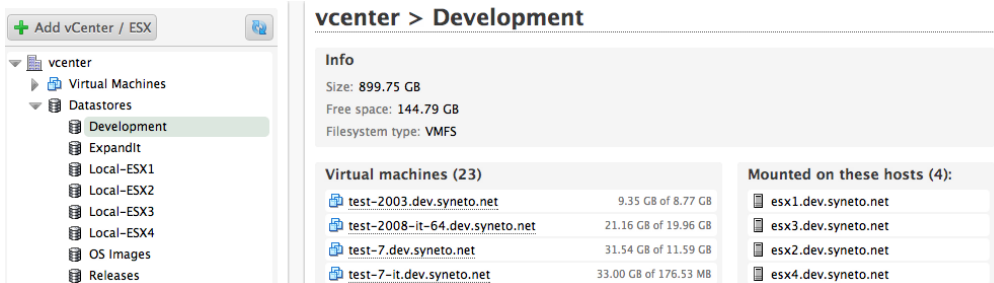# Unified Storage for VMware

rethink your virtual assets

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VMware has successfully created the best operating system for the cloud, vSphere. It simplifies your datacenter into an efficient cloud computing infrastructure. Syneto Storage is the ideal complement for VMware by provisioning storage with the ZFS filesystem, giving you significant resource savings and lower TCO.

Highlights

- Unlimited VM Backups
- Carefree VM Recovery
- Automated Management
- Easily scalable to any size
- Fast Resource provisioning
- Space Efficiency
- Lower TCO

As brilliant and innovative as vShepere is, the cloud operating system is still lacking some very important Disaster Recovery, Business Continuity and Resource Efficiency features. This is where Syneto Storage shows its true value:

Backups

vSphere features native Snapshot capabilities, but with a huge drawback: VMware Snapshots incrementally occupy more space. For example a VM with 40 Gbytes can easily grow to over 1 TB over time.
Syneto Storage uses the copy-on-write ZFS to enable an unlimited amount of snapshots for hosted Virtual Machines with no space overhead. Backups are later consolidated on the storage and deleted from the VMware server, using little space and allowing very fast recovery.

Recovery

VMware snapshots take more and more space. Consider this: at some point in the future you wish to recover a native vSphere snapshot which has grown to 1 TB. This will take hours to achieve as VMware snapshots need to replay every action untill it gets to the point in time you wish to recover.
With Syneto Storage, ZFS enables unlimited snapshots of the Virtual Machines that occupy virtually no space. Syneto Backups can be recovered in minutes, rather then hours or days.

Automated Data Management

Syneto Storage completely removes time-consuming operations like backups and data recoveries. Backups (Snapshots) and their consolidation can be scheduled and the entire process works automatically, at the time intervals you specified.

Read/Write Cache

Syneto Storage further speeds up virtual machines with by enabling the utilizations of SSD drives to create a much faster cache layer. This feature is ideal for VMware VMs by acting as a buffer for heavy reads like antivirus scans and multiple bootings as well as heavy writes like application updates and patches.

Storage Efficiency

Syneto Storage is also the perfect mate for VMware because it uses less space resources with advanced features like Deduplication and Thin Provisioning. These technologies will give you space savings of up to 50 %.