

# High Availability for Citrix® Provisioning Server™ using Melio Clustered File System

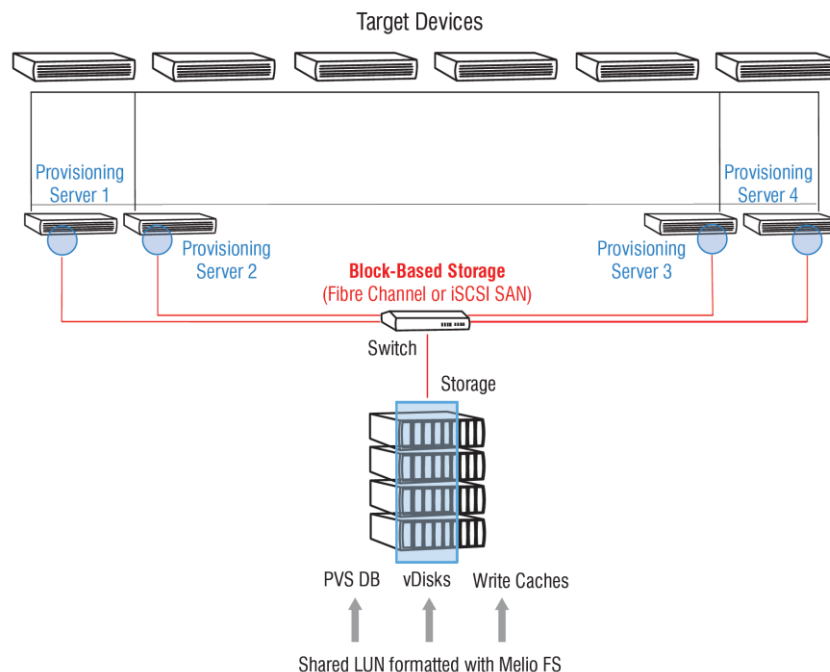
Citrix Provision Server provides dynamic delivery of XenApp and other datacenter workloads:

- Server workloads are streamed to bare-metal servers or virtual servers on-demand
- Risk-free workload rollout – roll back to previous working image on reboot
- Server-build consistency assured
- Streaming the workload enables business agility

High availability is a standard feature of PVS. Enabling it requires a shared storage resource for the vdisks, configuration database used by the Provisioning Server, and write cache for target devices

- Scalability and performance of the Provisioning Server is dependent on the I/O performance of the storage resource.
- Best practice for performance and scalability is SAN storage and a clustered file system

Melio clustered file system and LaScala volume manager provide high performance shared read/write access to a shared LUN on a SAN from multiple Provisioning Servers. It is easy to install and manage, and has a proven track record with Citrix Provisioning Server



## Advantages of SAN Storage with Melio Clustered File System and LaScala Volume Manager as the Shared Storage Platform for Citrix Provisioning Server

Use with any standard SAN storage hardware, and match hardware performance against I/O requirements of the installation

Redundancy in storage and networking connections provide highest levels of reliability

Flexible scalability to support target device expansion:

- Additional bandwidth can be provided using multiple network connections between each Provisioning Server and the storage array via a FC switch.
- Additional FC switches can be installed to load-balance I/O demands amongst multiple I/O controllers.
- Additional drives or better-performing drives can be installed in the storage array to support the increase in I/O demands.

## Requirements for Shared SAN for Citrix Provisioning Server

### Fibre Channel SAN

- Fibre Channel Storage Array
- Fibre Channel Switch
- Host Bus Adapters for Each Provisioning Server
- A copy of Melio FS and LaScala for each Provisioning Server
- A TCP/IP network between Provisioning Servers

Or

### iSCSI SAN

- iSCSI Storage Array
- GigE Switch and Networking between Storage Array and Each Provisioning Server
- A copy of Melio FS and LaScala for each Provisioning Server
- A TCP/IP network between Provisioning Servers