Research-Specific Computing and Advanced Applications

Computing and storage resources that support research that uses specialized or highly intensive computation, storage, bandwidth or graphics.

**Gitlab**
Software that combines the ability to develop, secure, and operate software in a single application, in turn allowing for collaboration and visibility throughout the DevOps lifecycle.

**Guest Accounts for Research Collaboration**
ITS offers guest accounts for research collaboration and research data file transfer purposes. Guest accounts may be requested for non-UAlbany researchers and include access to the ITS research storage system and high-performance computing cluster.

**High Performance Computing**
ITS manages local high-performance computing (HPC). All researchers at the university can leverage this instrument to enable scientific discovery.

**Jupyterhub**
A multi-user Hub that spawns, manages, and proxies multiple instances of the single-user Jupyter notebook, a web-based interactive development environment for notebooks, code, and data.

**MATLab**
A multi-user Hub that spawns, manages, and proxies multiple instances of the single-user Jupyter notebook, a web-based interactive development environment for notebooks, code, and data.

**Research Application Development Support**
Supports research application development in containerized environments, such as singularity or docker.

**Research Application Hosting**
ITS can host faculty developed research applications for cross-collaboration and dissemination to the research community.

**Research Lab technology and support**
Services ensuring that all research labs and research spaces are suitable to meet the computing needs of researchers and their students.

**Research Storage**
ITS provides 10 TB of shared storage for research groups and a 10 GB home directory quota, accessible either on workstations or the high-performance computing cluster.

**RStudio**
An integrated development environment (IDE) for the R programming language.