

Panzura Global Cloud Storage System for EMC Atmos

Enterprises today are struggling under the weight of massive data growth and the desire to formulate an IT strategy that leverages the benefits of cloud storage. To implement a global storage policy 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, storage capacity and bandwidth consumption, data availability and access speeds, security, and latency. Deploying a Panzura Global Cloud Storage System with an EMC Atmos cloud provides globally-distributed enterprises with worldwide access to all files, distributed file locking, global deduplication, encryption, snapshots, access management, and massive scalability in capacity. This combination of a robust and flexible global file system with elastic EMC-backed object storage brings the benefits of the cloud seamlessly and securely to users throughout the enterprise.

Panzura: Cloud Storage Made Seamless

The Panzura Global Cloud Storage System combines high-performance Panzura Controllers, the Panzura Global File System, and the innovative Panzura Software to provide:

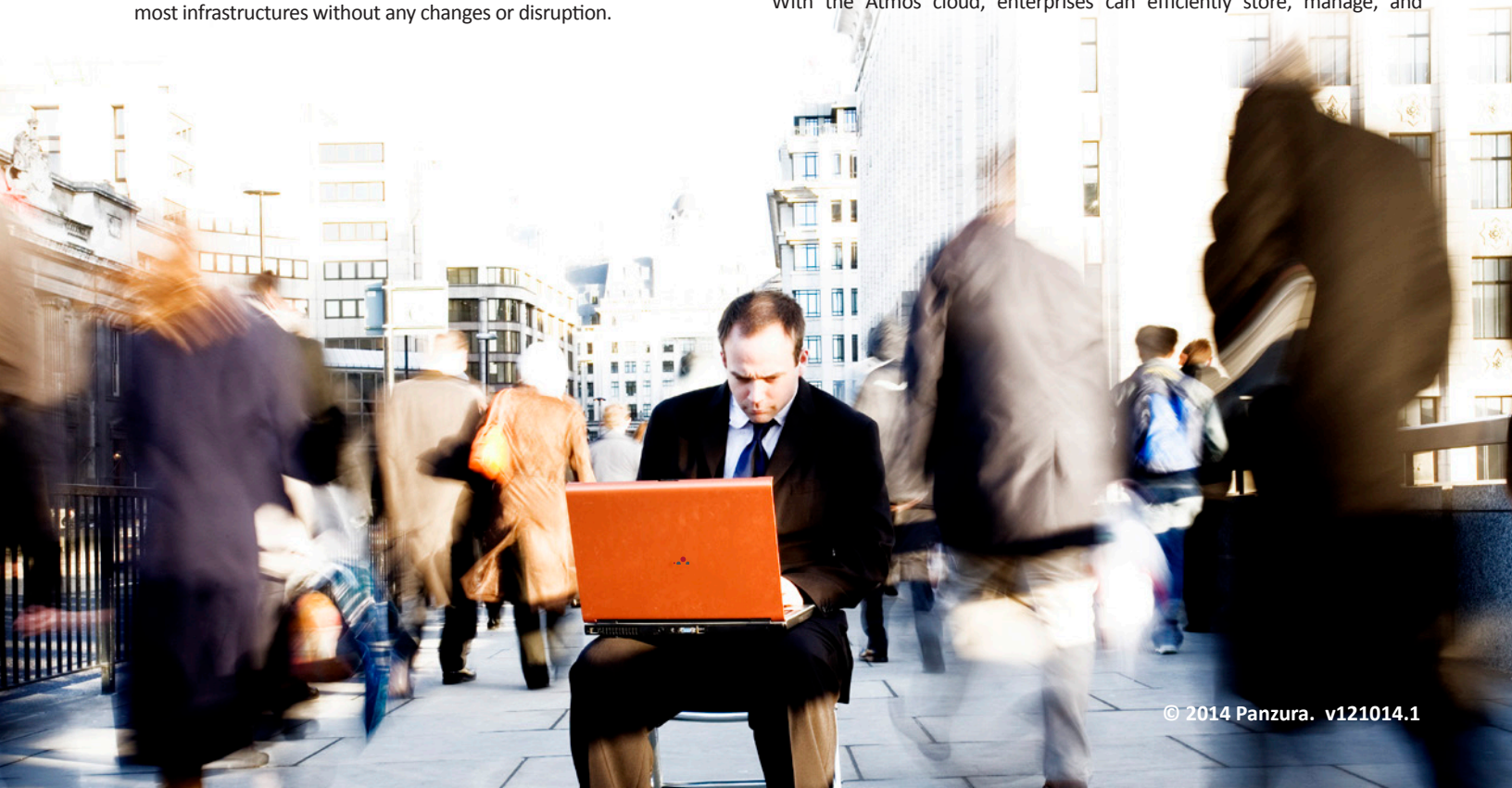
- Robust and secure global file management with the cloud, including file sharing, active archiving, disaster recovery, and backup.
- Access to any file at any location at any time from anywhere with minimal latency, making accessing files from any site feel as if they are local.
- Support for both CIFS and NFS protocols, for seamless integration with most infrastructures without any changes or disruption.

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

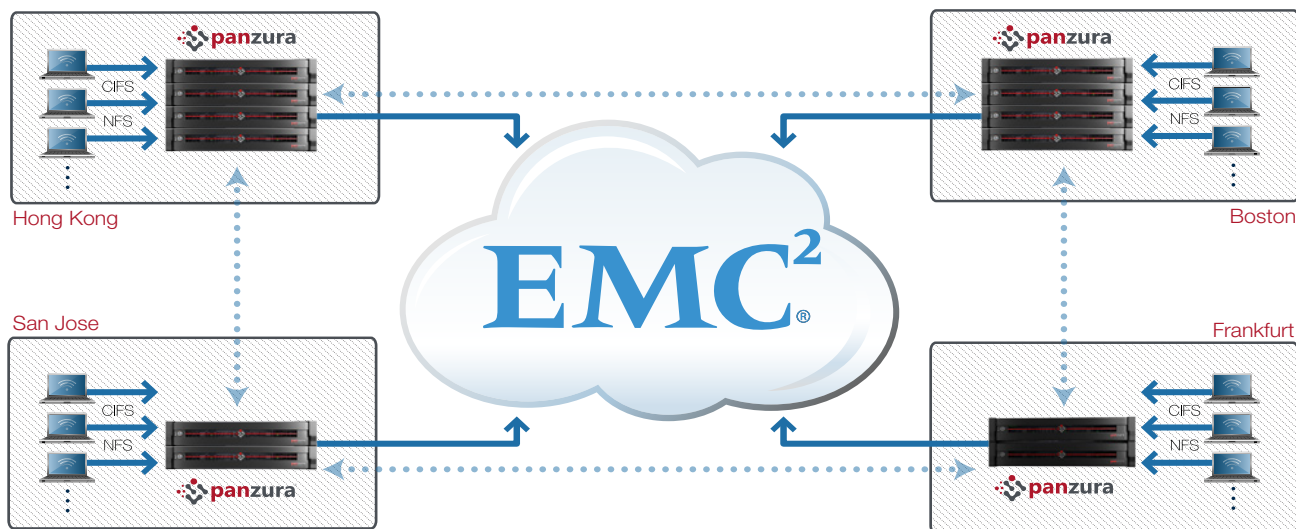
- Sharing of files/workflows across all global sites for improved productivity
 - FIPS 140-2 validated, military grade encryption
 - Distributed file locking, access control, snapshots, global deduplication
 - Ability to move data among private, public, and hybrid cloud platforms
 - Storage backed by EMC sales and support
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- Military-grade encryption, dynamic file locking, user-managed snapshots, deduplication, and flexible permissioning enable both local file access speed and storage consolidation, meeting the needs of both users and storage administrators.

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 and the ability to move data among each platform. With the Atmos cloud, enterprises can efficiently store, manage, and



aggregate 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 data growth and globally-distributed users, 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 backed by the leader in storage, and native data protection, all in a seamless, low-latency solution.

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	VM	GFS-2800 Series	GFS-4000 Series
Size	Virtual Machine	1U or 2U	2U
SSD Acceleration	Note 1	4-24 drive	4-24 drives
Max. Local Cache (Usable)	Up to 8TB	Up to ~4.8 TB	Up to ~12.7 TB
Local Data Protection	Customer Provisioned	RAID-5	RAID-5
Max. Cloud Capacity		Unlimited	
Network Interface	1 or 2NICs 1GbE	1 or 2 NICs 1GbE or 10GbE	1 or 2 NICs 1GbE or 10GbE

Note: The VM can be installed on an ESXi server that has available SSD capacity.

