

Accelerate VMware Horizon View with Tegile Intelligent Flash Arrays

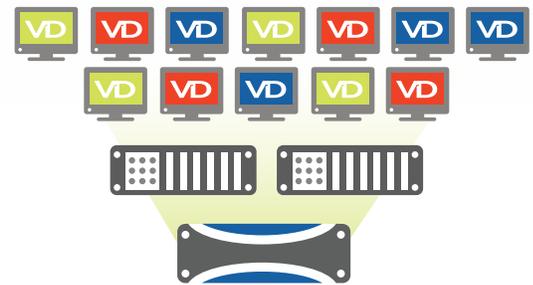


Highlights

- Deliver consistently high performance as you scale
- Maximize density and drive down the cost per virtual desktop
- Simplify deployment and management with vCenter integration
- Host virtual desktops and user data on a single array
- Ensure virtual desktops are available 24x7 and user data is protected

VDI has the potential to greatly simplify desktop management and give end users unprecedented flexibility. However, as you scale from hundreds to thousands of users, it can be difficult to continue to deliver a rich desktop experience without hitting the storage I/O wall or seeing your storage costs spiral out of control.

Think AND, not OR when it comes to the storage for your VMware Horizon View implementation. Tegile Intelligent Flash Arrays deliver the fastest possible response times while enabling you to significantly reduce storage costs. You will have the perfect platform to scale your VMware Horizon View implementation from hundreds to thousands of users and achieve fastest return on your storage investment.



Deliver Consistently High Performance

It can be a challenge to deliver consistent performance when thousands of desktops are booting up and logging in at once. You need a storage solution that can ride out the storm.

With a massive number of IOPS at its disposal, a Tegile array can easily handle boot storms and make login events an order of magnitude faster. This is accomplished using data reduction and metadata acceleration techniques provided by Tegile's IntelliFlash software architecture.

Inline deduplication acts as a performance multiplier, freeing up space in the cache for faster reads and writes. Virtual desktop images, applications and user files can be deduplicated and stored on flash.

Tegile arrays also automatically separate metadata from data. The metadata is then organized, aggregated, and stored on flash. This stands in stark contrast to traditional storage solutions, which co-mingle application data with metadata into one storage pool.

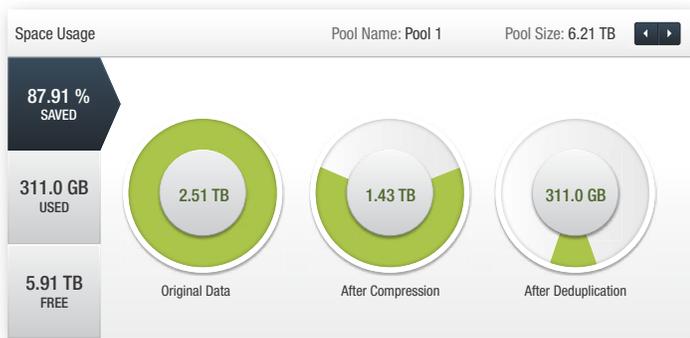
Moreover, Tegile arrays take advantage of vStorage APIs for Array Integration (VAAI), which minimize I/O on the storage network by offloading storage operations like cloning and snapshots to the array. This means operations complete much faster and with reduced CPU overhead on the host.

Drive Down Your Storage Cost Virtual Desktop

Tegile arrays are engineered for storage efficiency, allowing you to dramatically cut down your storage acquisition and operational costs.

Most desktop users only use a fraction of their total storage capacity. Tegile arrays offer thin provisioning so you can maximize storage capacity. Thin-provisioned LUNs automatically allocate physical storage as data is being written. Any space that's been allocated but hasn't been consumed remains available for other virtual desktops and applications.

Tegile arrays also use inline compression and deduplication, which can shrink the storage footprint up to 90% in VDI environments. Redundant OS images are reduced to a single instance and stored in flash. Hundreds or thousands of persistent VDI instances can be shrunk down to one single boot image.



Host Virtual Desktops and Data on a Single Array

Consolidate virtual desktop images, applications, and user data on a single array. Tegile arrays support both NAS and SAN protocols. Virtual desktop images can be deployed using NFS, iSCSI or Fibre Channel protocols, while user data can be hosted on the same array and accessed via CIFS for Windows desktops and NFS for Linux desktops.

You can also consolidate other workloads, such as virtual servers and databases, on a Tegile array for an even greater return on your investment.



Simplify Deployment & Management

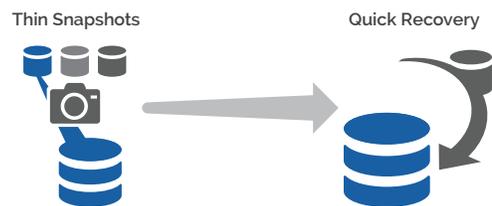
Create and deploy hundreds of virtual desktops in minutes, not hours, and dramatically cut down the time required for doing regular VDI maintenance tasks. Tegile includes a VMware vCenter plug-in, enabling you to provision datastores, manage snapshots and restores, and monitor I/O status, space usage and latency for all of your Tegile arrays from either vCenter's Web or desktop client. You can also script and automate data protection tasks via Tegile's programmable RESTful APIs.

Ensure the Availability and Protection of End User Data

End users expect their virtual desktops and data to be available 24x7. When deploying VMware Horizon View on Tegile arrays, you'll benefit from the resilience, end-to-end data integrity, and high-availability features provided by the IntelliFlash architecture.

All Tegile arrays include space-efficient snapshots and remote replication capabilities. Integration with VMware and VSS enables VM-consistent snapshots for virtual desktop images and application-consistent snapshots for application data. Instantaneous thin snapshots create space-efficient, point-in-time copies of data that can be replicated and instantaneously restored.

Additionally, Tegile arrays are fully redundant with no single point of failure and dual active/active controllers to maximize your investment in array hardware.



Getting Started

Tegile is an elite VMware technology partner. Its storage is a Horizon Fast Track 2.0 Proven Storage solution, validated and certified for use with VMware Horizon View 6.0, 5.3, 5.2, and 5.1.

To get you started, [VMware and Tegile have published a joint reference implementation for deploying Horizon View desktops and infrastructure](#). Leverage the pre-tested architecture to minimize configuration guesswork and eliminate deployment risk.