

Maxta Storage Platform

Enterprise Storage Redefined

- ✓ Eliminate Storage Arrays and Storage Networking
- ✓ Dramatically simplify IT by eliminating Storage Management
- ✓ Provide VM-centric Enterprise-class Data Services
- ✓ Optimize for flash performance and hard disk capacity
- ✓ Enable compute/storage convergence on standard servers maximizing capital and operational savings while realizing the Software-Defined Data Center vision

Maxta's Approach

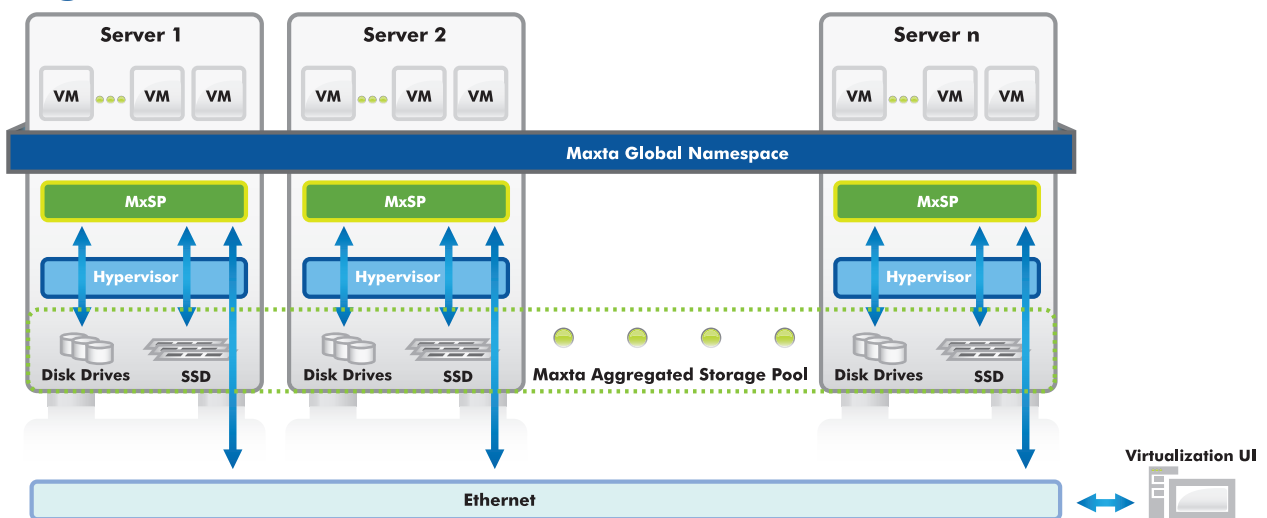
Maxta has developed a ground breaking, highly resilient, scalable, distributed, Software-Defined VM Storage Platform (MxSP) that enables IT to fully realize the vision of the virtual data center. The innovative, peer to peer architecture aggregates storage resources from multiple servers, assimilating a global namespace and all the functionality of shared storage that enterprises need for leveraging capabilities such as migration of virtual machines, dynamic load balancing, high availability and disaster recovery. Maxta enables the convergence of applications, server virtualization, and storage on standard servers thereby eliminating the need for storage arrays and realizing the Software-Defined Data Center vision. It provides the ability to scale server virtualization and storage independently on-demand, one standard server at a time without having to over-provision resources.

The MxSP architecture provides VM level storage abstraction rather than block or file level abstraction. It eliminates the need for provisioning and managing low level storage constructs such as LUNs, volumes, files, and RAID. Additionally, it fully integrates VM-level storage management

into the server virtualization UI to further improve and simplify IT. With extremely fast and efficient VM level snapshots, zero-copy clones, local and remote replication, MxSP delivers VM agility, data resiliency, availability and protection. Combining this with capacity optimization techniques such as thin provisioning, in-line compression and in-line de-duplication, the platform delivers significant storage efficiency.

MxSP intelligently maps VMs to storage resources, optimizing data layout for virtual workloads and leverages any form of flash technology for read/write caching. It dramatically improves performance, enabling deployment of data centers on commodity servers and eliminates the need for IT administrators to make difficult tradeoffs between performance and cost. MxSP leverages any combination of magnetic disk drives and SSDs to deliver competitive performance and high capacity at an attractive price for all storage workloads in a virtualized environment. In summary, MxSP significantly simplifies IT, increases IT efficiency, and dramatically reduces capital and operational expenditures.

Maxta Storage Platform Architecture



Shared Storage
Made Easy

Key Benefits

Dramatically Simplify IT – Manage VMs, NOT storage:

MxSP dramatically simplifies IT by eliminating the need for storage provisioning and managing volumes, LUNs, file systems, and RAID. The installation and configuration of MxSP takes only few minutes. Additionally, all data services such as local and remote replication, snapshots and zero-copy clones are configured and managed from the virtualization UI at the VM level rather than from a storage specific UI at the storage level. This enables the VM administrator to leverage storage without the need for deep storage and vendor specific expertise. This simplification along with converged compute and storage eliminates the day-to-day tasks of storage management and enables administrators to focus on managing applications and VMs.

Enhance Resiliency, High Availability, Data Protection, and Agility – Provide Enterprise-class Services:

The revolutionary MxSP achieves best-in-class resiliency and high availability with end-to-end data integrity and no single point of failure. MxSP can sustain any 3 disk drive failures without losing data or access to data. With unlimited number of VM level snapshots, backup performance is improved and recovery times are dramatically reduced. With asynchronous replication and continuous data protection, disaster recovery of applications is greatly simplified and accelerated for business continuity. MxSP's implementation of consistency groups for both snapshots and replication enables comprehensive recoverability for applications that span multiple VMs. Additionally, VMs can be instantly provisioned by cloning and leveraging VM templates, thus improving VM agility. MxSP seamlessly integrates with all the advanced capabilities of the server virtualization software.

Maximize CAPEX and OPEX Savings – Leverage Convergence and Commodity Components:

MxSP enables significant capital savings by converging compute and storage resources on standard commodity servers, without compromising performance or scalability. This provides considerable up-front capital savings and even greater savings on upgrades compared to the capital expenses associated with purchasing and expanding storage arrays or storage appliances. In addition, MxSP leverages commodity disk drives, consumer grade SSD, snapshots, zero-copy clones, thin provisioning, in-line compression and in-line de-duplication to increase storage efficiency and reduce storage expenses. MxSP can coexist alongside traditional storage array and servers thereby providing investment protection. By significantly simplifying IT, increasing IT efficiency, and enabling administrators to focus on managing applications and VMs, MxSP enables dramatic reduction in operating expenses.

Ultimate Storage for the Virtual Data Center



Dramatically Simplify IT

Manage VMs, NOT Storage

- VM storage abstraction
- Up and running in minutes
- Integrated into Virtualization UI
- VM-centric data services
- Eliminate storage arrays



Enhance Resiliency, Availability, Data Protection & Agility

Provide Enterprise-class Data Services

- High availability
- No single point of failure
- Space/time efficient snapshots
- Zero-Copy clones
- Local and remote replication



Maximize CAPEX & OPEX Savings

Leverage Convergence and Commodity Components

- Converged compute/storage on commodity servers
- Commodity disk drives & SSD
- Capacity optimization: Thin Provisioning, Compression, De-Duplication
- Coexistence with legacy storage
- Eliminate storage management

