

Research Computing Advisory Committee

Minutes February 5, 2018 (taken by Erik Deumens)

Present: Paul Avery, S. Balachandar, Brad Barbazuk, Peter Barnes, Hai-Ping Cheng, Erik Deumens, Rafa Munoz-Carpena, Alberto Riva, Plato Smith

Electronic lab notebook

Many people are using electronic lab notebooks. These are more than notebooks, and are more data management frameworks to support the operation of a lab in the digital age. There are many options and we cannot support them all. But UF should try to get a good license agreement and provide support for at least one.

We discussed RSpace <https://www.researchspace.com> from a new startup company.

The UF Libraries are investigating two candidate products for in-depth analysis

1. LabArchive
2. SciNote

They will do the following

- Evaluate usability of each product
- Evaluate the security of each product
- Investigate licensing options and cost
- Carry out a survey among users to rank desired features

Updates

- The ResVault System Security Plan was signed on February 8, 2018. We are planning ResVault “tours” around campus starting with engineering and health science center, where research is done with export controlled data and personal health information data. This provides UF with a computing environment compliant with NIST 800-53 moderate and 800-171.
- New hardware for \$25/TB/year is being installed Feb 6-8, 2018.
- HiPerGator 3.0 plans have been accelerated to have a target delivery date of Sept. 2018 or Apr. 2019. Work to provide the electrical power has been approved.
- We are in an oversold situation with GPUs. We have sold 139 and have only 40. We recently turned off 80 old Tesla M2090. Fortunately we found a good deal on K80s, the same kind we have 40 of. 34 cards have been order, to be delivered in a few weeks. That will add over 60 GPUs to the pool.
- We are also evaluating GPUs for hardware acceleration of visualization work. Then we will buy a number of those.

Organization

- Next meeting will be on Monday Mar 5, 2018 in the usual conference room NPB 2304 from 1:30 – 2:30 pm. The meeting will be Zoom enabled for virtual attendance.