Coronado Cloud Gateway
Multi-Protocol gateway for Cloud and Object based Storage

Key Benefits

- S3 Gateway for Cloud and Object Based Storage

- Multi-protocol support including SMB and NFS to any S3 target

- Native File to Object Support. Files sent to Cloud Storage remain in the same format as the file. BridgeSTOR does not mangle files to objects.

- Full Active Directory Integration for User Authentication

- Protected Cloud™ Security with enhanced AES-256 bit encryption

- High Speed buffering reducing Cloud latency allowing for a more productive user experience

- Background processing sends the files efficiently to Cloud Storage

- Set it and Forget it simple GUI. Most Installations are less than 30 minutes.

- Ships as an OVF, AMI or an ISO for installation on physical hardware.

The BridgeSTOR Coronado Cloud Gateway has been designed for users that require simple and easy file access to Cloud and Object based storage. The Coronado NAS Server is built on Centos 7 and includes the BridgeSTOR CSFS file system. CSFS is a high-speed file system that mounts as a local Linux file system and converts files to S3 objects allowing native Linux applications and remote storage protocols such as NFS and SMB to easily access Cloud and Object Based Storage. Coronado Cloud Gateways may be distributed around campus environments or around the world allowing data to be shared as a Global File System.

Challenge
Cloud and Object base Storage have proven to be resilient and highly available, however most current and older applications are not programmed to function with S3 or Azure Storage protocols and require file access. Current gateway technologies that convert S3 protocols tend to be slow due to high latency between remote locations and Cloud and write in a proprietary format that lock users into their platform. Proprietary formats make syncing of metadata, file sharing and reading objects between applications and multiple locations extremely difficult.

Compute environments are now moving to the edge and would like to adopt lower cost object storage and many of these edge applications still require file-based access. The high-speed access of the Coronado NAS allow local file based applications to take advantage of the lower cost object-based storage.

Solution
The Coronado NAS Cloud Storage Server exports standard storage protocols such as SMB, NFS while seamless integrating with Microsoft Active Directory for user authentication. The Coronado NAS Server built on Centos 7 may easily be managed by IT professionals and allows 3rd party applications to run natively on the server extending the base functionality. Coronado NAS Servers are stateless and may be distributed around the enterprise or in the cloud as an AMI and may be tuned for intense file workloads.