

GridView

A Visualization tool for LCG

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Project Goal

- Central Archival, Analysis, Summarization and Pictorial Visualization of data from various LCG sites and monitoring tools.
- Used at GOCs/ROCs for Status Summarization and Fault Notification for the entire grid.

Data Sources

(LCG Sites and Monitoring Tools)

- LCG-2 Information Providers
- Gridftp Logs (Service Challenge Throughput Tests)
- GIIS Monitor
- Gridlce
- Site Functional Test (SFT)
- RB Job State
- WN Job State
- APEL
- LCG-2 Certificate Lifetime
- LCG-2 Job Submission Tests
- Replica Manager Tests


Implementation Phase 1

- Summarization and Graphical presentation of SC3 throughput tests using gridftp logs.
- Display Graphs and Reports for file transfers among LCG sites like
 - Hourly/Daily Averaged Throughput
 - Hourly/Daily Aggregate Data Movement
 - Weekly Throughput Report
 - Weekly Data Movement Report
 - Host wise details of data movement


Gridview: SC3 Monitoring - Opera

File Edit View Bookmarks Tools Window Help

Open Save Print Find Home New Gridview: SC3 Monitoring

Grid  View

Analysis of GridFTP Log for Service Challenge 3



What do you want?

Average Throughput
 Aggregate Data Movement

From Site:

To Site(s):

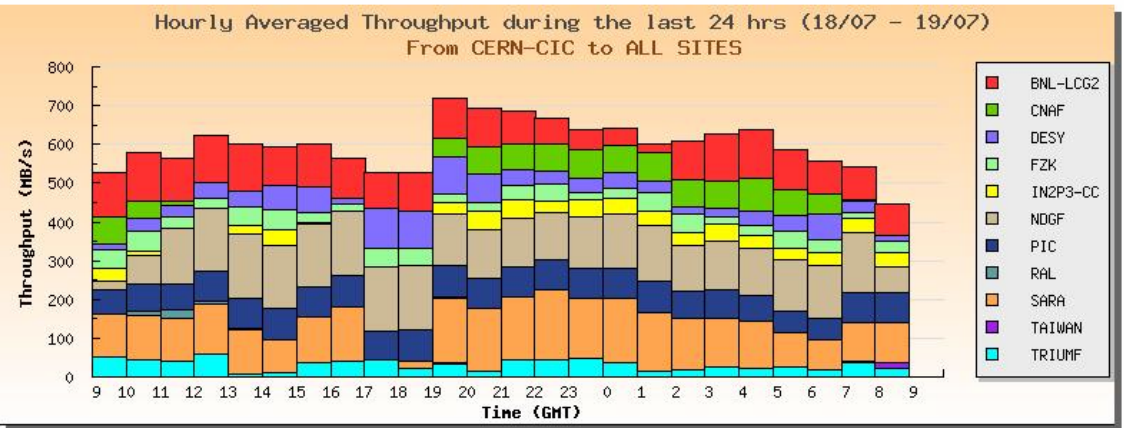
Current Summary
 Hourly Report
 Daily Report
 Weekly Report
 Full Report

From/On:

To:

Hourly Averaged Throughput during the last 24 hrs (18/07 - 19/07)

From CERN-CIC to ALL SITES

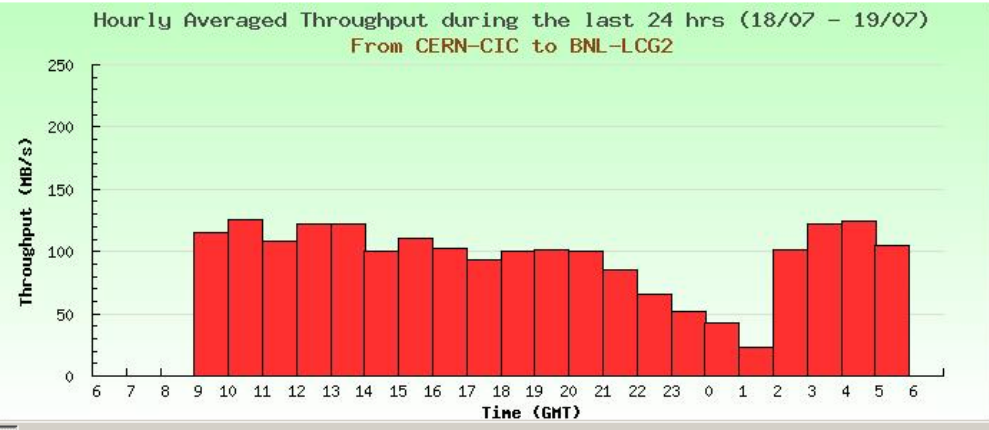


Details of Individual Sites:-

(Host-wise details of a site can be seen by clicking on the relevent graph below)

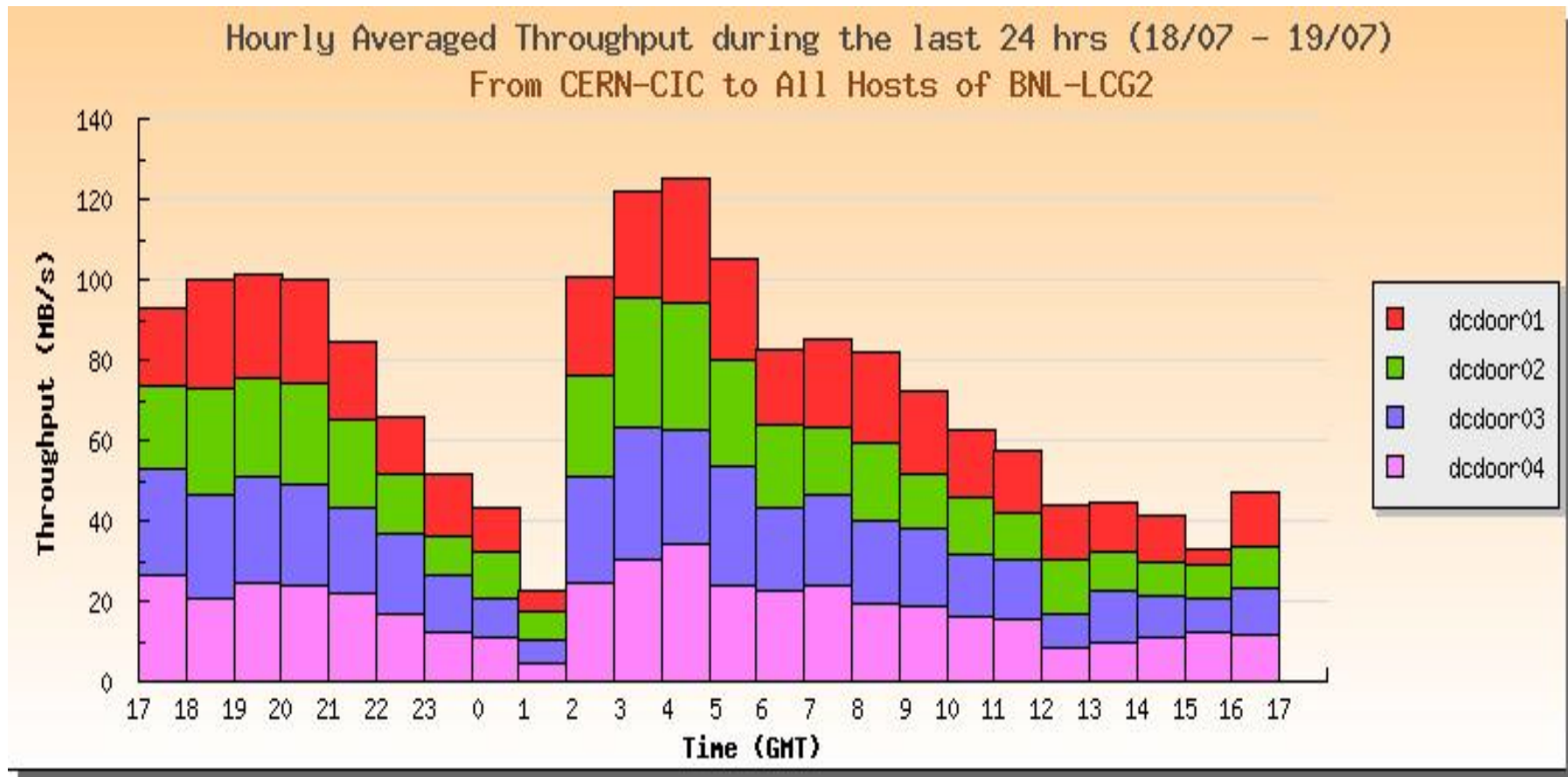
Hourly Averaged Throughput during the last 24 hrs (18/07 - 19/07)

From CERN-CIC to BNL-LCG2

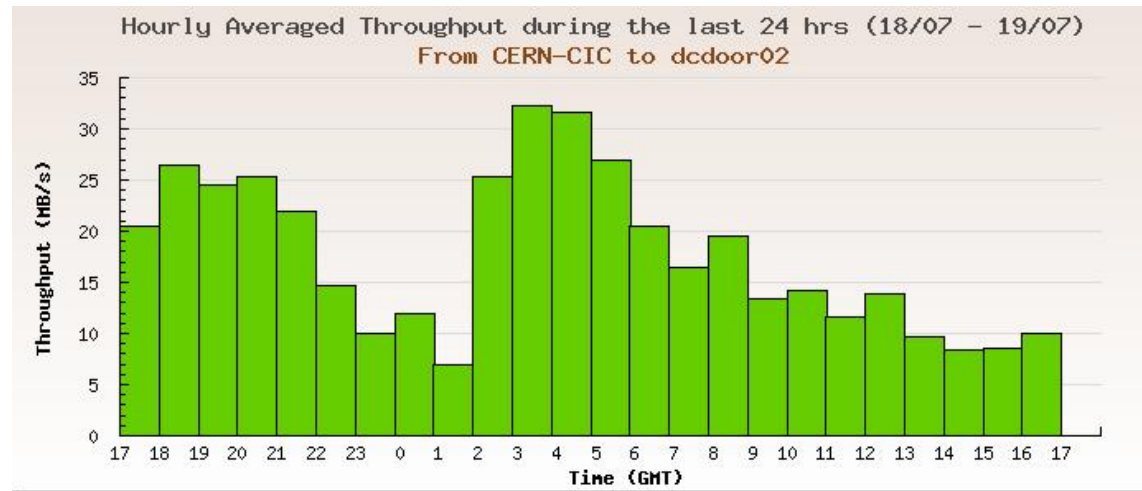
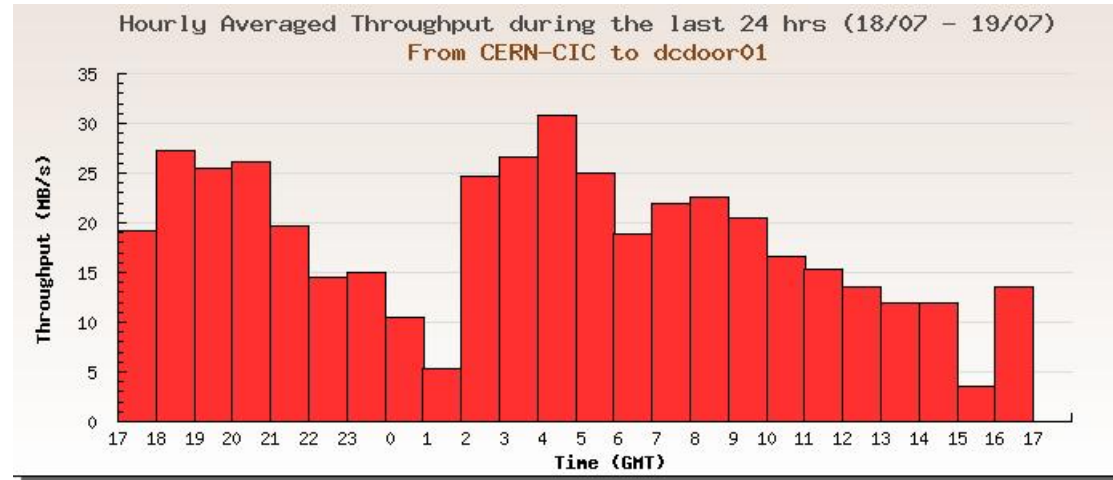


New page Gridview: SC3 Monit...

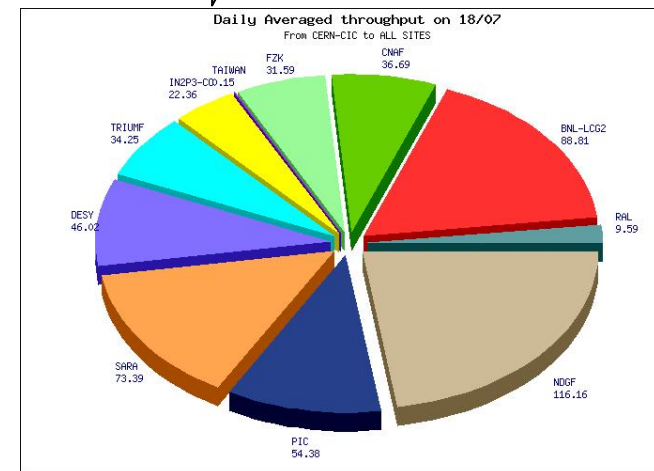
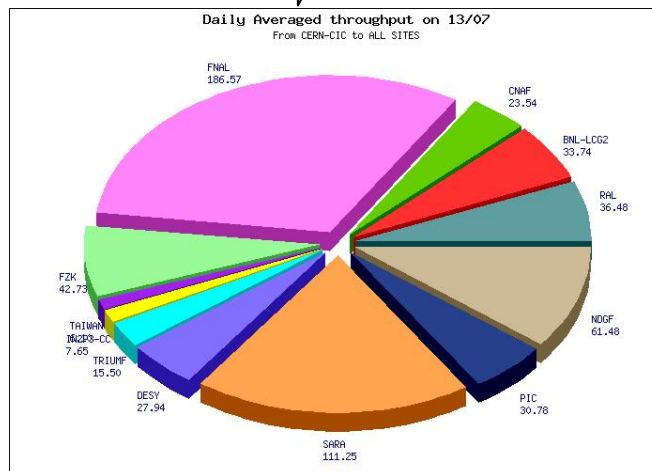
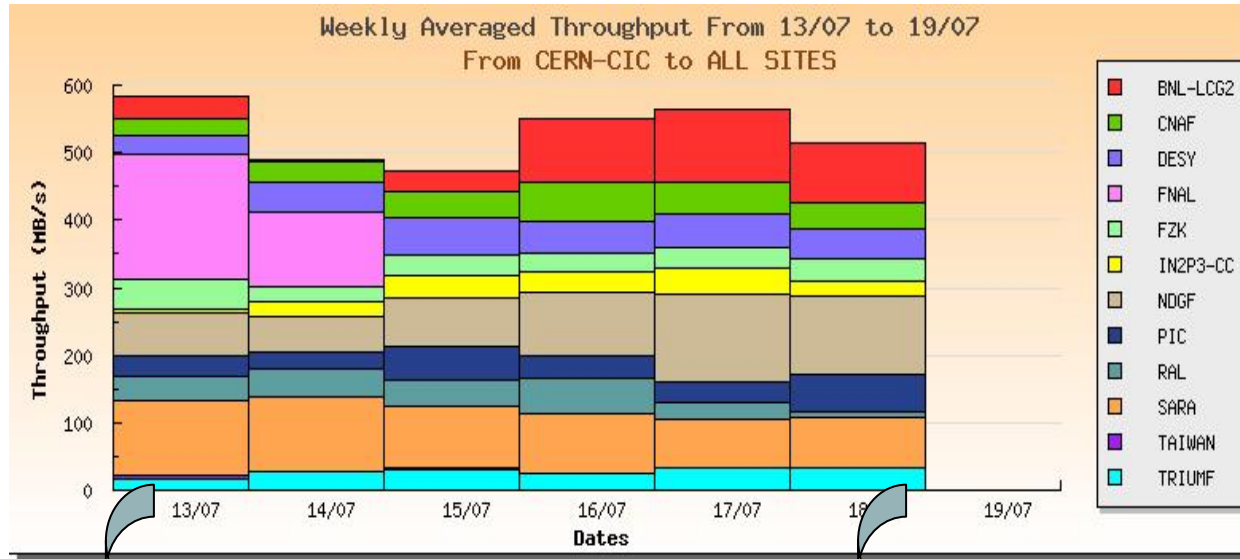
Host-wise details for the Destination Site



Details of Individual Hosts

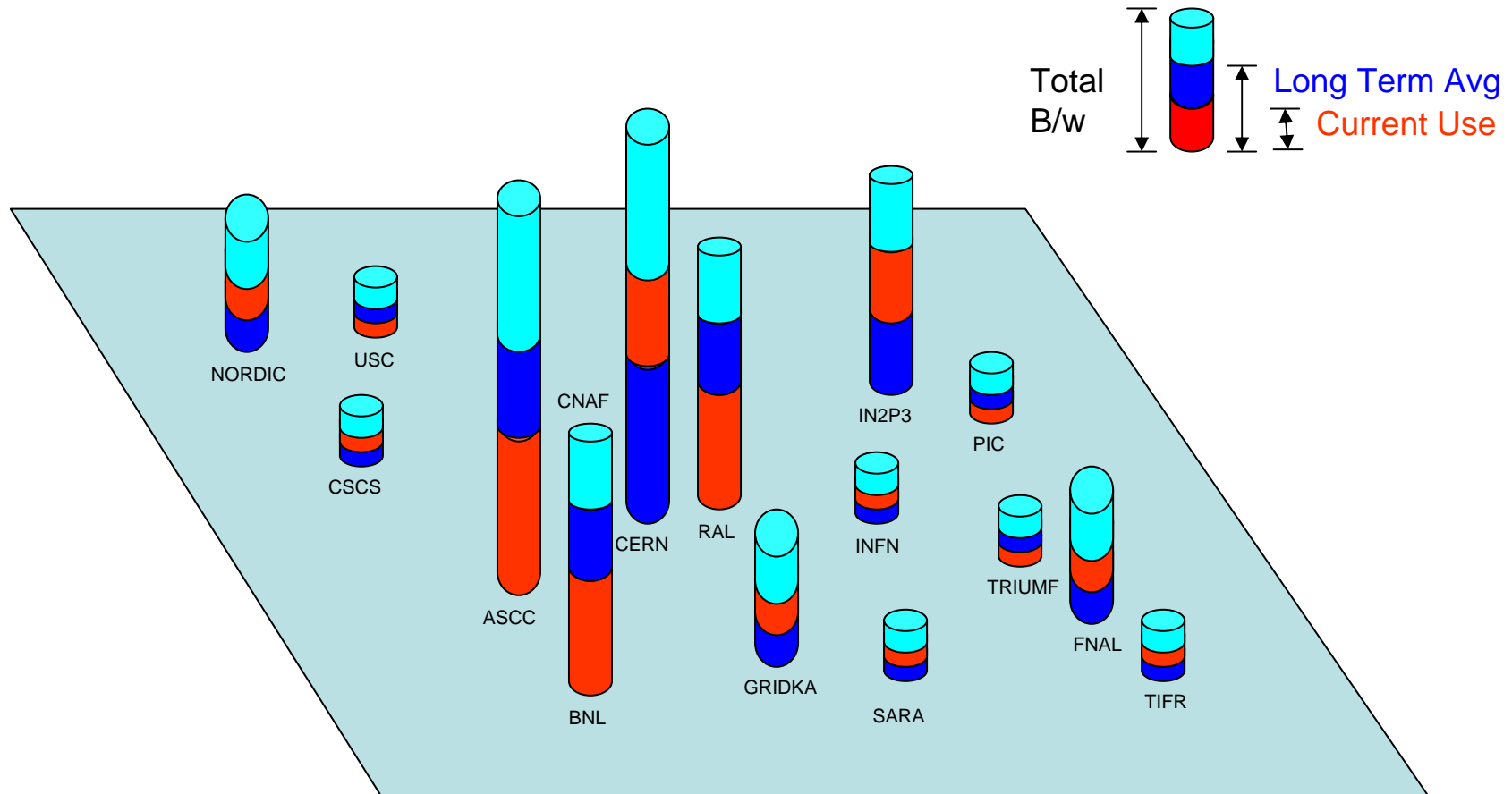


Weekly Report



Future Plan

3D Visualization of Grid status



Network Bandwidth Status

Thank You