

**SURA® INFORMATION TECHNOLOGY COMMITTEE MEETING NOTES**  
**Friday, April 23, 2021**

**Theme:** Design patterns for research cloud computing environments (AWS Service Workbench, others)

**Goal:** To identify computing solutions for researchers design patterns that can become templates that can be shared for general use in research consulting.

**Lightning Talks:** Moderated by Brian Ensor, GWU

- George Washington University, (Research Computing Consultancy), Clark Gaylord
- Tulane University (Brokering a SAS Relationship), Brad LeBlanc
- University of Southern Mississippi (Secure Enclave in Microsoft Cloud), David Sliman
- Georgia Tech (On or Off Prem and Cost Accounting Models), Neil Bright
- Virginia Tech (User View), Robert Settlege
- University of South Carolina (GCP Use Cases), Paul Sagona

Lightning talk recordings are available on the SURA YouTube Channel at <https://www.youtube.com/channel/UCbLNRXTXakoxyZ6i-YOPG5Q>.

**Key Takeaways:**

- George Washington University research computing consulting is to create solutions that are reusable; a goal difficult to achieve when each project and team has unique and specialized requirements.
- Virginia Tech uses XSEDE tools and OSC Open OnDemand to create a unified user experience.
- Tulane SAAS Data coordination . . . .
- Southern Mississippi modeled on their implementation of Microsoft and GCC on U of Colorado Boulder to meet Defense Program compliance
- Georgia Tech uses XDMOD, a product funded by NSF and developed under the TeraGrid-XSEDE programs by University of Buffalo to support cost accounting. Allows them to track XSEDE, OSG, and on-premises services.
- University of South Carolina, research computing in the cloud includes multiple platforms and resources including: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), and XSEDE Science Gateways.

**Next Steps Options:**

- Identify the top 5 apps supported across SURA members and develop scenarios or guides.
- Examine Charging Models and identify commonalities.
- Create Best Practices for Risk Assessments, Cost Containment, CMMC, and NIST 800-171 compliance.
- Create a SURA repository of reference RFIs.
- Explore no code or low code options such as Science Gateways or VMs and Containers.

**Meeting Participants:**

1. Neil Bright, Georgia Tech, Associate Director for Research Cyberinfrastructure
2. Shafaq Choudry, University of Central Florida, Assistant Director, Graduate and Research IT, Systems & Operations
3. Cas D'Angelo, Georgia Tech, Assoc VP-IT & COO
4. David Ebert, University of Oklahoma, Director of the Data Institute for Societal Challenges
5. Brian Ensor, George Washington University, Associate Vice President, Cybersecurity, Infrastructure and Research
6. Clark Gaylord, George Washington University, Director of Research Technology Services
7. Sara Graves, University of Alabama Huntsville, Director, ITSC
8. Julie Griffin, Virginia Tech, Senior Associate Dean
9. Marc Hoit, North Carolina State University, Vice Chancellor for Information Technology
10. Brad Leblanc, Tulane University, Sr. System Administrator
11. Dick Newman, FIT-FLR-SSERCA
12. Judd Nicholson, Georgetown University, Vice President and Chief Information Officer
13. Paul Sagona, University of South Carolina, Executive Director of Research Computing
14. Robert Settlage, Virginia Tech, Computational Scientist
15. David Sliman, University of Southern Mississippi, Chief Information Officer
16. Bryan Stroebel, Tulane University, Solutions Architect
17. Noel Wong, Tulane University, Vice President and Chief Information Officer
18. Linda Akli, SURA, Director, IT Initiatives
19. John Holly, SURA Staff