

CloudStor supports national and international collaboration by helping the research community securely store, share, sync and send files.

CloudStor removes the frustration of slow data transfer rates for very large files by providing a super-fast, easy-to-use and secure file transfer and storage solution hosted on the AARNet network.

Why CloudStor?

Unlike most cloud storage services, CloudStor is designed to meet the specific needs of researchers:

- + 1TB storage free for individual researchers at AARNet-connected institutions
- + Group storage quotas for research projects
- + For institutions, larger allocations are available for an annual fee. These are tiered at 100TB, 500TB and 1PB or above.
- + Quick and secure large file transfer with no file size restrictions
- + Synchronise files to the desktop or access via web interface from desktop or mobile devices
- + Edit a wide range of document types directly in the CloudStor portal using the collaborative document editing tool
- + Seamless single sign-on access using home institution credentials (for Australian Access Federation (AAF) members)
- + Easy to use with no plugins required
- + Upload datasets from scientific instruments with the CloudStor Rocket upload tool
- + Works with institutional repositories and national merit-based storage
- + Collate, describe, package and share groups of files and associated metadata
- + A sustainable service that AARNet plans to provide indefinitely

Key features

- + Data is replicated a minimum of three times at geographically distributed storage nodes for high reliability and availability
- + Data is stored in Australia, mitigating data sovereignty issues
- + Storage is directly connected to the AARNet backbone, providing very high performance
- + Web client is accessible from any platform and supports contemporary web technologies
- + Sync client is available for Windows, Mac OSX, Linux, iOS and Android
- + Access Amazon and other cloud data stores remotely from CloudStor interface using WebDAV and S3
- + Cloudstor uses EOS, the scalable back-end storage developed at CERN.

What researchers say

“ CloudStor is rapidly becoming a critical part of how we do things here at CAI – one of its key advantages is the ability to share, disseminate and collaborate on project data with strict security controls.”

Dr Andrew Janke - NIF Informatics Fellow, Centre of Advanced Imaging, University of Queensland

“ By using the Filesender API to link its archival services with CloudStor, the University of Melbourne eScholarship Research Centre can deliver archival collection materials via request by an online form to researchers anywhere in the world. The request for the supply of archives process happens in a matter of seconds through lightweight technical integration and because CloudStor operates on the national high-speed network provided by AARNet.”

A/Prof Gavan McCarthy - University of Melbourne



1TB storage free to researchers



Cloud based collaboration and storage



Single Sign On



Available on iOS, Android, Mac and PC