

# DIRAC Tutorial conclusions

*IHEP, Beijing,  
13-15 November 2013*



DIRAC Project architecture and capabilities

The basics of job submission

Monitoring

Getting results

More advanced job submission

Multiple jobs

Jobs with input and output data in the grid

Basic data manipulation tools

Uploading, downloading, replicating files

Browsing data in a catalog

Using various DIRAC interfaces

Web Portal, command line tools, COMDIRAC

# This is just a starting point

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There are many more things that you can do with DIRAC

## Data management operations

Using File Catalogs for describing your data with user defined keys

Massive data replication across the grid

Automation of the data operations

## Massive data production

Automatic job submission

Using complicated workflows

# This is just a starting point

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Using various computing resources

Grids, clouds, desktop grid resources

Using asynchronous operations

Long lasting operations with retries on failures

Using Python API for all the operations

Programming new commands, services, agents

You have learnt enough to start using grid computing resources for your practical tasks

In case of problems or questions visit the DIRAC project site at <http://diracgrid.org>:

Use the user Forum to ask questions

The DIRAC experts will still be available for help

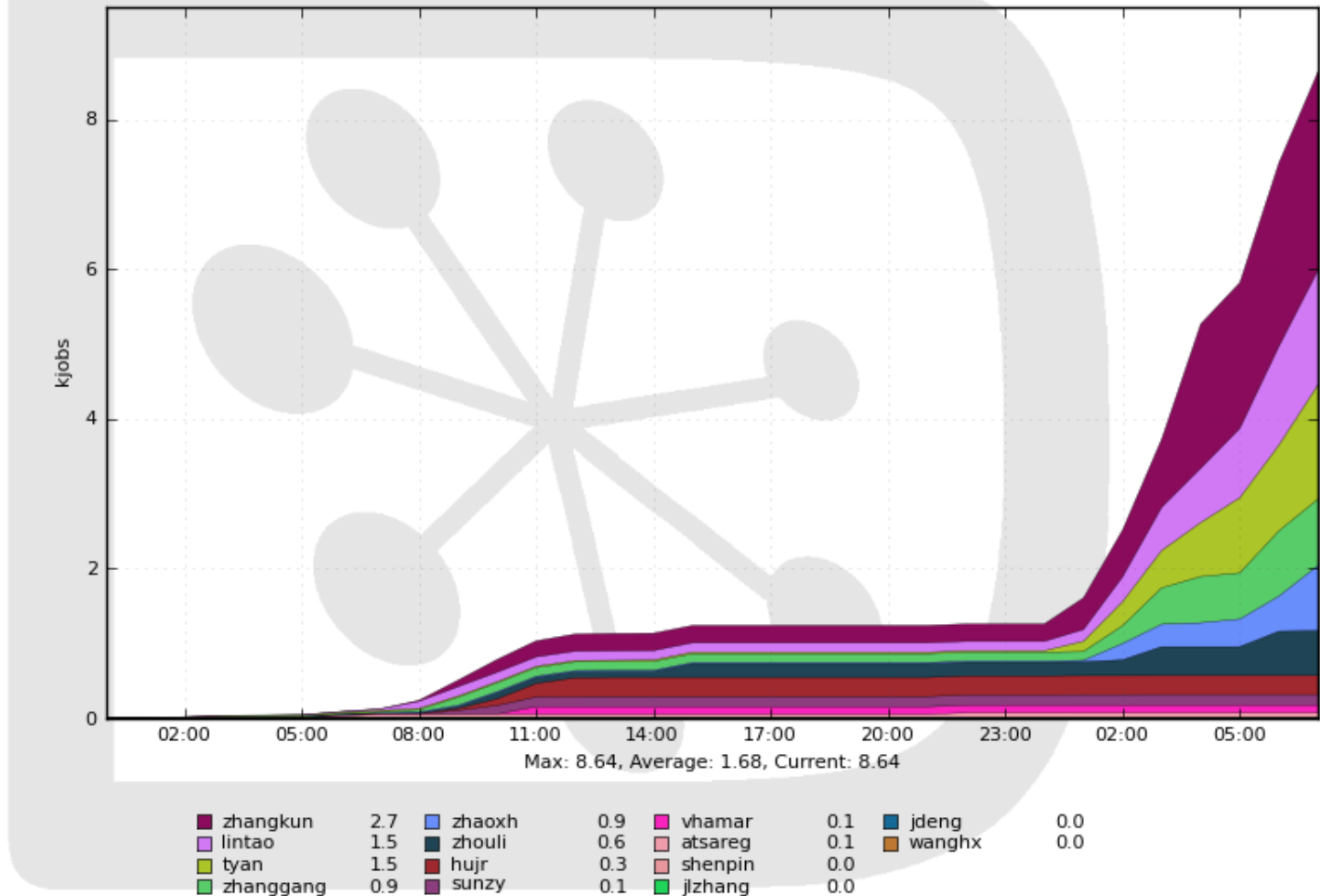
The installation at ***dirac.ihep.ac.cn*** will continue

Do not hesitate to come back and try it with your real applications

We hope that you have enjoyed the course and are ready now for even more exciting work on the grids !

## Cumulative Jobs by User

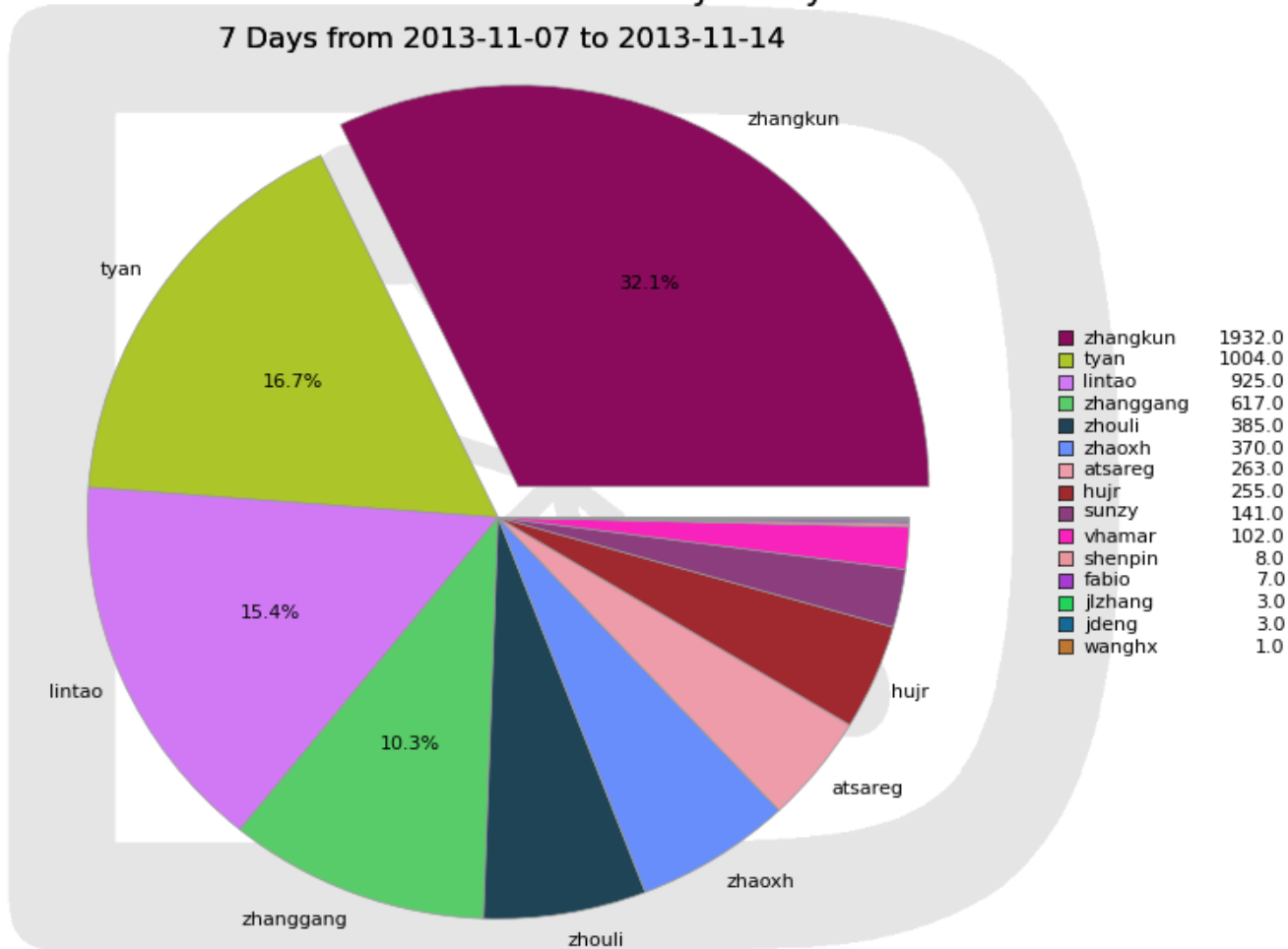
31 Hours from 2013-11-13 00:00 to 2013-11-14 07:00 UTC



Generated on 2013-11-14 07:53:30 UTC

## Total Number of Jobs by User

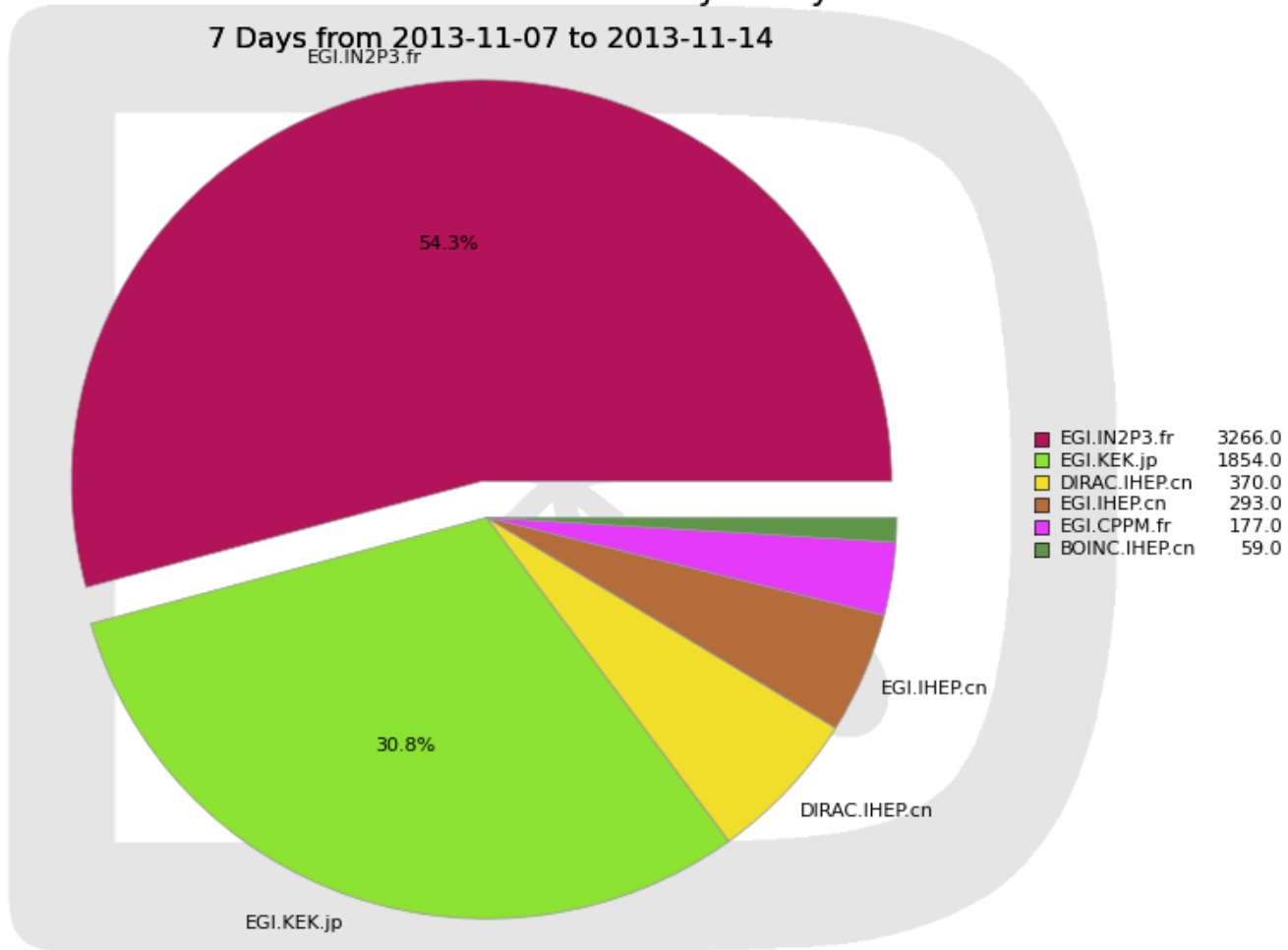
7 Days from 2013-11-07 to 2013-11-14



Generated on 2013-11-14 06:00:42 UTC

## Total Number of Jobs by Site

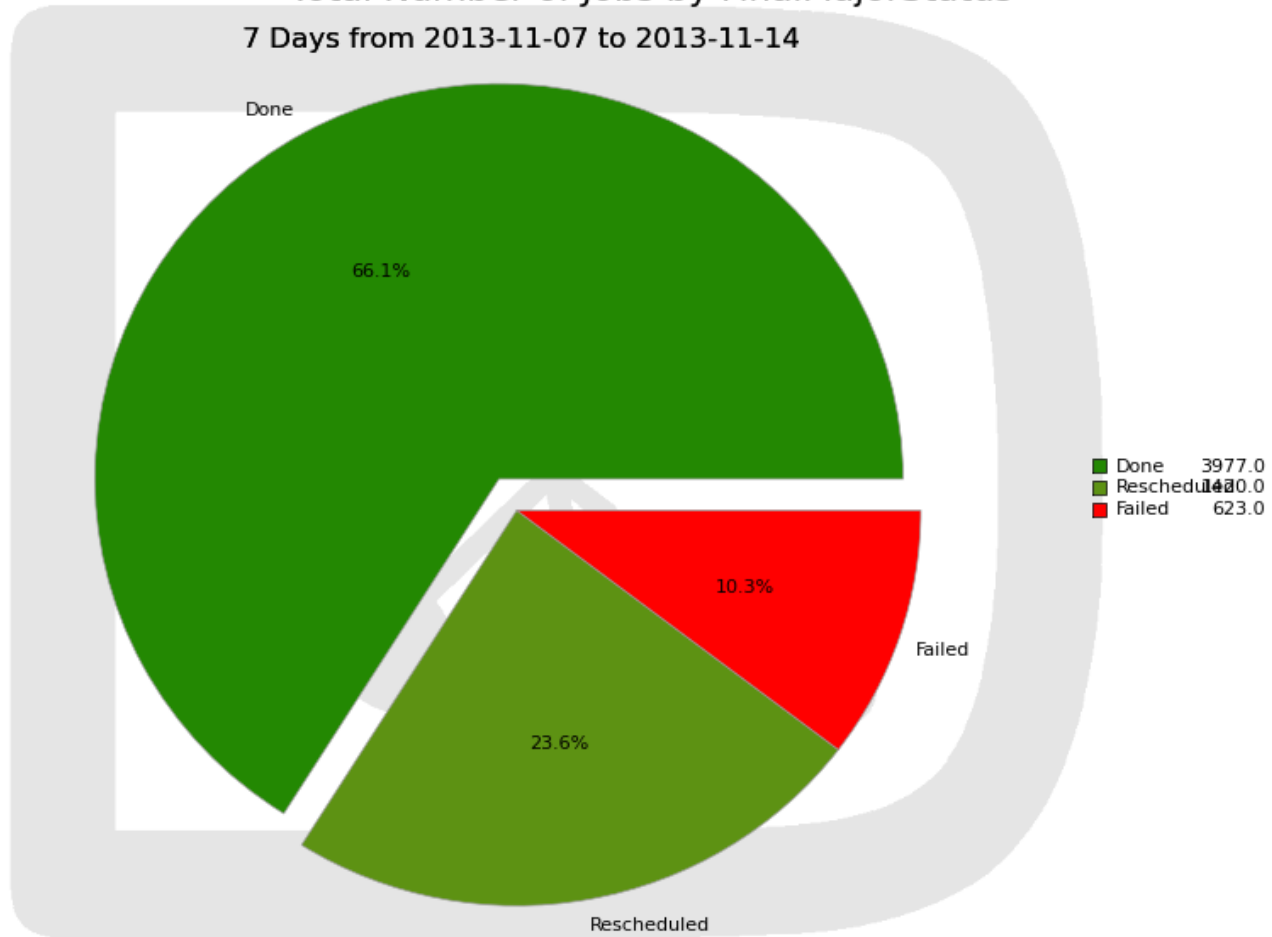
7 Days from 2013-11-07 to 2013-11-14



Generated on 2013-11-14 06:06:36 UTC



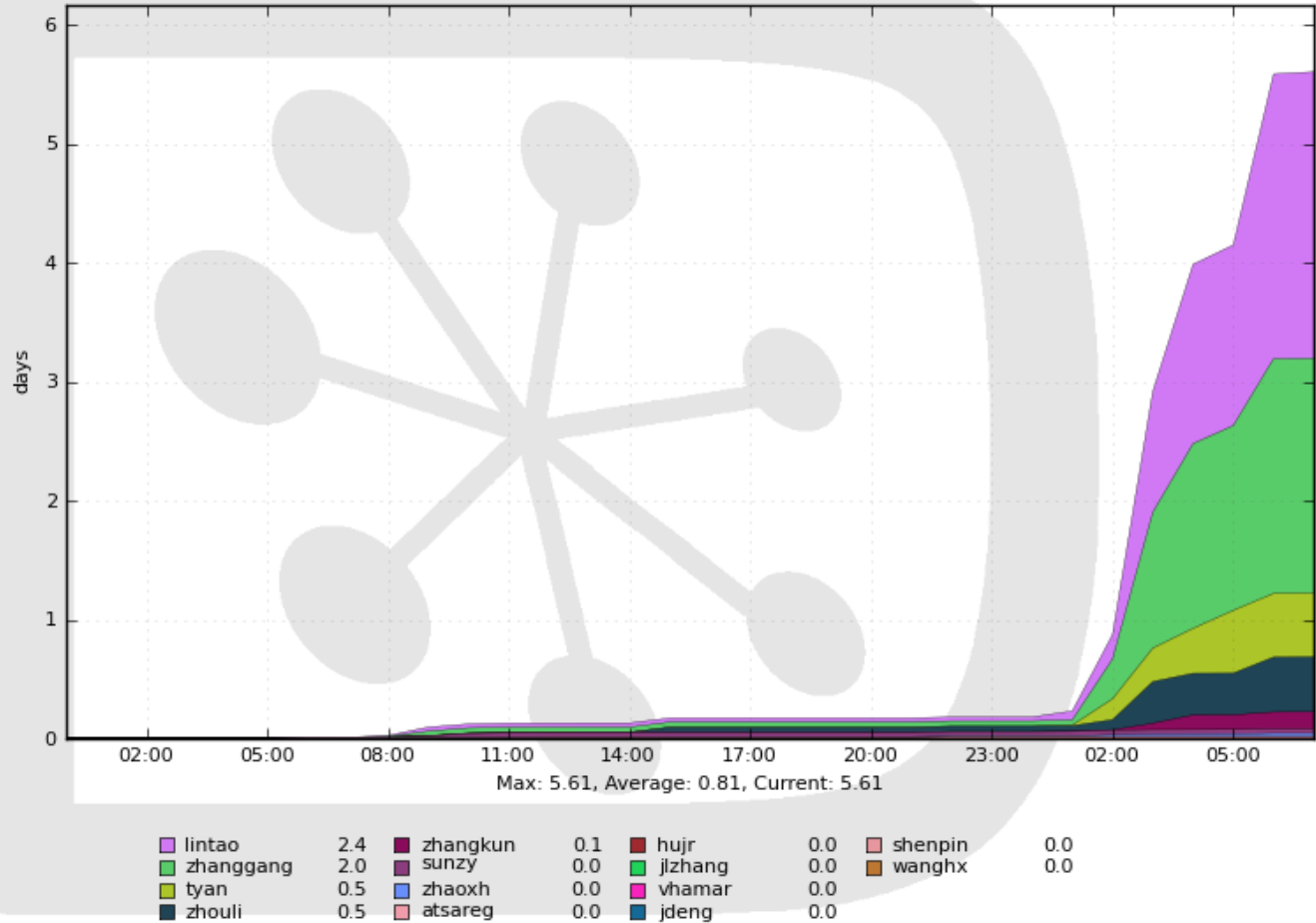
Total Number of Jobs by FinalMajorStatus  
7 Days from 2013-11-07 to 2013-11-14



Generated on 2013-11-14 06:07:56 UTC

## CPU used by User

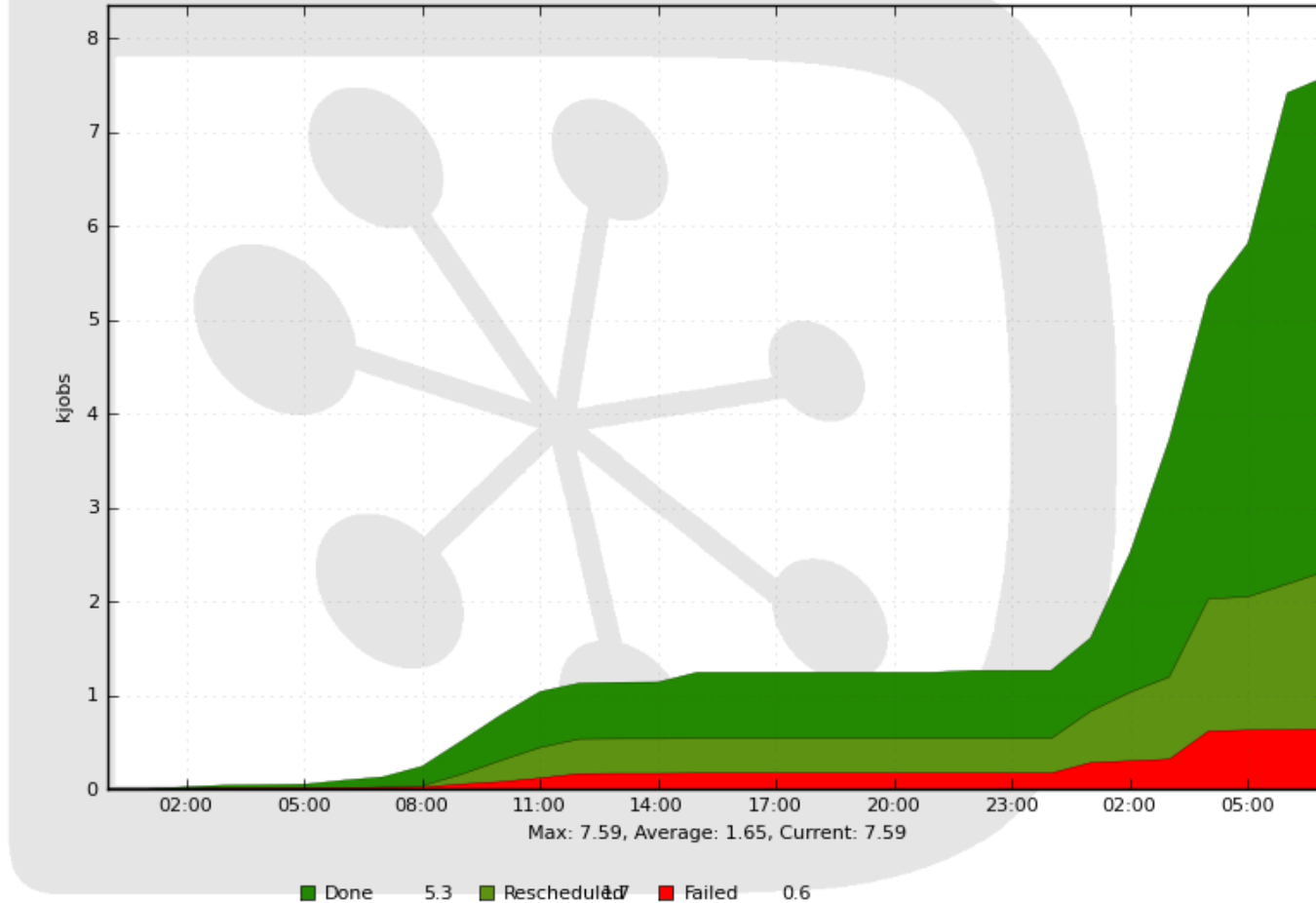
31 Hours from 2013-11-13 00:00 to 2013-11-14 07:00 UTC



Generated on 2013-11-14 07:17:21 UTC

## Cumulative Jobs by FinalMajorStatus

31 Hours from 2013-11-13 00:00 to 2013-11-14 07:00 UTC



Generated on 2013-11-14 07:17:20 UTC

▶ Questions ?

