Cloud Pilot Report

- **Cloud Committee**
- SRCPAC convened cloud committee in 2014
- How does cloud computing fit into our research computing strategy?
- Cloud committee recommendation to create a research cloud pilot

- **Cloud Pilot**
- Worked with a couple researchers during Summer 2015
- How to support researchers in the cloud
- Accounts, billing, security, provisioning, software, managing instances
- Data storage, home directories, data transfer, workflow

Cloud Pilot - Takeaways

- Easy once you've established your workflow

- But hard to get started

- AWS is overwhelming

- Users need help navigating

- Complicated to set up & configure properly

- Time-consuming to support

- Researchers should be free to focus on research

- There's no easy button!

Cloud Service

- Give researchers an "easier" button
- Rolling out in 1st quarter of 2016

- Three Levels of Support
- 1) Advisory services – cloud computing consulting
  - Recommendations based on researcher requirements
- 2) Help getting started
  - Account, billing, cost explanation
  - Image customization, software installation, regularly updated & patched
  - How to run and manage your cloud instances
  - Storage, data transfer, workflow
  - Hand over the administrative keys
- 3) Provide ongoing support
  - Similar to how we support HPC
  - Maintain their machine image and provide support as long as desired

Cloud Service (continued)

- Researchers responsible for paying for all AWS services that they use
  - Billed directly by Amazon (invoicing or credit card)
- CUIT's support services will be provided at no cost to the researcher

- Launch in 1st quarter 2016

- Questions / Comments