0e1bc4f5efb2b0d2030f">https://monit-opensearch.cern.ch/dashboards/goto/73fcec71dd8d0e1bc4f5efb2b0d2030f</a> <a href="https://monit-grafana.cern.ch/d/u_qOeVqZk/wmarchive-monet?from=now-24h&amp;orgId=11&amp;to=now&amp;var-campaign=All&amp;var-jobtype=All&amp;var-host=All&amp;var-jobstate=All&amp;var-exitCodes=All&amp;var-site=T2_DE_DESY&amp;viewPanel=12">https://monit-grafana.cern.ch/d/u_qOeVqZk/wmarchive-monet?from=now-24h&amp;orgId=11&amp;to=now&amp;var-campaign=All&amp;var-jobtype=All&amp;var-host=All&amp;var-jobstate=All&amp;var-exitCodes=All&amp;var-site=T2_DE_DESY&amp;viewPanel=12</a> <a href="https://monit-opensearch.cern.ch/dashboards/goto/eb966e5d74716ab10cefc83c81db6abf">https://monit-opensearch.cern.ch/dashboards/goto/eb966e5d74716ab10cefc83c81db6abf</a> <a href="https://monit-opensearch.cern.ch/dashboards/goto/b3d2feccff70dee4001999da57072f4d">https://monit-opensearch.cern.ch/dashboards/goto/b3d2feccff70dee4001999da57072f4d</a>

Job status summary for the last 24 hours

successfailedanalysis failed



GridKa Tier 2

Number of finished CMS jobs

[Plots of job distributions](#)

[Details on failed jobs](#)

KIT module update  
2 weeks ago



➔ CMS jobs monitoring

✓

CMS Job Status Summary

Nov. 13, 2024, 10:37 p.m. [More analysis information](#)

Analysis

cms\_job\_summary

Instance

cms\_job\_summary

Description

Summary of job states for finished CM

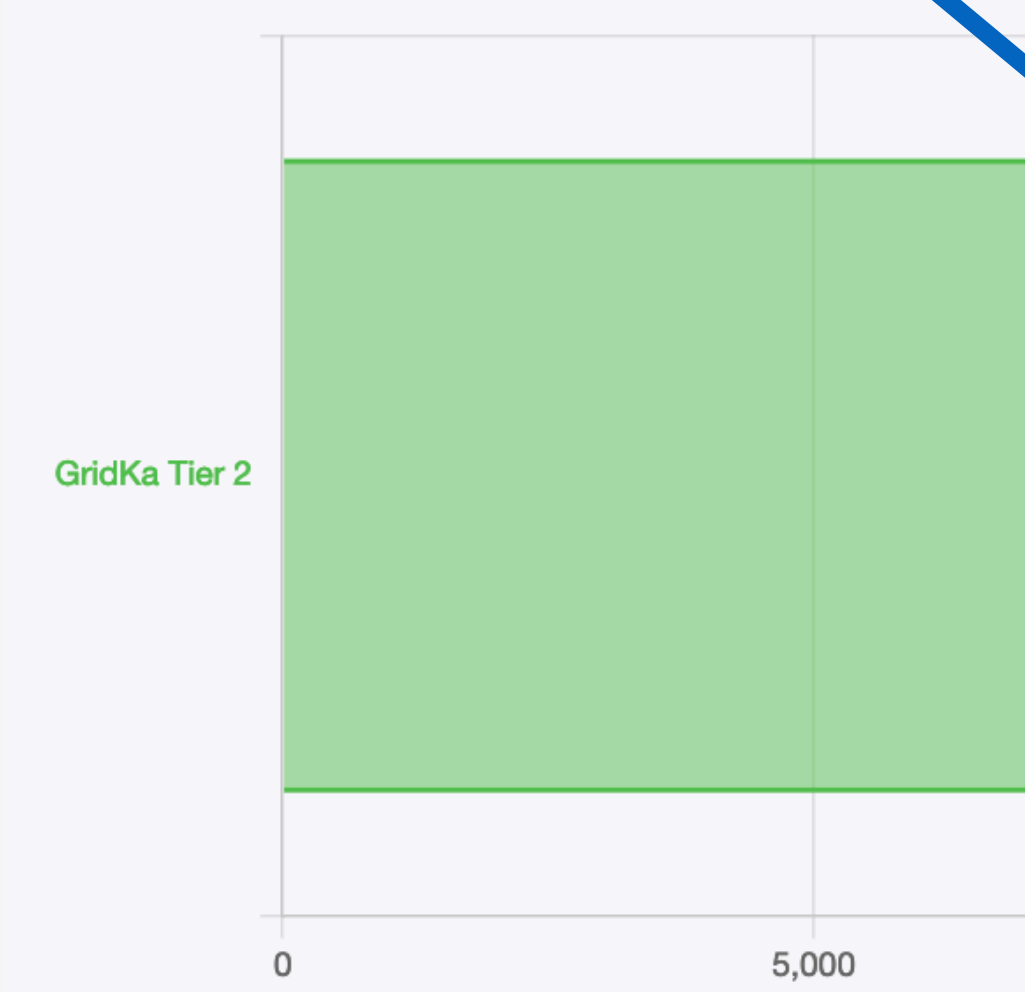
Status

Ok

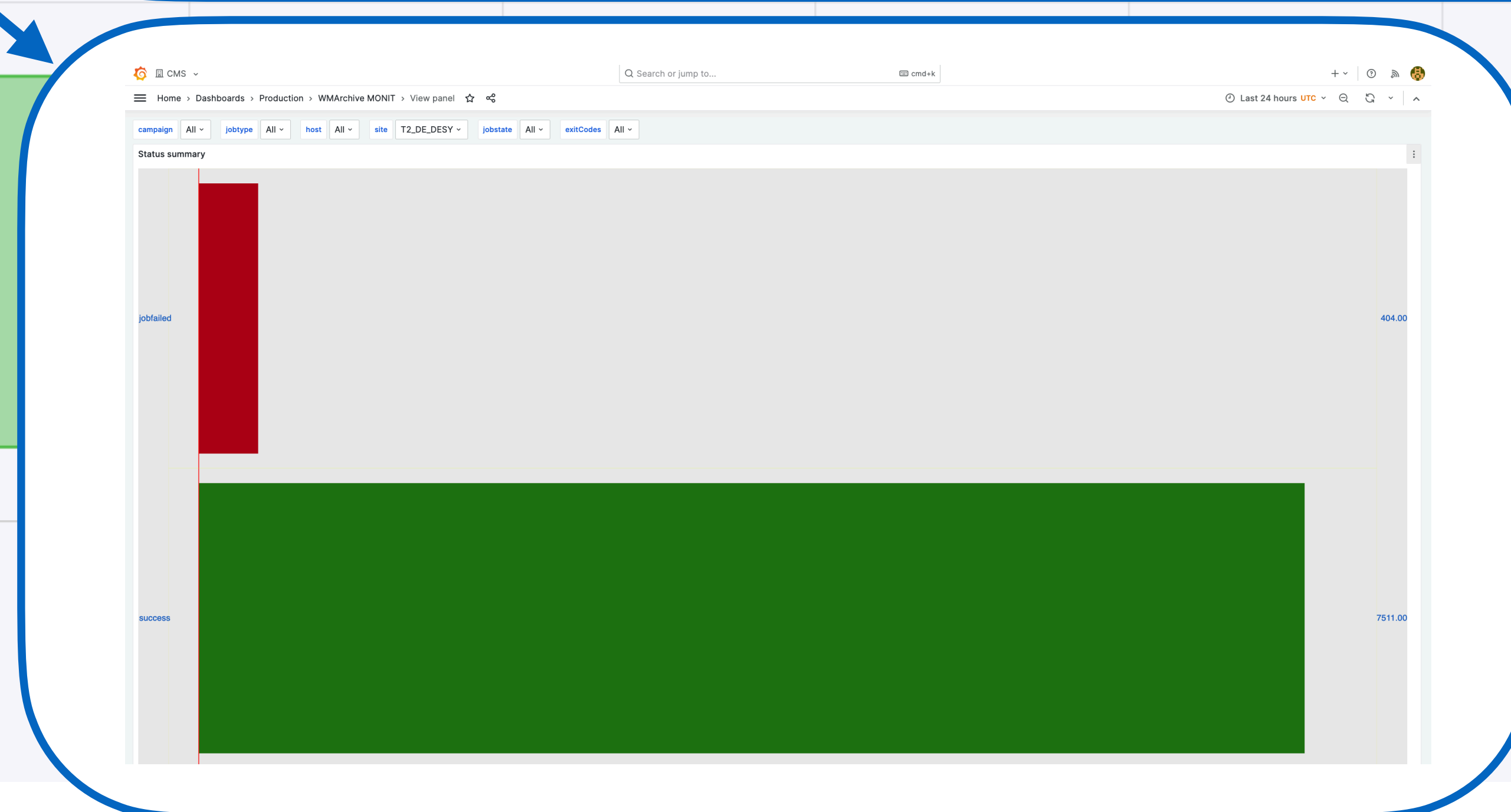
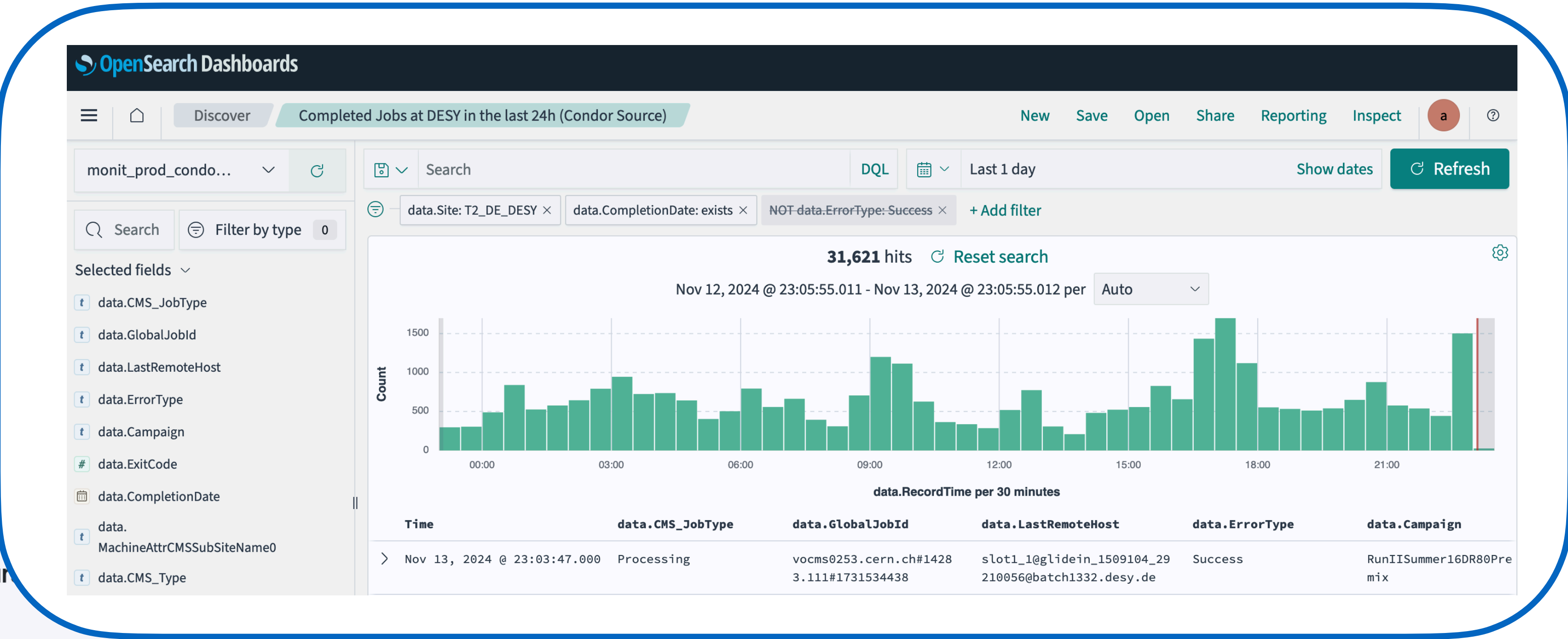
Data sources

<https://monit-opensearch.cern.ch/das...>  
<https://monit-opensearch.cern.ch/das...>  
[https://monit-grafana.cern.ch/d/u\\_qOe...](https://monit-grafana.cern.ch/d/u_qOe...)  
<https://monit-opensearch.cern.ch/das...>  
<https://monit-opensearch.cern.ch/das...>

Job status summary for the last 24 hours



- Plots of job distributions
- Details on failed jobs



➔ CMS jobs monitoring

✔ CMS Job Status Summary

Nov. 13, 2024, 10:37 p.m. [More analysis information](#)

Analysis

cms\_job\_summary

Instance

cms\_job\_summary

Description

Summary of job states for finished jobs

Status

Ok

Data sources

<https://monit-opensearch.cern.ch/>  
<https://monit-opensearch.cern.ch/>  
<https://monit-grafana.cern.ch/d/u...>  
<https://monit-opensearch.cern.ch/>  
<https://monit-opensearch.cern.ch/>

Job status summary for the last 24 hours

Status	Failed jobs	Failed analysis
OK	< 10 %	AND <= 20 %
Warning	10 - 20 %	OR > 20%
Critical	> 20 %	

GridKa Tier 2

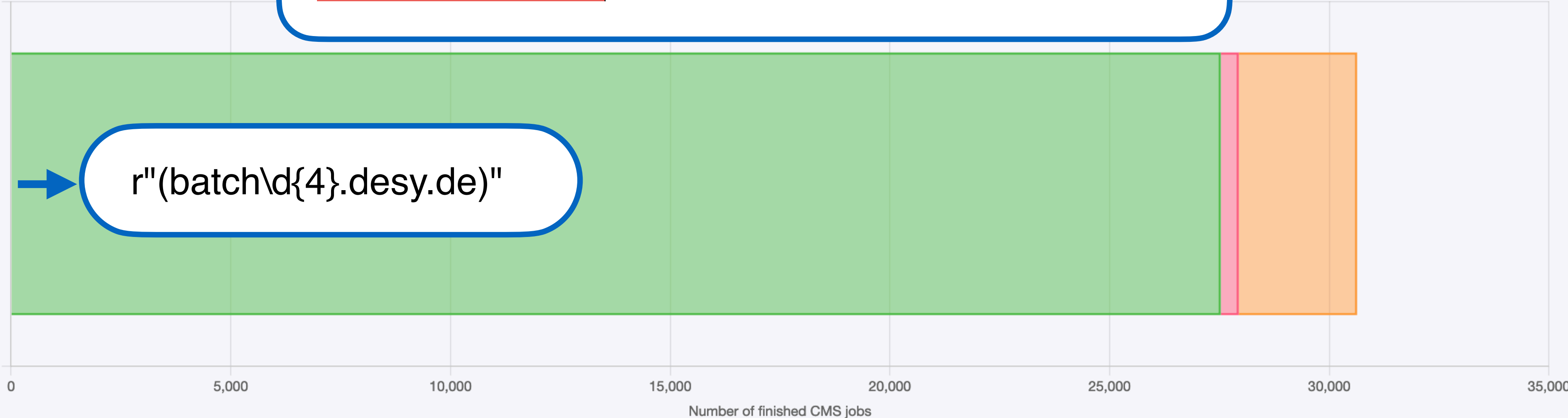
➔ r"(batch\d{4}.desy.de)"

Plots of job distributions

Details on failed jobs

KIT module update  
2 weeks ago

ll&var-exitCodes=All&var-





➔ CMS jobs monitoring

✓

CMS Job Status Summary

Nov. 13, 2024, 10:37 p.m. [More analysis information](#)

Analysis

cms\_job\_summary

Instance

cms\_job\_summary

Description

Summary of job states for finished CMS jobs in the last 24 hours

Status

Ok

Data sources

<https://monit-opensearch.cern.ch/dashboards/goto/d4601ab169f639e134af894994dff071>  
<https://monit-opensearch.cern.ch/dashboards/goto/73fcec71dd8d0e1bc4f5efb2b0d2030f>  
[https://monit-grafana.cern.ch/d/u\\_qOeVqZk/wmarchive-monit?from=now-24h&orgId=11&to=now&var-campaign=All&var-jobtype=All&var-host=All&var-jobstate=All&var-exitCodes=All&var-site=T2\\_DE\\_DESY&viewPanel=12](https://monit-grafana.cern.ch/d/u_qOeVqZk/wmarchive-monit?from=now-24h&orgId=11&to=now&var-campaign=All&var-jobtype=All&var-host=All&var-jobstate=All&var-exitCodes=All&var-site=T2_DE_DESY&viewPanel=12)  
<https://monit-opensearch.cern.ch/dashboards/goto/eb966e5d74716ab10cefc83c81db6abf>  
<https://monit-opensearch.cern.ch/dashboards/goto/b3d2fecff70dee4001999da57072f4d>

KIT module update

2 weeks ago

Job status summary for the last 24 hours

GridKa Tier 2

Plots of job distributions

Details on failed jobs

Show 10 entries

Job Type: 5 items selected

Error Type: 7 items selected

Site: GridKa Tier 2

Search:

Date	Job Type	Campaign	Error Type (Exit Code)	Computing Element	Host	Pilot Id	Global Job Id
13/11/2024, 18:50:05	Production	RunIISummer20UL18GEN, RunIISummer20UL18SIM, RunIISummer20UL18DIGIPremix, RunIISummer20UL18HLT, RunIISummer20UL18RECO, RunIISummer20UL18MiniAODv2, RunIISummer20UL18NanoAODv9	FileOpen 8028	grid-htc-ce04.desy.de	batch1412.desy.de	3937800	<a href="https://vocms0252.cern.ch/#12878.90#1731501487">vocms0252.cern.ch/#12878.90#1731501487</a>
13/11/2024, 18:49:03	Production	RunIISummer20UL18GEN, RunIISummer20UL18SIM, RunIISummer20UL18DIGIPremix, RunIISummer20UL18HLT, RunIISummer20UL18RECO, RunIISummer20UL18MiniAODv2, RunIISummer20UL18NanoAODv9	FileOpen 8028	grid-htc-ce04.desy.de	batch1310.desy.de	3942865	<a href="https://vocms0252.cern.ch/#12877.136#1731501484">vocms0252.cern.ch/#12877.136#1731501484</a>
13/11/2024, 18:40:32	Production	RunIISummer20UL18GEN, RunIISummer20UL18SIM, RunIISummer20UL18DIGIPremix, RunIISummer20UL18HLT, RunIISummer20UL18RECO, RunIISummer20UL18MiniAODv2, RunIISummer20UL18NanoAODv9	FileOpen 8028	grid-htc-ce04.desy.de	batch1529.desy.de	3944152	<a href="https://vocms0252.cern.ch/#13037.152#1731513715">vocms0252.cern.ch/#13037.152#1731513715</a>

log URL to be accessed on /eos

↑

➔ CMS jobs monitoring

✔ CMS Job Status Summary

Nov. 13, 2024, 10:37 p.m. [More analysis information](#)

Analysis

cms\_job\_summary

Instance

cms\_job\_summary

Description

Summary of job states for

Status


Ok

Data sources

[https://monit-opensearch.](#)  
[https://monit-opensearch.](#)  
[https://monit-grafana.cern](#)  
[site=T2\\_DE\\_DESY&viewPa](#)  
[https://monit-opensearch.](#)  
[https://monit-opensearch.](#)

Job status summary for the la

GridKa Tier 2



Plots of job distributions C

Details on failed jobs

Plots of job distributions C

Completion State:  
2 items selected

Job Type:  
6 items selected

Type:  
3 items selected

Extended Job Type:  
15 items selected

Task Type:  
361 items selected

Request Type:  
3 items selected

Campaign Type:  
5 items selected

Sites:  
GridKa Tier 2

Number of Cores:  
1, 2, 4, 8

Worker Nodes:  
208 items selected

All

None

Analysis ✓

MC Ultralegacy ✓

Run2 requests ✓

Run3 requests ✓

UNKNOWN ✓

Fraction of Jobs

1

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

0

0

5

1000

Plots:

- CPU Efficiency;
- Memory Usage [MB] / Nr. Cores;
- Read Time / Wall Time;
- Remote Read Size [GB] / Nr. Cores;
- Read Size [GB] / Nr. Cores.

no data fetching yet ...

CPU Efficiency

KIT module update  
2 weeks ago



## ➡ Project planning

- ☒ Deploy HappyFace 4.0 locally
- ☐ Adapt modules to UHH/DESY setup
  - ☒ hammercloud;
  - ☒ sam\_test\_compute / sam\_test\_storage;
  - ☐ cms\_job\_summary (*in progress*);
- ☐ Transition to the new HappyFace version hosted on GitHub
- ☐ Continue with module adaptation

## ➡ Project planning

- ☒ Deploy HappyFace 4.0 locally
- ☐ Adapt modules to UHH/DESY setup
  - ☒ hammercloud;
  - ☒ sam\_test\_compute / sam\_test\_storage;
  - ☐ cms\_job\_summary (*in progress*);
- ☐ Transition to the new HappyFace version hosted on GitHub
- ☐ Continue with module adaptation

**Thank you for your attention!**



The End