OSG Area Report
Production – Operations – Campus Grids

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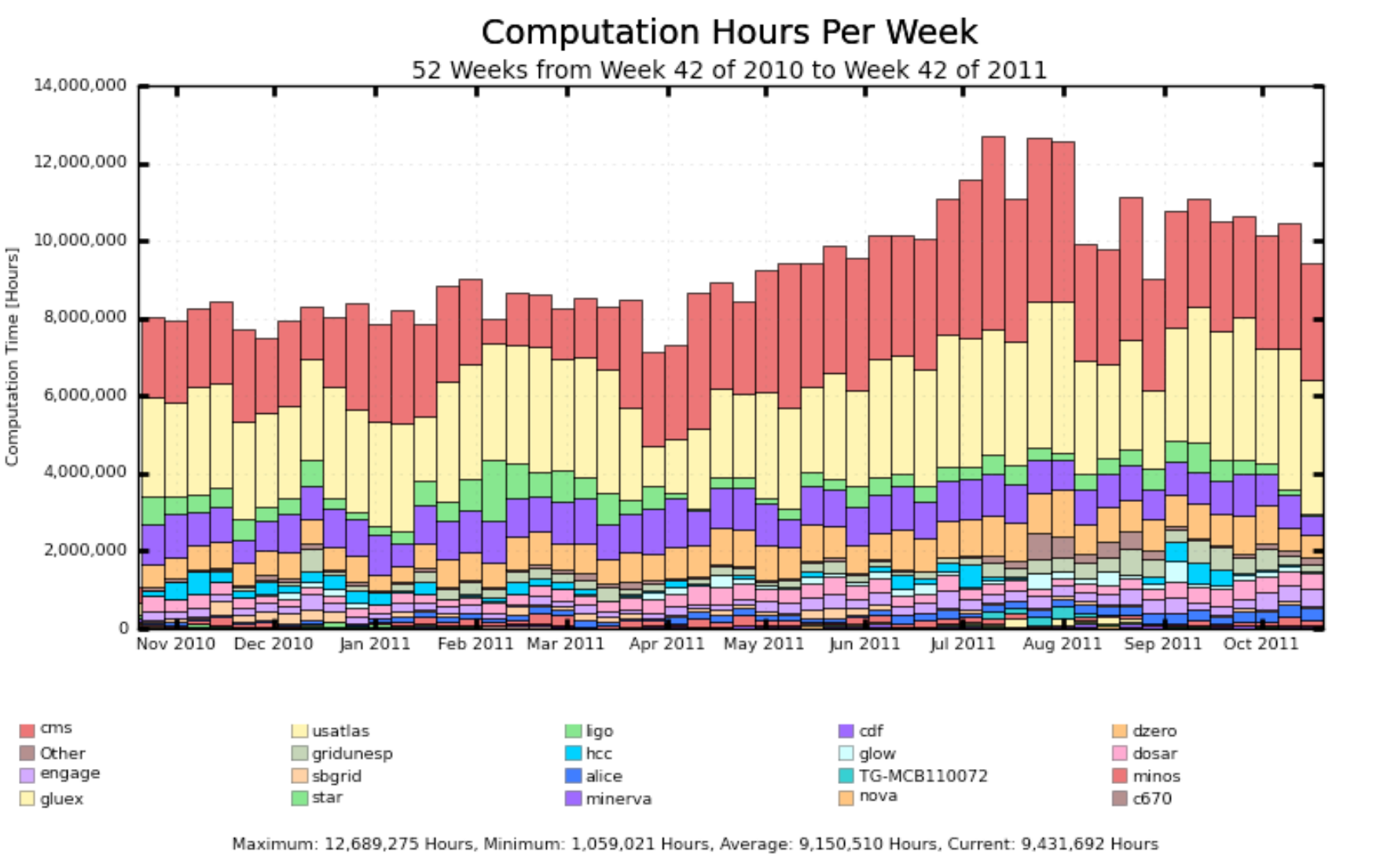
Current Production Focus

- Transition to RPMs
  - ABCD team helping with Software
  - RPMs are “feature complete”
    - Heading toward limited releases
      - VOMS (now in limited release)
      - GI-exec, client, worker node (Nov 1)
      - CE (Nov 30)
  - Restructuring the Documentation for RPMs
    - https://twiki.grid.iu.edu/bin/view/Documentation/Release3/WebHome

Other Production Items

- LIGO - Einstein at Home is no longer being supported under the new contract
  - Robert E. has moved on to a different program
  - Still some work on LIGO – PULSAR (Britta)
- Atlas, CMS, and other VOs steadily moving along
  - No major issues affecting Production
  - (but there could be some after RPMs
- OSG – XSEDE Collaboration
  - Working on a plan to introduce an intermediate “CE” to enable job allocations

Overall Production



Some Production Issues…

- Effort from the entire team
  - Transition to BDII v5 may be in sight
  - Occasional errors from Gratia (being tracked)
    - Latest is from Atlas -BU (reporting 10M hours in one day)
  - Security vulnerabilities w/Apache
  - WLCG RSV availability bug (resolved eventually)
  - BDII failover system now running stably (outside IU firewall)
  - Atlas MWT2 at Chicago now supporting opportunistic usage
  - …

Campus Grid Status

- Campus grid working in production:
  - Glow, DayaBay (All Condor campus grids)
  - Nebraska
  - University of Florida
- Pre-Production:
  - RENCI
  - Virginia Tech (Bio-tech)
    - http://gratiaweb.grid.iu.edu/gratia/xml/glidein_hours_bar_smry?probe=condor:dhcpseven237.bioinformatics.vt.edu
  - Virginia Tech (Belle, DayaBay)
  - FIU

Campus Grid Direction

- Make the factory easier to install / maintain
  - Current factory = flocking + glide-in + BLAH
  - Fewer “assumptions” about the existing environment
  - Work with Todd T. on identification of problems (trying to schedule)
- Parallel path of using SSH + BLAH
- Make the documentation as easy as possible
  - Begin with the focus on a non-CS scientist
    - How do they run their scripts under the CG framework?
  - Identify exactly what we offer a CG prospect

The hard part is not “technology” but finding / keeping users