

The "Sistema de almacenamiento y Servicios Informáticos Biomédicos Avanzados" (SASIBA2, FONDEQUIP EQM210020) provides high-speed data storage and computing resources capabilities hosted at the University de Chile main data center.

Technical description

SASIBA2 has a storage capability of 600 TB at an SSD speed level (500 MB/s). Storage runs on an integrated SAN/NAS unit scalable up to 4 PB (Dell EMC Unity 480XT) to allow data access from desktop PCs using SAMBA/NFS (Windows / Mac / Linux). Also, a cluster of 3 general-use servers (Dell PowerEdge R640, 20 cores, 256 GB RAM, Nvidia Tesla T4 cards) is available in a TIER-2-like data center facility with 12x6 on-site engineer monitoring and 24/7 automatic alarms.

Running services

SASIBA2 runs three primary services: (1) cloud storage, (2) massive storage, (3) virtual private servers. (1) Cloud storage using the internet is based on owncloud (an open-source Dropbox-like software), which supports research groups' collaboration. (2) Massive storage allows storing big sizes or many files, taking advantage of the University of Chile's internal 10 Gbps and REUNA. (3) Virtual private servers allow a remote server (Windows or Linux) to access massive storage or run custom software.

Quote

Automatic quote estimation is available at <https://redec.med.uchile.cl/cotizador/>
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