

# Federation University Digital Research Data Storage Options Chart

	Federation OneDrive	Federation SharePoint	Federation.figshare	Customised solution	CloudStor FileSender (transmission only)
Are you working with very large datasets <sup>1</sup> ?				✓ <a href="#">ITS service portal</a>	
Is your dataset complete?			✓		
Are you working with active data <sup>2</sup> ?	✓	✓			
Are you using sensitive or private data <sup>3</sup> ?		✓			
Are you sharing your data with other Federation University researchers?	✓	✓			
Are you sharing your data with researchers external to Federation University?		✓			✓ Transmission only

1. Dataset size (guide only): 'small', up to 30GB; 'medium', between 30GB and 100GB; 'large', greater than 100GB up to 500GB; and, 'very large', greater than 500GB.
2. For the purposes of this document, active or working data are defined as data that require ongoing access for modification, analysis, compilation, etc. Archival storage solutions are more appropriate for 'end state' data.

3. The use of sensitive data includes any personal, licenced, proprietary and commercially-produced data. For "sensitive" data classifications, refer to the following legislative definitions: [Information Privacy Act 2000 \(Vic\)](#), [Privacy Act 1988](#).

Digital Research Data Storage Options	Benefits	Limitations
<b>Federation OneDrive</b> <ul style="list-style-type: none"> <li>For Federation University staff and students: requires password access</li> <li>Share files with small internal groups</li> </ul>	<ul style="list-style-type: none"> <li>Is appropriate for active research datasets</li> <li>Is suitable for 'sensitive' (critical) data<sup>3</sup> where the data are used within Federation University</li> <li>Suitable for small to large datasets<sup>1</sup></li> <li>Version history for backups of data files is available by default, ensure files are saved on a regular basis</li> <li>External access is available for sharing non-sensitive data</li> </ul>	<ul style="list-style-type: none"> <li>Default space is insufficient for very large datasets</li> </ul>
<b>Federation SharePoint</b> <ul style="list-style-type: none"> <li>For Federation University staff and students: requires password access</li> <li>Recommended to have at least two owners per shared folder</li> <li>Share files with large internal groups, or with external collaborators</li> </ul>	<ul style="list-style-type: none"> <li>Windows 10 SOE: security is centrally managed</li> <li>Version history for backups of data files is available by default, ensure files are saved on a regular basis</li> <li>Is suitable for 'sensitive' (critical) data<sup>3</sup> where the data are used within Federation University</li> <li>Suitable for small to medium active datasets<sup>1</sup></li> <li>No limitation on the number of versions that can be kept except for an individual's storage limit (10TB)</li> </ul>	
<b>Federation.figshare</b> <ul style="list-style-type: none"> <li>For Federation University staff and HDR candidates</li> <li>Share with external collaborators</li> <li>For completed datasets and non-traditional research outputs</li> <li>DOIs provided on file publication</li> </ul>	<ul style="list-style-type: none"> <li>Cloud-based: provides access to files locally and remotely for sharing and collaboration</li> <li>Backups: AWS storage: offsite replication in two locations</li> <li>Version control</li> </ul>	<ul style="list-style-type: none"> <li>Not suitable for 'sensitive' (critical) data<sup>3</sup></li> <li>Not suitable for active data</li> <li>Suitable for small to large datasets</li> </ul>
<b>Customised Solution</b> <p>For datasets that have complex information security requirements, particularly where data is shared outside Federation University, is a large or very large file, or has non-standard remote access requirements. Allocations are provided on a case-by-case basis.</p>	<ul style="list-style-type: none"> <li>Suitable for 'sensitive' (critical) data<sup>3</sup></li> <li>Suitable for very large datasets<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>Mediated storage solution for very specific data storage requirements. Service design (where applicable) is determined on a case-by-case basis; contact the <a href="#">ITS Service Portal</a></li> </ul>
<b>CloudStor FileSender (transmission only)</b> <p>CloudStor FileSender is provided by AARNet, the Australian national research and education network. Federation University password access</p>	<ul style="list-style-type: none"> <li>Suitable for any size and type of files</li> <li>Transfer up to 1,000 files at a time with a combined maximum size of 50 TB per upload.</li> </ul>	<ul style="list-style-type: none"> <li><b>Not a storage solution – transmission of data only</b></li> <li><b>Files can be encrypted in your browser before transmission and max file size is 4 GB<sup>3</sup></b></li> </ul>
<b>Transportable devices</b> <p>CDs, DVDs, USBs, Ext HDs</p>	<ul style="list-style-type: none"> <li>Readily available and cheap to buy</li> </ul>	<ul style="list-style-type: none"> <li><b>Federation University does not recommend these and takes no responsibility for their use</b></li> <li>Longevity is questionable; devices are prone to failure, theft and obsolescence, therefore not suitable for long-term storage</li> <li>Not recommended for master copies of datasets</li> <li>Encryption is required for 'sensitive' data<sup>4</sup> - <a href="#">BitLocker to Go (Win7/8/10)</a> can be used on USBs and external hard drives. Mac users should consider an appropriate encryption system.</li> <li>Not suitable for large to very large datasets<sup>1</sup></li> </ul>