

## Research Data Storage Options

	<a href="#">Research Data Storage Service (RDSS)</a>	<a href="#">Large Scale Storage (LSS)</a>	<a href="#">R:Drive</a>	<a href="#">OneDrive</a>
<b>About</b>	First 5TB of storage is available for free to researchers with faculty appointments and their labs. Additional 1TB increments upon request for a fee.	Storage located on high performance computing systems; Can also be used as offsite backup capacity for systems that can use ssh-based backups outside of the HPC environment. Does not allow complex permissions nested inside a single file share.	Low cost option ideal for large data sets or long-term storage in the Carver College of Medicine.	An enterprise cloud storage solution for your file sharing and collaboration needs.
<b>Use</b>	Desktop File Sharing	HPC & Desktop File Sharing	Desktop File Sharing	Desktop File Sharing
<b>Available on HPC Systems</b>	No	Yes	No	No
<b>Backups</b>	Yes	Optional	Yes	Continually
<b>Snapshots</b>	Daily	HPC: Hourly, Daily, Monthly Non-HPC: Daily	Daily	Data are backed up and synced continually to the cloud
<b>Snapshot/Backup Retention</b>	30 days	30-90 days	90 days	Deleted items remain in Recycle Bin until it is emptied or 90 days
<b>Access Methods</b>	NFS, SMB/CIFS, sftp	HPC: NFS, SMB/CIFS, Mixed CIFS/NFS, GridFTP, scp/sftp, rsync	SMB/CIFS	Web or Desktop Client
<a href="#">Approved Data Classification Levels</a>	I, II, III, HIPAA (SMB/CIFS only), Export-Controlled*	I, II, III, HIPAA (SMB/CIFS only), Export-Controlled*	I, II, III, HIPAA	I, II, III, HIPAA
<b>Max Storage Capacity</b>	10TB	370TB	10TB	1TB
<b>Fees</b>	First 5TB free; \$270/TB/Year for additional storage	\$80/TB/Year (includes backups); \$40/TB/Year (no backups)	\$270/TB/year (can be purchased in smaller increments)	No charge
<b>Recommended For</b>	Researchers who need to store less than 5TB of data or need audited storage for sensitive data	Researchers who need to use HPC systems to analyze their data, need to store a large amount of data, or have unique storage needs that require some customization	Researchers in the Carver College of Medicine who need to store a large amount of data or need HIPAA-Compliant storage	Researchers who need an easy way to collaborate with others
<b>Request</b>	<a href="#">RDSS Request Form</a>	<a href="mailto:Research-Computing@uiowa.edu">Research-Computing@uiowa.edu</a>	<a href="#">Enterprise Service Center</a>	<a href="#">Office 365 Sign-in</a>

\*\* Please contact [research-computing@uiowa.edu](mailto:research-computing@uiowa.edu) before putting Export-Controlled data on LSS or RDSS.

## **Recommended Language for Grants**

### **RDSS:**

Data will be stored on managed University of Iowa, Information Technology Services systems. This is a secure space that includes daily backups. Space required for this project is approximately XX Terabytes. The cost of up to 5TB is free, however, should we need more space, the cost of additional TB is \$270/TB/Year. We request XX TB = \$XXX/year to support the storage needs of the project.

### **LSS:**

Data will be stored on managed University of Iowa, Information Technology Services systems. Space required for this project is approximately XX Terabytes. The cost of 1TB is \$40/TB/Year without backups and \$80/TB/Year with backups. We will/will not require backups of our data. We request XX TB = \$XXX/year to support the storage needs of the project.

### **R:Drive:**

Data will be stored on managed University of Iowa, Carver College of Medicine IT systems. This is a secure space that includes daily backups. Space required for this project is approximately XX Terabytes. The cost of 1TB is \$270/TB/Year. We request XX TB = \$XXX/year to support the storage needs of the project.

### **OneDrive:**

Data will be stored on Microsoft's OneDrive for Business storage space. The University of Iowa has an enterprise agreement with Microsoft and have contractually agreed to safeguard UI data. This is a secure space that includes continuous backups. Space required for this project is approximately XX Gigabytes. The cost of up to 1TB is free.