



Do Your Servers Have Advanced Enlightenment?

Affordable Drobo® shared storage enables SMBs to reach a Zen state for application HA with Citrix® XenServer® Advanced Edition

Customer Challenge

Businesses of all sizes are realizing great benefits from virtualizing their servers. Saving money is an easy decision, which has made deploying free versions of server virtualization the most popular IT project these days, both for development and testing and in production. In addition to cost savings, virtualization also offers great flexibility and availability benefits, which help IT managers maintain service levels for their business managers. These features, however, have not always been affordably priced in such a way that small businesses could use them in production.

Server virtualization also presents a new challenge for small businesses specific to storage. Shared infrastructure is required to connect all resources and enable motion and mobility of applications. Without shared storage, IT managers cannot move VMs within and between physical servers and thus cannot use the power of virtualization to automatically move applications in the event of an issue. Historically only larger enterprises could afford the combination of SAN storage and enterprise virtualization software to fully utilize mobility and high availability (HA) features.

The Solution

Affordable SAN and server virtualization solutions designed especially for SMBs. This combination makes for an architecture that enables tremendous flexibility. Business managers get the cost savings they need, while IT managers can move applications as they wish without impacting user access or uptime. This is a lifesaver when it comes to maintenance—move a VM and application, perform maintenance, migrate back—and users never notice. This mobility can also be automated for a true HA solution and maximum uptime.

Citrix XenServer is a virtualization platform that includes all of the critical features needed to implement server virtualization. Scalable for any size business, the low-cost Advanced Edition provides key HA and advanced management tools that take virtual infrastructure to the next level. Advanced Edition is priced at \$1000 and appointed on a per server basis, upgradable via a license key with no additional software or downtime required. With Citrix XenServer Advanced Edition and iSCSI SAN, easy and affordable HA is possible for SMBs and enterprise departments. For more information on XenServer editions, see the comparison table @ <http://www.citrix.com/xenserver/how-it-works/editions>.

Highlights

- iSCSI SAN for maximizing the value of server virtualization with Citrix XenServer
- Gives small enterprises and departments application High Availability starting under \$10K
- Storage and virtualization (Advanced Edition) designed especially for SMBs
- Flexibility and freedom to move VMs between servers and automate HA
- Easy and affordable storage growth with mix and match of drives
- Citrix Ready certified, on Citrix HCL and supported for use with XenServer

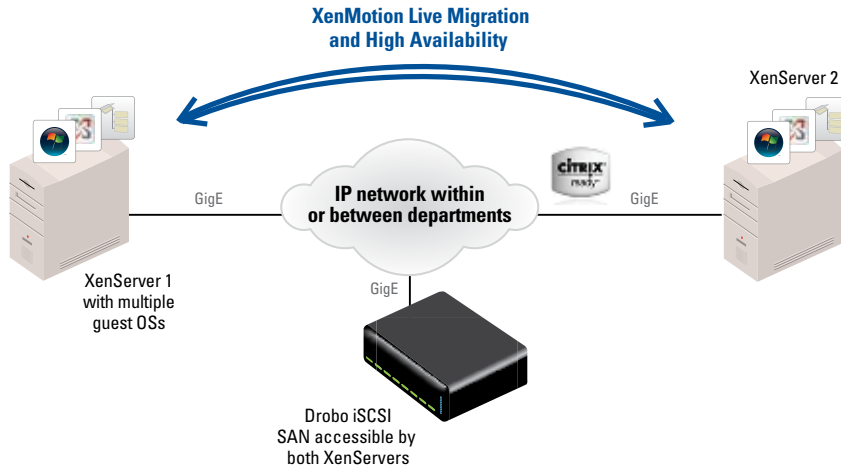


What You Will Need

What You Need	Drobo with Backup Exec 2010	Minimum Config Dedup Appliance
1 x SAN storage, 8 TB with 3-year maintenance	29% savings , aligned with SMB requirements and scale	Nearly \$10K for entry array configuration, up to 16 servers
The Big Difference	> \$3K lower , get software + storage for < \$10K, savings pays for 3 server licenses	Higher cost to scale up storage over time, locked into specific drives

Drobo Solution Summary

Citrix Ready certified solution with servers hosting multiple guest OSs and leveraging the HA capabilities of XenServer Advanced Edition connected to Drobo SAN via iSCSI.



Where Drobo is Different

SAN storage is a must when you need to maximize mobility and availability for XenServer. Fibre Channel SANs have a high entry cost, which prevents companies with smaller environments and budgets from taking full advantage of XenServer. iSCSI can be lower in price, but many iSCSI arrays are still tens of thousands of dollars and expensive by most measures. Vendors claim that iSCSI arrays are easy to use and deploy, but most are built with large enterprises in mind.

Drobo provides sophisticated data protection with BeyondRAID™ technology, in a package that is easy to use and affordable. Without the cost burden of storage built in, customers can experience the significant benefit of live migration between servers at a price they can afford. Applications for data protection can combine with this foundation solution for even higher levels of availability and recovery. Drobo means that there is one less barrier keeping you from reaching an enlightened Zen state of high availability for your applications with Citrix XenServer Advanced Edition.

More Information

Find solution materials, including a webcast replay with expert guest Simon Crosby @ <http://www.drobo.com/resources/DBN-Virtualization-102610.php>

Want to try it? Free 30-day evaluation @ http://info.drobo.com/free_eval

Want to buy it? Ask your preferred reseller, or visit http://www.drobo.com/where_to_buy

How To Build It

How to provide HA in a Citrix XenServer environment in a couple of hours:

1. Install Drobo Dashboard on management server (can be on a VM).
2. If not already done, configure network to enable communication between servers and storage.
3. Deploy iSCSI SAN storage, easy one-click setup with Drobo configure SmartVolumes. Minimum LUN size is 1 TB per SmartVolume with Drobo
4. Recognize storage, finish storage configuration with XenServers and guest OSs.
5. If running Free Edition of XenServer, non-disruptively upgrade to Advanced Edition.
6. Use XenServer Tools to test and trigger XenMotion® and configure HA for automated failover. Support provided for Linux VMs that utilize paravirtualized (PV) drivers/kernel.

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