

Table of Contents

| | |
|-------------------------------|----------|
| CentOS7Deployment..... | 1 |
| Introduction..... | 2 |
| Sites..... | 3 |
| Tier1..... | 3 |
| Tier2..... | 3 |

CentOS7Deployment

Introduction

Sites using one of the RHEL distros have to upgrade to an EL7 equivalent by the **1st of June 2019**
GGUS tickets will be opened after this date.

Operating system

- Done: all nodes used by ATLAS are on! CentOS7 equivalent OS and all SL6 Panda Queues are disabled
- In Progress: working on it and/or there are still Panda Queues accessing SL6 resources
- no the site will be decommissioned and not upgraded
- Holdsite is waiting for manpower, machine rooms, shared resources to be upgraded.

singularity

- Yes: singularity is installed or the OSG /cvmfs is in the path and pilot2 can use it
- In Progress: in the process of installing and configuraing

Sites

Tier1

| Site | Cloud | Status | Upgrade Date | Singularity | GGUS | Comment |
|---------------|-------|--------|--------------|-------------|------|---------|
| BNL-ATLAS | US | Done | | Yes | | |
| FZK-LCG2 | DE | Done | | Yes | | |
| IN2P3 -CC | FR | Done | | Yes | | |
| INFN-T1 | IT | Done | | Yes | | |
| NDGF-T1 | ND | Done | | Yes | | |
| NIKHEF-ELPROD | NL | Done | | Yes | | |
| pic | ES | Done | | Yes | | |
| RAL-LCG2 | UK | Done | | Yes | | |
| RRC-KI-T1 | RU | Done | | Yes | | |
| SARA-MATRIX | NL | Done | | Yes | | |
| Taiwan-LCG2 | TW | Done | | Yes | | |
| TRIUMF-LCG2 | CA | Done | | Yes | | |

Tier2

List of Tier2 is from schedconfig. Some T3 are included. 108 Sites in schedconfig (current status 11/10/2019)

- 91 Migrated to CentOS7
- 4 in Progress (all ticketed 18/07/2019)
- 12 will be decommissioned/use another OS or are HPC/cloud

| Site | Cloud | Status | Upgrade Date | Singularity | GGUS | Comment |
|-----------------|-------|--------|--------------|-------------|------|--|
| AGLT2 | US | Done | | Yes | | |
| ANLASC | US | No | | | | HPC Cray wn's are on CLE which is based on SLES. EL7 wn image to be provisioned over singularity. Waiting for single release images. |
| ARNES | ND | Done | | Yes | | |
| Australia-ATLAS | CA | Done | | Yes | | |
| AZ-IFAN | NL | Done | | Yes | | |
| BEIJING-LCG2 | FR | Done | | Yes | | |
| BNL-ATLAS-OPP | US | No | | | | opportunistic resources from OSG non-ATLAS sites, no control by ATLAS |
| BOINC | CERN | Done | | Partially | | Simulation only. For |

| | | | | | | |
|-------------------------|------|------|--|-----|--|--|
| | | | | | | Windows/Mac job runs in CentOS7 VM. For Linux full job runs in Singularity CentOS7 image. For the pilot to use containers here requires enforcing installation of latest Singularity version to allow nested containers. |
| BU_ATLAS_Tier2 | US | Done | | Yes | | |
| CA-SFU-T2 | CA | Done | | Yes | | |
| CA-VICTORIA-WESTGRID-T2 | CA | Done | | Yes | | |
| CA-WATERLOO-T2 | CA | Done | | Yes | | |
| CERN-EXTENSION | CERN | Done | | Yes | | |
| CERN-P1 | CERN | Done | | Yes | | |
| CERN-PROD | CERN | Done | | Yes | | |
| CSCS-LCG2 | DE | Done | | Yes | | |
| CYFRONET-LCG2 | DE | Done | | Yes | | |
| DESY-HH | DE | Done | | Yes | | |
| DESY-ZN | DE | Done | | Yes | | |
| EELA-UTFSM | ES | Done | | Yes | | |
| FMPHi -UNIBA | DE | Done | | Yes | | |
| GoeGrid | DE | Done | | Yes | CLOSED GGUS 142316 ↗ | |
| GR-12-TEIKAV | IT | No | | | CLOSED GGUS 141723 ↗ | Site is not in a working state. For now it will be disabled. It might be transformed to a BOINC site at a later time. |
| GRIF-IRFU | FR | Done | | Yes | | |
| GRIF-LAL | FR | Done | | Yes | | |
| GRIF-LPNHE | FR | Done | | Yes | | |
| HELIX_NEBULA | CERN | No | | | | Decomissioned |
| HEPHY-UIBK | DE | Done | | Yes | | |
| HK-LCG2 | FR | Done | | Yes | | |
| IAAS | CA | Done | | Yes | | Not using singularity on K8s queues |
| IEPSAS-Kosice | DE | Done | | Yes | | |
| ifae | ES | Done | | Yes | | |
| IFIC-LCG2 | ES | Done | | Yes | | |
| IL-TAU-HEP | NL | Done | | Yes | | |

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| | | | | | | |
|--------------------|----|----------------|--|-----|--|---|
| IN2P3 -CC-T3 | FR | Done | | Yes | | |
| IN2P3 -CPPM | FR | Done | | Yes | | |
| IN2P3 -LAPP | FR | Done | | Yes | | |
| IN2P3 -LPC | FR | Done | | Yes | | |
| IN2P3 -LPSC | FR | Done | | Yes | | |
| INFN-COSENZA | IT | Done | | Yes | CLOSED GGUS 142317 ↗ | |
| INFN-FRASCATI | IT | Done | | Yes | | |
| INFN-GENOVA | IT | Done | | Yes | | |
| INFN-LECCE | IT | Done | | Yes | CLOSED GGUS 142318 ↗ | |
| INFN-MILANO-ATLASC | IT | Done | | Yes | CLOSED GGUS 142319 ↗ | |
| INFN-NAPOLI-ATLAS | IT | Done | | Yes | | |
| INFN-ROMA1 | IT | Done | | Yes | | |
| INFN-ROMA3 | IT | Done | | Yes | CLOSED GGUS 142320 ↗ | Not clear if singularity is working 2/9/19 |
| ITEP | RU | Done | | Yes | | |
| JINR-LCG2 | RU | In Progress | | Yes | REOPENED GGUS 142321 ↗ | |
| LBNL_DSD_ITB | US | No | | HPC | | Cray wn's are on CLE. EL7 wn docker image to be provisioned over shifter. Waiting for single release images. |
| LRZ-LMU | DE | Done | | Yes | | |
| LUCILLE | US | No | | | | Will be retired soon |
| MPPMU | DE | Done | | Yes | | |
| MWT2 | US | Done | | Yes | | |
| NCG-INGRID-PT | ES | Done | | Yes | | |
| UIO NDGF-T1 | ND | Done | | Yes | | |
| HPC2N NDGF-T1 | ND | Done | | Yes | CLOSED GGUS 142324 ↗ | |
| DCSC NDGF-T1 | ND | Done | | Yes | | |
| NSC NDGF-T1 | ND | Done | | Yes | | |
| OLCF | US | No | | HPC | | HPC - Titan to be decommission in June, Summit Power 9 chip - singularity will be made available eventually |

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| | | | | | | |
|-------------------------|----|------|--|-----|--------------------------------------|-------------------------------|
| OU_OCHEP_SWT2 | US | No | | | | Will be retired soon |
| OU_OSCER_ATLAS | US | Done | | Yes | | |
| pragueleg2 | DE | Done | | Yes | | |
| PSNC | DE | Done | | Yes | | |
| RO-02-NIPNE | FR | No | | | CLOSED GGUS 141724 ↗ | Site considered decomissioned |
| RO-07-NIPNE | FR | Done | | Yes | | |
| RO-14-ITIM | FR | Done | | Yes | | |
| RO-16-UAIC | FR | Done | | Yes | | |
| RRC-KI | RU | no | | | CLOSED GGUS 142322 ↗ | Site will be retired |
| ru-PNPI | RU | Done | | Yes | CLOSED GGUS 141725 ↗ | |
| RU-Protvino-IHEP | RU | Done | | Yes | CLOSED GGUS 142323 ↗ | |
| SE-SNIC-T2 | ND | Done | | Yes | | LUNARC queues |
| SiGNET | ND | Done | | Yes | | |
| SiGNET -NSC | ND | Done | | Yes | | |
| SWT2_CPB | US | Done | | Yes | | |
| TECHNION-HEP | NL | Done | | Yes | | |
| TOKYO-LCG2 | FR | Done | | Yes | | |
| TR-10-ULAKBIM | NL | Done | | Yes | | |
| TW-FTT | TW | Done | | Yes | | |
| UAM-LCG2 | ES | Done | | Yes | | |
| UKI-LT2-Brunel | UK | Done | | Yes | | |
| UKI-LT2-IC-HEP | UK | Done | | Yes | | |
| UKI-LT2-QMUL | UK | Done | | Yes | CLOSED GGUS 142326 ↗ | |
| UKI-LT2-RHUL | UK | Done | | Yes | CLOSED GGUS 142330 ↗ | |
| UKI-LT2-UCL-HEP | UK | No | | | | Same as GR-12-TEIKAV |
| UKI-NORTHGRID-LANCS-HEP | UK | Done | | Yes | | |
| UKI-NORTHGRID-LIV-HEP | UK | Done | | Yes | | |
| UKI-NORTHGRID-MAN-HEP | UK | Done | | Yes | | |
| UKI-NORTHGRID-SHEF-HEP | UK | Done | | Yes | CLOSED GGUS 142327 ↗ | |
| UKI-SCOTGRID-DURHAM | UK | Done | | Yes | | |
| UKI-SCOTGRID-ECDF | UK | Done | | | | |
| UKI-SCOTGRID-ECDF-RDF | UK | Done | | | | |
| UKI-SCOTGRID-GLASGOW | UK | Done | | Yes | CLOSED GGUS 142328 ↗ | |
| UKI-SOUTHGRID-BHAM-HEP | UK | Done | | Yes | | |
| UKI-SOUTHGRID-CAM-HEP | UK | Done | | Yes | | |

| | | | | | | |
|----------------------|----|-------------|--------------------|-------------|--|--|
| UKI-SOUTHGRID-OX-HEP | UK | Done | | Yes | | |
| UKI-SOUTHGRID-RALPP | UK | Done | | Yes | | |
| UKI-SOUTHGRID-SUSX | UK | In Progress | | | GGUS 142329 ↗ | New admin |
| UNIBE-LHEP | ND | Done | | Yes | | |
| UNI-FREIBURG | DE | Done | | Yes | CLOSED GGUS 142331 ↗ | |
| UNI-SIEGEN-HEP | DE | In Progress | mid/end of july | In Progress | GGUS 142332 ↗ | migration to C7 w/ singularity: testing enrollment; finishing estimated by end of july |
| UTA_SWT2 | US | Done | | Yes | CLOSED GGUS 142333 ↗ | |
| WEIZMANN-LCG2 | NL | Done | | Yes | CLOSED GGUS 142334 ↗ | |
| WISC-ATLAS | US | No | | | | Decomissioned |
| WT2 | US | Done | | Yes | | |
| wuppertalprod | DE | Done | | Yes | | |
| ZA-CHPC | IT | In Progress | | | GGUS 141726 ↗ | |
| ZA-WITS-CORE | IT | Done | | Yes | | |

Major updates:

-- AlessandraForti - 2019-04-04

Responsible: AlessandraForti

Last reviewed by: **Never reviewed**

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