

Panzura™ Global Cloud Storage System for EMC Atmos Clouds

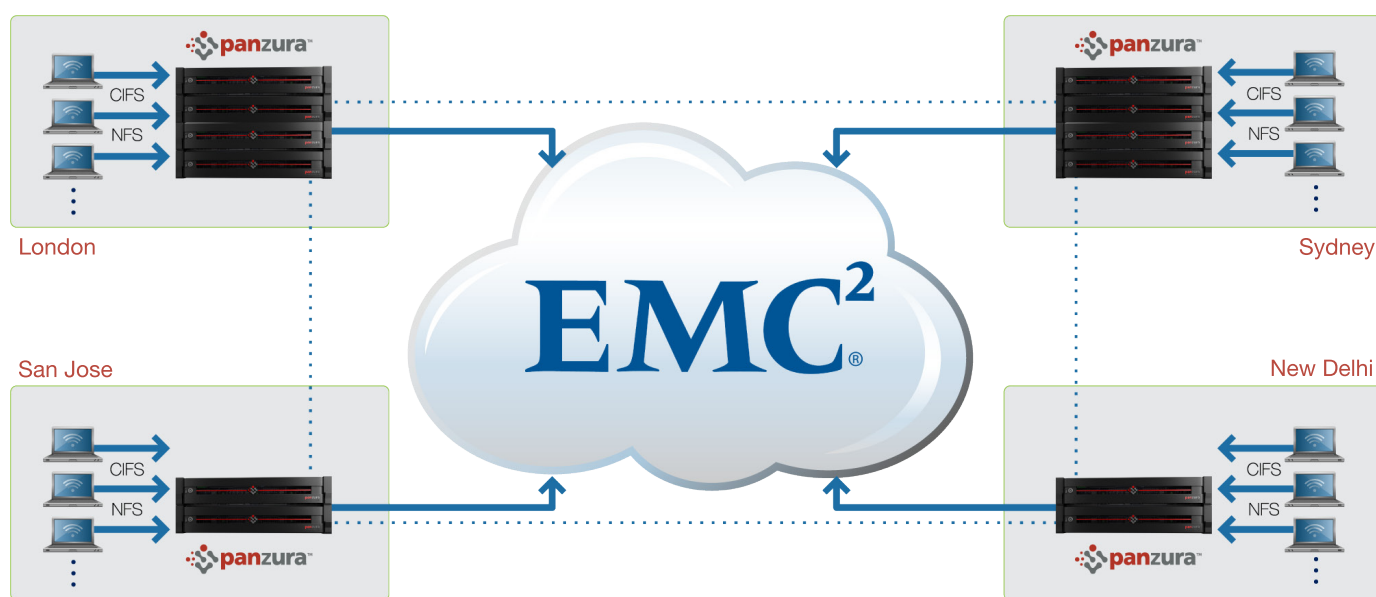
Enterprises today are struggling under the weight of massive growth in unstructured data and the desire to formulate an IT strategy that leverages the benefits of cloud storage for big data. To implement tier-2 NAS, cloud NAS, and data protection today requires a collection of point solutions that must be integrated, managed and debugged by the end user, with the combined solution often failing along one or more dimensions: disruption of existing operations, minimization of storage capacity and bandwidth consumption, assurance of data availability and protection from theft, and minimization of latency. Deploying a Panzura Global Cloud Storage System with an Atmos cloud provides globally-distributed enterprises with cross-site access to all files, integrated file locking, deduplication, encryption, snapshots, access management, and massive scalability in capacity. This combination of robust and flexible global file system with elastic object storage brings the benefits of the cloud seamlessly to users throughout the enterprise.

Using Panzura Global Cloud Storage Systems in conjunction with an EMC Atmos cloud provides:

- Sharing of files across all sites of a globally-distributed enterprise for improved collaboration and productivity
- Full data security from military-grade encryption of data both in motion and at rest
- Distributed file locking, access control, snapshots, global deduplication
- Seamless integration with massively scalable cloud capacity for big data storage
- Cloud-based active archiving, backup, and disaster recovery

Panzura: Cloud Storage Made Seamless

The Panzura Global Cloud Storage System combines high-performance Cloud Storage Controllers, a global file system, and an innovative operating system to provide robust and secure global file management with the cloud, including file sharing, active archiving, disaster recovery, and backup. Panzura customers are able to view and access any file at any location at any time from anywhere with minimal latency, making accessing files from any site feel as if they are local. By supporting both CIFS and NFS protocols, Panzura Cloud Storage Controllers drop into most infrastructures without any changes or disruption. Military-grade encryption, dynamic file locking, user-managed snapshots, deduplication, and flexible permissioning enable both LAN-like file access and storage consolidation, meeting the needs of both storage users and administrators.



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EMC Atmos Enterprise Cloud Storage

EMC Atmos cloud storage lets enterprises and service providers store, manage, and protect globally-distributed, unstructured content at scale. Atmos builds on EMC’s longstanding leadership in storage to provide the essential building blocks to implement a private, public, or hybrid cloud storage environment. With the Atmos cloud, enterprises can efficiently store, manage, and aggregate distributed big data across locations through a single pane of glass. Atmos makes it easy to add capacity, applications, locations or tenants to the enterprise cloud with no need to develop or reconfigure. Atmos clouds give any users and applications instant access to data across the network while allowing enterprises and service providers to meter capacity, bandwidth, and usage across tenants.

Total Solution

Overcoming the challenges of big data and finding strategies to tap into the benefits of cloud storage can lead enterprises to deploy a plethora of point solution technologies and then be left with the task of integrating them into their infrastructure, configuring them for optimal performance, managing them over their varied life cycles, debugging them when there is a failure in the IT environment, and never achieving expected performance or cost goals. With Panzura Global Cloud Storage Systems and EMC Atmos clouds, customers get a tested, robust combination that provides global file access and management, flexible and near-infinite capacity scalability, and native data protection, all in a seamless, low-latency solution.

Panzura: Cloud Storage Made Seamless

	PZS-VM	PZS-1000	PZS-2000
Size	Virtual Machine	1U	2U
SSD Acceleration	N/A	1-4 SSDs	1-12 SSDs
Maximum Local Capacity (Raw)	3.5 TB	8 TB	24 TB (Head Only) 216 TB (with Expansion Shelves)
Local Data Protection	Customer Provisioned	RAID-5	RAID-5, RAID-6
Maximum Cloud Capacity	Unlimited		
Network Interface	N/A	2 x Gigabit Ethernet	2 x Gigabit Ethernet, optional 10-Gigabit Ethernet



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