

## Multi-user Environment

(For moderate to heavy collaboration and file sharing)

### Academic Division (ITS) Storage Solutions (<https://in.virginia.edu/storage>)

- **Windows Storage**
  - General purpose multi-use storage with secondary data center copy to protect against catastrophic loss.
  - Uses computing ID and Academic (ESERVICES) password to connect
  - Incremental long-term backups (held for 6 months) **required** for additional fee
  - Includes snapshots\* made twice daily (kept for 30 days)
  - Store public, moderately sensitive, and highly sensitive data
  - No data replication
  - Cost: \$820 per TB (1000GB) **per year** (purchase in 10GB increments, 10GB minimum initial size)
  - Support provided by ITS: 24/7/365
- **Premium Storage**
  - Critical data storage with frequent transactions requiring off-site resiliency and local recovery options.
  - Uses computing ID and Academic (ESERVICES) password to connect
  - Incremental long-term backups (held for 6 months) available for additional fee
  - Includes snapshots\* made once per hour (kept for 24 hours) and daily (kept for 14 days)
  - Data replication: 1 per day
  - Store public, moderately sensitive, and highly sensitive data
  - Cost: \$480 per TB (1000GB) **per year** (purchase in 50GB increments, 50GB minimum initial size)
  - Support provided by ITS: 24/7/365
- **Value Storage**
  - Storage for expert users who can manage and back up their own data. Provides large data storage at a basic bulk price.
  - Uses computing ID and Academic (ESERVICES) password to connect
  - No add-on backup available
  - Includes snapshots\* made once per day (kept for 14 days)
  - No data replication
  - Store public, moderately sensitive, and highly sensitive data
  - Cost: \$100 per TB (1000GB) **per year** (purchase in 1TB increments, 1TB minimum initial size)
  - Support provided by ITS: Mon-Fri 8am-5pm, **break/fix only** (if service is unavailable)

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\* 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.

- **Archive Storage (Future)**
  - Best for infrequently accessed, non-daily latency workloads, needing data resiliency with cost efficiency.
  - Uses computing ID and Academic (ESERVICES) password to connect
  - No add-on backup available
  - No snapshot available
  - Data replication options: none, 1 local copy, or 1 cloud copy. Charged on a per TB basis.
  - Store public and moderately sensitive data (**highly sensitive data – future**)
  - Cost: \$45 per TB (1000GB) **per year** (purchase in 1TB increments, 1TB minimum initial size)
  - Support provided by ITS: Mon-Fri 8am-5pm