
RCC eNEWSLETTER • JUNE 2025

Twenty GPU nodes added to HPC cluster

We deployed 20 new nodes with two GPU cards each to the HPC this month. The nodes have the following specs:

- AMD EPYC 9135 16-core, 3.65GHz CPU x1
- 288 GB RAM (18 GB per core)
- 1 TB NVME solid state storage
- NVIDIA Connect-X 6 HDR 200Gbps IB network card
- **2x NVIDIA RTX 4500 ADA GPUs w/24GB RAM** ([specs](#))

These new GPU nodes will power data science and AI research at FSU. We are still working on the final charge-back rates, but we will provide a substantial subsidy for research groups who lease these and future GPU nodes. Direct inquiries to support@rcc.fsu.edu.

[How to use GPUs on the HPC »](#)

New and upgraded HPC software

We are happy to announce the general availability of several new and upgraded packages on the HPC:

- [ScaLAPACK on GNU13](#) - Linear algebra library
- [OpenFOAM 2412](#) - Computational fluid dynamics software toolkit
- [uv for Python](#) - High performance drop-in replacement for pip and venv
- [nodejs/npm \(v10.24\)](#) - JavaScript runtime environment and package manager

[See all software packages »](#)

Use the HPC for teaching

Did you know that the HPC is available at no cost for classroom and instructional use? Each course receives dedicated classroom accounts with full access to SSH, Open OnDemand, and home directories. Our staff will assist with installation of software packages and any special needs.

[Learn more about HPC classroom use »](#)

REDCap Lunch, Learn, and Collaborate

Join us this summer for our RECap Lunch, Learn, and Collaborate Consortium meetings. These are free and open to everybody. The dates/topics are as follows:

- [June 25 12:30pm - ITS Migration + Mosio Text Messaging integration](#)
- [July 30 12:30pm - Backups + Data Migration](#)

[See all REDCap events »](#)

Research spotlight: Dr. Jarrod Mousa

[Dr. Jarrod Mousa and his team](#) at FSU's College of Medicine focus on developing monoclonal antibody therapies and vaccines for infectious respiratory diseases like RSV, influenza, and Streptococcus pneumoniae, particularly for vulnerable populations. They use the High-Performance Compute cluster (HPC) for critical data processing, including next-generation sequencing to identify new monoclonal antibodies from patient samples and cryo-electron microscopy to visualize antibody-virus interactions. The team's research ultimately contributes to the advancement of more effective treatments and vaccines.

[Read the spotlight »](#)



Questions?

We are here to help. Contact the ITS Service Desk at 850-644-4357 or its.fsu.edu/help.

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