

Template for Weekly Report

When to fill this report: **not earlier than the evening of the last day included in the report.**

(We need to decide which day of the week the reports are created, but since data is mostly taking from the accounting and refers to completed tasks we must allow enough time for most of them to complete, 24 hours).

Instructions:

- write down current time
- edit this page,
- copy everything bellow these lines,
- go back to the previous page,
- create a new entry for the week,
- open the editor,
- paste and follow the instructions (and remove them as you go, lines starting with "=", be careful the twiki editor will break long lines),
- send an e-mail to lhcb-dirac at cern.ch with the link, summaries and time need to fill up the report.

Week from **18052009** to **24052009**

Remember *FinalDate* can not be today, *InitialDate* should include 7 complete days)

You have to report on the activities for the week, including more relevant issues. You have to decide, based on the plots you will be generating and your knowledge of last week activities what are the most relevant issue.

Start by getting a copy of the Daily Reports:

<https://twiki.cern.ch/twiki/bin/view/LHCb/ProductionOperationsWLCGdailyReports> .

Job Statistics

This section is a summary of the WMS activities for last week, number of Successful and Failed jobs executed, for User and Production activities.

For each section:

- * follow the link, in a different tab or window,
- * fix the Initial and Final Dates as given above,
- * generate the plot, save it to your local PC with suggested name (otherwise tags will not match later),
- * take note of the statistics (including main reasons for Job Failures, you will need them later),
- * upload the plot as attachment (you can do this once you have saved all the plots of the section),
- * update the following summary with collected statistics.

- Summary:
 - ◆ Almost XXX K jobs run last week
 - ◆ Over XX% failed
 - ◆ Daily peak of over XX K jobs
 - ◆ XX K Production jobs run to end
 - ◆ XX K User jobs run to the end
 - ◆ XX K Production Jobs Failed
 - ◆ XX K User Jobs Failed

- **Total** number of Jobs by Final Major Status

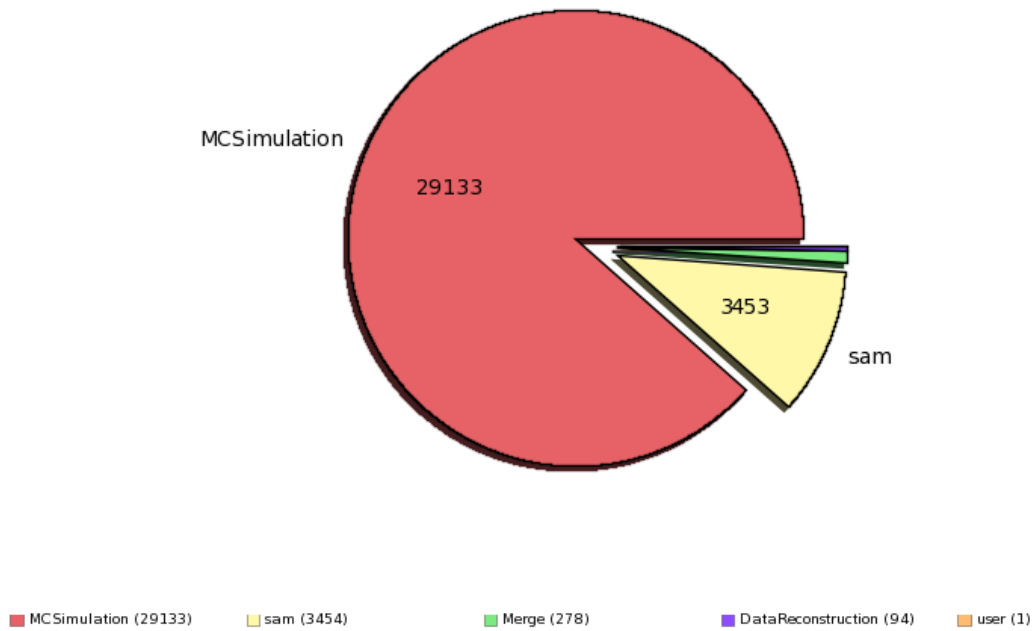
(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

- **Daily** number of Jobs by Final Mayor Status

(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

- **Done|Completed** Jobs by User Group

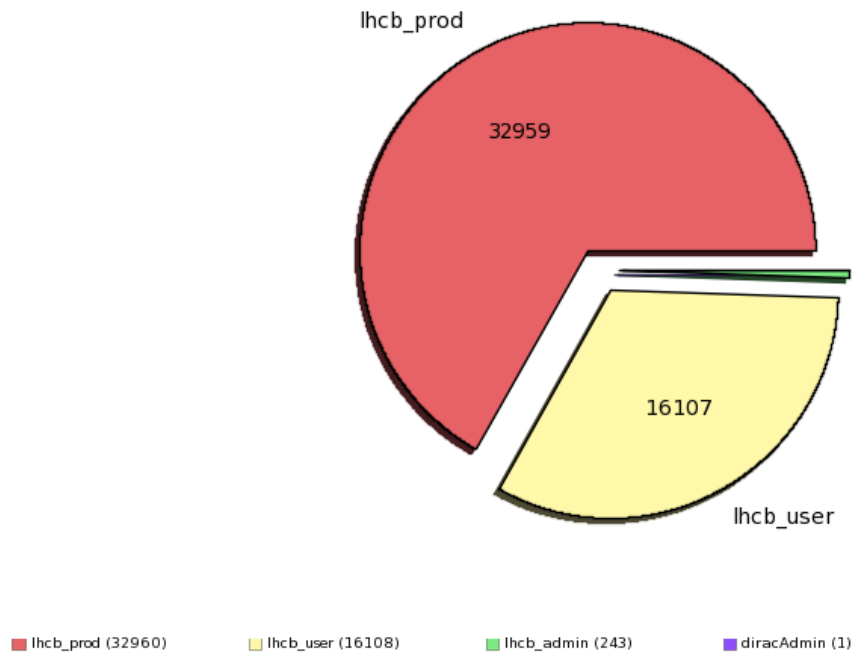
Total Number of Jobs by JobType (Sum: 32959)



(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

- **Done|Completed Production** Jobs by Job Type

Total Number of Jobs by UserGroup (Sum: 49311)



(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

• Failed Jobs by User Group

(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

• Failed Production Jobs by Minor Status

(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

• Failed User Jobs by Minor Status

(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

Running at Tier1's

This section is a summary of the WMS activities for last week at our Tier1s, number of Successful jobs for User and Production activities.

For each section:

- * follow the link, in a different tab or window,
- * fix the Initial and Final Dates as given above,
- * generate the plot, save it to your local PC with suggested name (otherwise tags will not match later),

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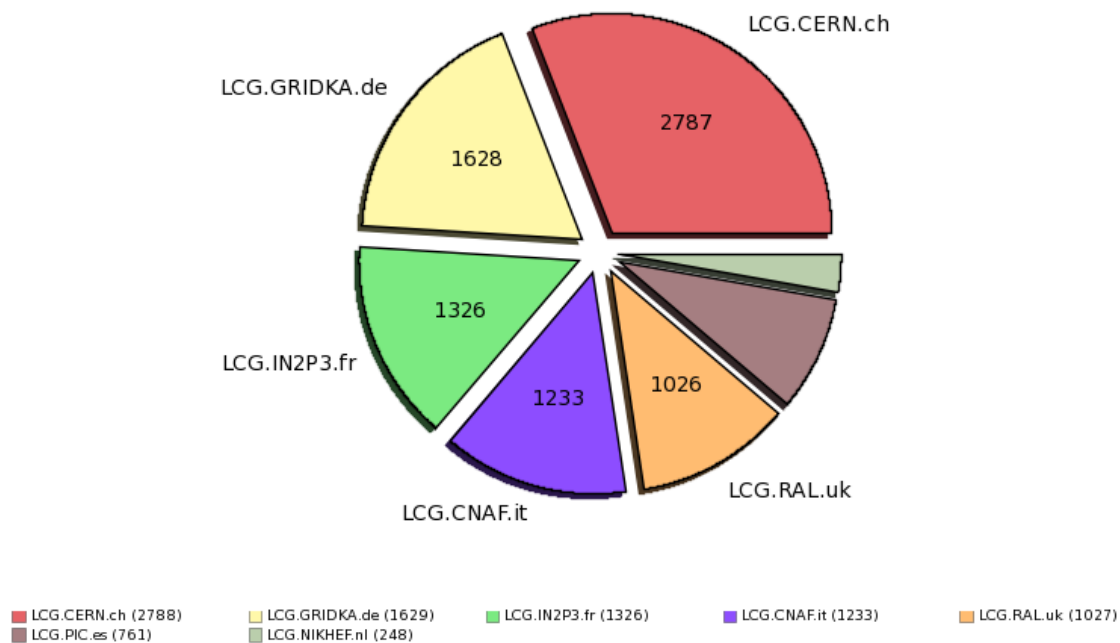
- * take note of the statistics,
- * upload the plot as attachment (you can do this once you have saved all the plots of the section),
- * update the following summary with collected statistics,
- * add comments to the shares of the Tier1s in relation with the Daily Reports.

- **Summary:**

- ◆ XX K Production Jobs at Tier1s
 - ◇ Shares?
- ◆ XX K User Jobs at Tier1s
 - ◇ XX % CERN Share
 - ◇ comment the shares is appropriate

- **Done|Completed Production Jobs by Site**

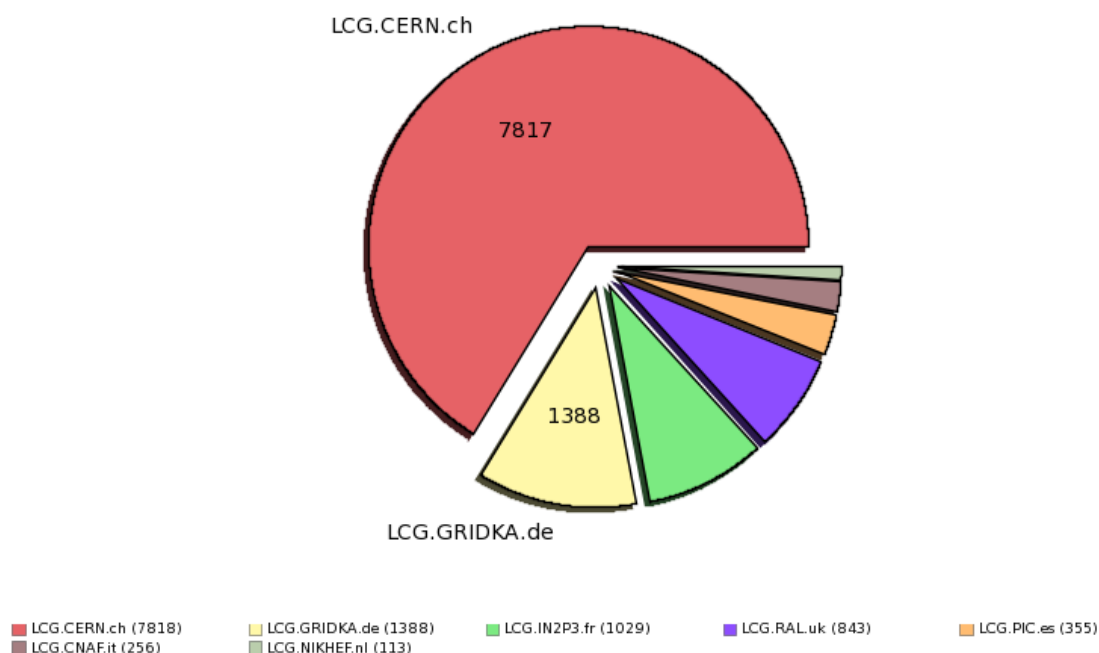
Total Number of Jobs by Site (Sum: 9011)



(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

- **Done|Completed User Jobs by Site**

Total Number of Jobs by Site (Sum: 11801)



(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

Job Failure Analysis

For each of the relevant Errors / User Group combinations found in the "Job Statistics" section:

- * follow the examples bellow,
- * create as many copies as necessary,
- * select relevant Minor Status,
- * change file names accordingly and proceed as in previous sections,
- * update Summary as appropriated.

- **Summary:**

- ◆ Production Jobs Failed mostly due to:
 - ◇ XXXX everywhere (X K)
 - ◇ YYYY mostly at ZZZZ (Y K)
- ◆ User Jobs Failed mostly due to:
 - ◇ XXXX everywhere (X K)
 - ◇ YYYY mostly at ZZZZ (Y K)
- ◆ Comment about any site is appropriated

- **Failed Production Jobs (Application Finished With Error) by Site**

(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName)

- **Failed User Jobs (Input Data Resolution) by Site**

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(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotName
)

Should a Tier1 has important contributions to more than one of the above categories, include a detail breakdown of all problems for that site:

- * follow the example bellow,
- * create as many copies as necessary,
- * select relevant Site,
- * change file name accordingly and proceed as in previous sections,
- * update Summary as appropriated.

• Failed Jobs at GRIDKA by Minor Status

(https://lhcbweb.pic.es/DIRAC/LHCb-Production/lhcb_prod/systems/accountingPlots/job#ds9:_plotNames17:TotalN

Hardware Status

For each of the servers:

- * follow the link,
- * save plot for CPU utilization,
- * save plot for Network utilizarion,
- * save plot for Partition Used (in section Memory utilization),
- * save plot for Swap Used (in section Disk IO),
- * important: keep the names proposed by the browser when saving,
- * update Summary as appropriated.

• Various volhcb09:

- ◆ CPU utilization: Idle < 50%?, IO Wait peaks?,
- ◆ Network utilization: above 1 M?
- ◆ Swap Used: do we get close to the limit (2 GB)?.
- ◆ Partition Used: Is stable?

(<https://lemonweb.cern.ch/lemon-web/info.php?time=1&offset=1d&entity=volhcb09&detailed=yes>
)

• DMS volhcb10:

- ◆ CPU utilization: Idle < 50%?, IO Wait peaks?,
- ◆ Network utilization: above 1 M?
- ◆ Swap Used: do we get close to the limit (2 GB)?.
- ◆ Partition Used: Is stable?

(<https://lemonweb.cern.ch/lemon-web/info.php?time=1&offset=1d&entity=volhcb10&detailed=yes>
)

• LogSE volhcb06:

- ◆ CPU utilization: Idle < 50%?, IO Wait peaks?,
- ◆ Network utilization: above 1 M?

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- ◆ Swap Used: do we get close to the limit (2 GB)?.
- ◆ Partition Used: Is stable?

(<https://lemonweb.cern.ch/lemon-web/info.php?time=1&offset=1d&entity=volhcb06&detailed=yes>
)

- **WMS volhcb13:**

- ◆ CPU utilization: Idle < 50%?, IO Wait peaks?,
- ◆ Network utilization: above 1 M?
- ◆ Swap Used: do we get close to the limit (16 GB)?.
- ◆ Partition Used: Is stable?

(<https://lemonweb.cern.ch/lemon-web/info.php?time=1&offset=1d&entity=volhcb13&detailed=yes>
)

-- RicardoGraciani - 20 Jul 2009

This topic: LHCb > DIRACWeeklyReportTemplate

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