

Multi-user Environment

(For moderate to heavy collaboration and file sharing)

Academic Division Research Computing Storage Solutions

<https://www.rc.virginia.edu/userinfo/storage/>

- **Research Project Storage**
 - Ideal for long-term storage of data to be accessed from Rivanna, the University's high-performance computing cluster.
 - Uses computing ID and Academic (ESERVICES) password to connect; also accessible via Rivanna
 - No add-on backup available
 - Includes snapshots*: shadow copies made once per day (kept for 7 days)
 - No data replication
 - Store public and moderately sensitive data (**no highly sensitive data**)
 - Cost: \$60 per TB (1000GB) **per year** (purchase in 1TB increments, 1TB minimum initial size)
 - Support provided by ITS Research Computing via online form
- **Research Standard Storage**
 - Budget solution for storing data that can be accessed by a personal computer or Rivanna, the University's high-performance computing cluster.
 - Uses computing ID and Academic (ESERVICES) password to connect; also accessible via Rivanna
 - No add-on backup available
 - No snapshot available
 - No data replication
 - Store public and moderately sensitive data (**no highly sensitive data**)
 - Cost: \$45 per TB (1000GB) **per year** (purchase in 1TB increments, 1TB minimum initial size)
 - Support provided by ITS Research Computing via online form
- **Highly Sensitive Data Storage**
 - Ideal for long-term storage of highly sensitive data and is suitable for computation with smaller file sizes.
 - Only accessible via Ivy Virtual Machine (requires an Ivy account)
 - No add-on backup available
 - No snapshot available
 - No data replication
 - Store highly sensitive data
 - Cost: \$45 per TB (1000GB) **per year** (purchase in 1TB increments, 1TB minimum initial size)
 - Support provided by ITS Research Computing via online form

* Snapshots take up some portion of your storage allocation:

- The space needed for snapshots will increase as the number and size of your files increase.
- If your storage has a high change rate (reads/writes), additional space will be needed for snapshots.

When you delete files, space on storage is not automatically freed up. Deleted files will continue to occupy storage space until the related snapshot expires, which may take up to 2 weeks, depending upon the type of storage.