

Research Computing User Intake Process

Use of **Jackson State University's** HTC System is available **only** to current students, faculty, or staff at Jackson State University. One may request an account by completing our intake form. To obtain an account, all users must have an active NetID. For non-faculty requestors, you must have a faculty mentor sponsor your request. Sponsorship is for up to one year at a time. For continued access, your faculty mentor must reconfirm that you should have continued access by contacting the JSU Research Computing Team.

Before system use is permitted, each user must:

1. Complete the [JSU Research Computing Intake Form](#)
2. Attend an Intake Facilitation Meeting

About the JSU Research Computing (RC) Intake Meeting:

Estimated duration: 1 hour. Please be prepared to answer questions related to the following:

- CPUs/GPUs requested
- Size of data transfers
- RAM/memory needed
- Brief description of research project(s)
- Anticipated storage requirements
- Opportunities for improvement/expansion

About the JSU RC Facilitation Process:

The Jackson State Cyberinfrastructure Facilitation Team is dedicated to supporting researchers in elevating their work through tailored support and resources. After completing the JSU RC Intake Form, you will be scheduled for an Intake Facilitation Meeting with a member of our team.

This 1-hour meeting is designed to:

- Understand the context of your research and computational needs
- Ask clarifying questions based on your intake form responses
- Discuss project timelines, resource availability, and any relevant training needs
- Determine which RC resource is best suited for your research needs

If you'd like to schedule an additional Facilitation Meeting, contact Terry Haygood, Cyberinfrastructure Facilitator at terry.haygood@jsums.edu.

About the JSU RC User Onboarding Training Sessions:

To ensure all users are set up for success, JSU Research Computing offers training materials and guidance to help researchers become familiar with research computing and best practices. Training sessions may be provided upon request or as needed, and users are encouraged to participate in at least one training opportunity relevant to their RC resource each academic year.

Available RC resources include:

- High-Throughput Computing

High-Throughput Computing Policies and Expectations

Jackson State University gratefully acknowledges the support of our partners at the University of Wisconsin-Madison and the Center for High Throughput Computing (CHTC), whose collaboration through the NSF PATH project (OAC-2030508) helped make our HTC system possible. The following policies and expectations have been adapted with permission from CHTC and tailored to meet the specific needs of the Jackson State University research community.

If you'd like to learn more about the NSF PATH project and the University of Wisconsin-Madison's CHTC, please visit <https://path-cc.io/> and <https://chtc.cs.wisc.edu/>.¹

Acceptable Use²

Users agree to adhere to Jackson State University's Department of Information Technology [Acceptable Use Policy](#) in addition to the following conditions:

- **Use of the JSU HTC node is permitted only to current students, faculty, or staff at Jackson State University.** One may request an account by completing the [JSU Research Computing Intake Form](#). For non-faculty researchers using the system, you must have a faculty mentor to sponsor your account usage. Sponsorship is for up to one year at a time. For continued access, your faculty mentor must reconfirm that you should have continued access by contacting the JSU Research Computing Team.
- **Accounts are per user and should not be shared.** The access credentials provided to you are unique to you; your credentials (password, SSH keys) should not be shared. Any accounts that are found to be sharing with other users will be disabled immediately.
- **Users assume all responsibility for their use of the system and shall comply with the instructions of JSU Research Computing.** JSU Research Computing reserves the right to regulate, suspend, or terminate your access without prior notice or compensation, within its domain of authority.
- **Users consent to the use of logged data for administrative, operational, accounting, monitoring, and security purposes,** including personal information they have supplied for account registration. Users agree that other authorized parties may receive access to this logged information through secure channels, but only for the same purposes and for the expressed purpose of delivering services.
- **Users will not use the JSU Research Computing HTC System for any purpose that is unlawful, and not (attempt to) breach or circumvent any administrative or security controls. Users agree to adhere to intellectual property and confidentiality agreements.**
- JSU Research Computing cannot guarantee the availability of this resource at any given time, that its integrity or confidentiality will be preserved, or that it will be suitable for any

¹Policies and Expectations for Using CHTC. (2025, July 11). Center for High Throughput Computing. <https://chtc.cs.wisc.edu/uw-research-computing/user-expectations.html>

² Acceptable Use Policy For OSG Access Points and the OSPool - OSG Site Documentation. (2025). Osg-Htc.org. <https://osg-htc.org/docs/submit/ap-ospool-aup/>

particular purpose. **Use of the JSU Research Computing HTC system is at your own risk.**

User Expectations

The Jackson State HTC Node is a **single, 64-core CPU node**, shared amongst the entire university. This system has a maximum core capacity of 8 cores per session. Therefore, we kindly request that you adhere to the following best practices to ensure a quality user experience for all users:

- **Never perform computationally demanding operations on the login nodes.**
Generally, any run that takes longer than a few seconds to execute or is known to consume a lot of memory or cores should be run as a job rather than directly on the login node. Any small scripts and commands, such as compressing data, creating folders, etc., that can execute on the submit server are *okay*; however, their usage should be kept to a minimum. Please contact the JSU Research Computing Team for any questions regarding this. **The JSU Research Computing Team reserves the right to terminate any problematic or long-running processes and disable user accounts that violate this policy.**
- **Before submitting your entire workflow, test a small version of your overall workflow.** Testing your workflow can help you determine runtimes, resource requests, and whether you need an increase in your user quota. Every researcher has a user priority, and the HTC system employs a [fair share policy](#). Your user priority will drop if you submit many jobs that fail or do not produce the expected output; however, this will reset over time.
- **Do not use unsupervised scripts on the login node. This includes automating tasks using tools such as [cron](#), [watch](#), or a workflow manager other than HTCondor's DAGMan.** Please contact the JSU Research Computing Team for any questions regarding this.
 - *Use of [watch](#) with [condor_q](#) is prohibited. We recommend using [condor_watch_q](#) as an alternative for live updates on your jobs in the queue, as it is more efficient and does not interfere with system performance.*
- After approximately one year of inactivity, Jackson State Research Computing HTC accounts will be deactivated, and user data will be erased. **It is your responsibility to maintain your data and important files in a location outside of the HTC system.**

Data Policies

Users agree to adhere to Jackson State University's Department of Information Technology [Data Security Policy](#) in addition to the following conditions:

- **HTC data locations are not backed up.** The HTC system should be viewed by users as a short-term storage location for ongoing, queued computational tasks. After

completing a batch of computational work, users should remove data from systems and store copies of all necessary data in a separate location. JSU Research Computing is not liable for data loss or file system corruption that can occur in the absence of backups, and reserves the right to remove data from any data location at any time to maintain system performance.

- **This system is not compliant with restricted/protected data.** Restricted and protected data (HIPAA, PHI, FERPA, GDPR, PIPL, CCPA, etc) should **not** be brought into the HTC system by users. Access may be suspended for violations of this.

Please contact for any data security concerns or questions.

Export Control

Users agree to adhere to Jackson State University's Division of Research and Economic Development's [Export Control Policy](#) in addition to the following conditions:

- Without first obtaining approval from the Director for Technology Transfer and Commercialization, **users agree not to access, use, store, or otherwise execute export-controlled data, information, programs, etc. on JSU Research Computing HTC systems, software, hardware, or computing resources.**
- The federal government subjects export-controlled information to regulations on handling and viewing. There are limitations on who can access it and where it may be accessed. A license may be required for access by foreign individuals and jurisdictions; therefore, it is critical to ensure that all legal criteria are met. If you are unsure whether the information you would like to use on the HTC System is export-controlled or have questions about export control laws and your research and/or technologies, please contact the Director for Technology Transfer and Commercialization at 601-979-6347 or technologytransfer@jsums.edu.