Cloud – Really?

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I think I just got called stupid...
Building HPC Systems is Nerve Wracking

- A cross between building a stadium and upgrading your smartphone....
- The capex/opex balancing act
- Staff retention and training
- No do-overs
- And these systems are our most important tool
The Jelly is Out of the Doughnut

- Auto-scaling and on-demand workloads on GovCloud for job-specific requirements
- Not yet mimicking internal clusters
- Have 7600 - need 10,000
- 3 promising compounds
- “Simple, flexible & secure”

- 10TB helium filled HD with shingled magnetic recording that overlaps tracks to improve density
- Why not cloud?
What Next? Think 2016

- Talk to lots of people, CSPs & your current vendor
- Beware of the great 40% dismissal – CSPS are fluid so the math is too
- Setting up an account in 2014 is easier than scrounging servers and NICs in 2003
- Look beyond cores: Cloud is compute, data and collaboration
- How could this be harnessed to make it simple, flexible and secure for your users?

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