



Panzura Freedom Virtual Hard Disk (VHD) for Azure

Consolidate unstructured data to Azure and eliminate islands of storage, simplify management, and enable your distributed workforce to collaborate on the most complex projects.

The Panzura Freedom Family™, powered by Panzura's CloudFS™, enables data center performance with the economics, scalability, and durability of the Microsoft Azure cloud. Enterprises can consolidate their unstructured data from legacy NAS systems to the cloud to consolidate storage into Panzura's Global Cloud File System and simplify complex backup, archive, and disaster recovery processes with a simple, automated solution.

Panzura Freedom™ provides freedom of choice and ease of deployment to run on any combination of physical systems, virtual machines (VMs) in ESXi environments, and in-cloud instances running as a Virtual Hard Disk (VHD) in the Microsoft Azure cloud.

Panzura Freedom Virtual Hard Disk (VHD) for Azure

Bring all the features and capabilities of a local Freedom Filer to the Microsoft cloud with Panzura Freedom VHD, giving in-cloud applications high-performance direct access to Microsoft Azure Blob storage from any location in the global infrastructure. Organizations can leverage the flexibility and scalability of Microsoft Azure and all the benefits it provides, while tying it directly and seamlessly to CloudFS. Panzura Freedom VHD provides fast, global access to the enterprise's central data store, empowering a worldwide, low-cost, responsive IT environment.

The Panzura Freedom VHD also provides advanced disaster recovery (DR) capability for physical locations by enabling organizations to recreate an exact instance of the filer from any physical site. It seamlessly transitions from a remote, physical appliance to an in-cloud VHD and enables the reconstruction of a lost site directly in Azure, with access to the necessary data. This process provides fast recovery and immediate data access without requiring a rebuild of the physical site. This eliminates the need to restore from local disk copies or to retrieve and reload tapes.

Complete Cloud-Integrated Storage

With support of unlimited sites, achieving unlimited capacity within Azure Blob Storage, and leveraging Azure Compute, Panzura Freedom provides a complete, globally distributed

The Panzura Freedom VHD for Azure provides:

- Unified user experience across physical sites and VHD instances
- Consolidation of unstructured data to Microsoft Azure Blob storage
- Seamless access to unlimited compute and storage
- Simplified backup, disaster recovery, and archive processes

hybrid cloud storage solution. Panzura Freedom VHD enables IT leaders to create virtual, cloud-based compute environments that seamlessly tie directly into their global physical and virtual infrastructure and the Panzura CloudFS. The VHD version of the CloudFS makes integrating cloud compute and storage into a simple process and provides a platform for a new era of enterprise computing.

Get the same award-winning capabilities of the Panzura Freedom Family on the Freedom VHD for Azure including:

Unprecedented Performance at Scale

Get unprecedented performance at scale to meet application and user demands. As the number of users and workloads change, Panzura Freedom can dynamically scale to meet the needs of the organization. Patented metadata transport and storage, combined with global deduplication and compression, moves data efficiently and minimizes bandwidth consumption.

Expanded Data Center Workloads

Panzura CloudFS is a Global Cloud File System purpose-built for the cloud, incorporating intelligent file services backed by numerous patents. With full support for the latest versions of both SMB and NFS protocols, the Freedom Family delivers maximum performance for every application. In addition to traditional file sharing with SMB v3, full support for high performance NFS v4 expands coverage for engineering and design, simulation, imaging, and software development applications.



Any Platform

Panzura Freedom can be deployed three ways: on a physical system, as a virtual machine on existing infrastructure, or run as a virtual instance in the Microsoft Azure cloud. Customers always have the freedom to use any combination of deployments to best meet their needs.

Automated, Centralized Management

Always stay in control of your storage with an intuitive, easy to use GUI that provides centralized management for every Freedom instance in your global namespace. A highly customizable dashboard provides detailed reporting for every aspect of your storage. Automated health checks and email alerts ensure that you are always up to date on the status of your unstructured data storage. Programmable APIs enable administrators to automate tasks and always be in control.

Cloud Data Protection

Consolidate unstructured data in the cloud and simplify or eliminate backup, disaster recovery, replication, and archive workflows. The Panzura Freedom Family uses space efficient snapshots to provide data protection with a near zero RPO. The Freedom Family enables fast, granular restoration ranging from an entire file system down to an individual file. Simplify your secondary storage architecture and workflows by combining the flexibility of Freedom with the durability of Microsoft Azure Blob storage.

	VHD-SMALL	VHD-MEDIUM	VHD-LARGE
Azure Instance Family	Standard_DS13_v2	Standard_DS14_v2	Standard_DS15_v2
Premium Managed Virtual Machine Disks	P30	P30	P30
Max. File System Capacity	Azure Defined		
Max. Snapshots	2^64		
Max. Cloud Capacity	Azure Defined		
Encryption	AES 256-CBC , TLS v1.2		
Network Protocol Support	SMB (v1,v2,v3), NFS (v3, v4)		
Cloud Connection Protocols	HTTPS, SSH		
Monitoring	SNMP v3, Email Alerts and API		



Panzura, Inc. | 695 Campbell Technology Pkwy #225, Campbell, CA, USA | 855-PANZURA | www.panzura.com

Copyright © 2019 Panzura, Inc. All rights reserved. Panzura is a registered trademark or trademark of Panzura, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.