

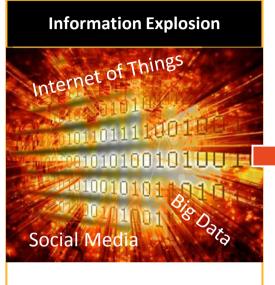
What's new in NetBackup 7.6?

Roberto Dellavedova

Product Specialist Information Management

What's new in NetBackup 7.6?

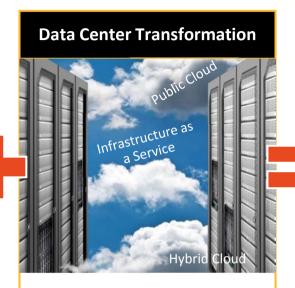
Key Trends: Pain Points in Data Protection



30x More Data in 2020

61.8% Unstructured Data Growth in 2014

60% Storage Space was from Copy Data in 2012



Hybrid Data Center is the future

Software Defined Anything

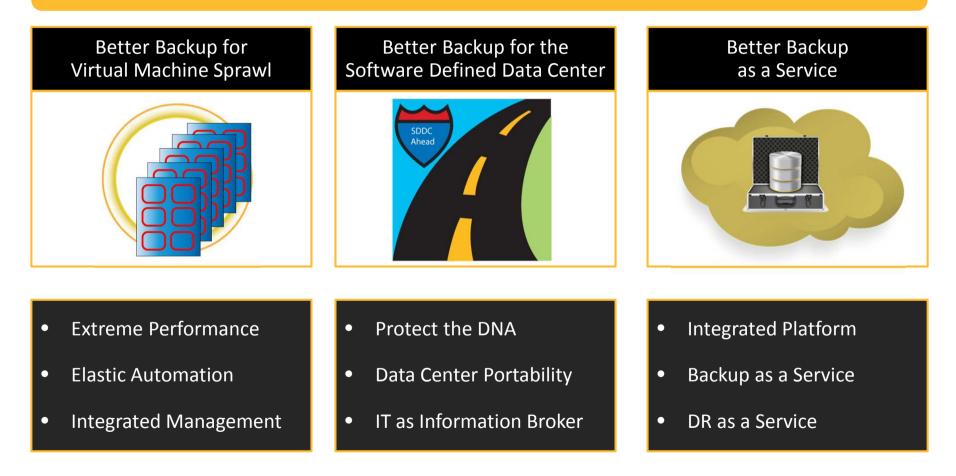
63% of Workloads in Cloud by 2017 Changing Risk Landscape

Ownership? Control ? Compliance? Privacy?

Symantec.

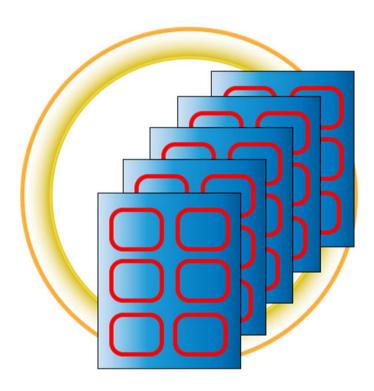
NetBackup 7.6

Better Backup for a Virtual World





BETTER BACKUP FOR VIRTUAL MACHINE SPRAWL



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Ability to meet backup windows Accelerator for VMware







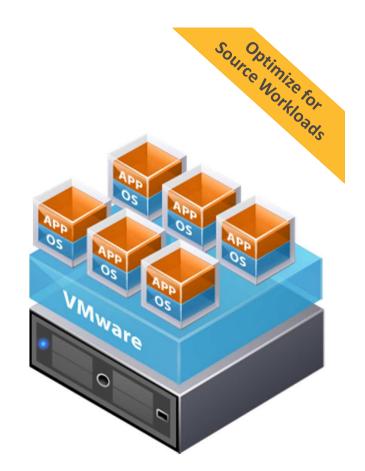
WHAT IT DOES:

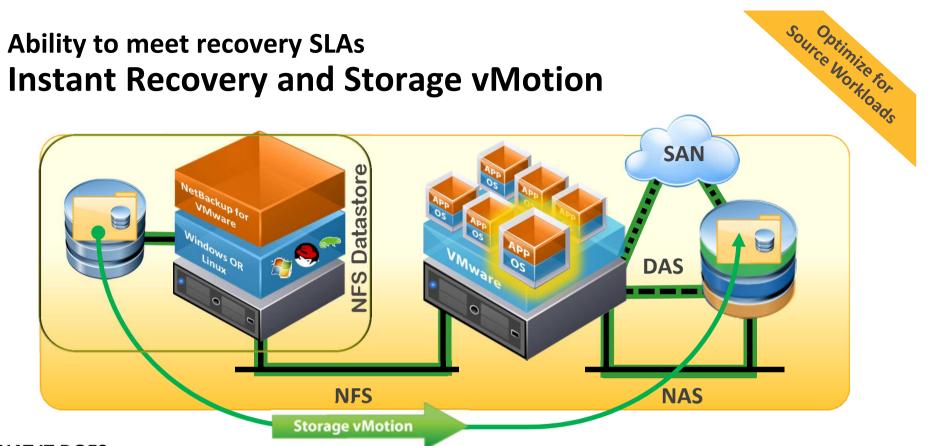
- Leverages VMware CBT (Changed block tracking)
- Backs up only changed data, then deduplicates that data
- Takes the changes and synthetically recreates a full back image

- Less processing overhead required to read just changed blocks of data
- Backing up less equals faster backup
- Full backup recoverability, impact of an incremental backup









WHAT IT DOES:

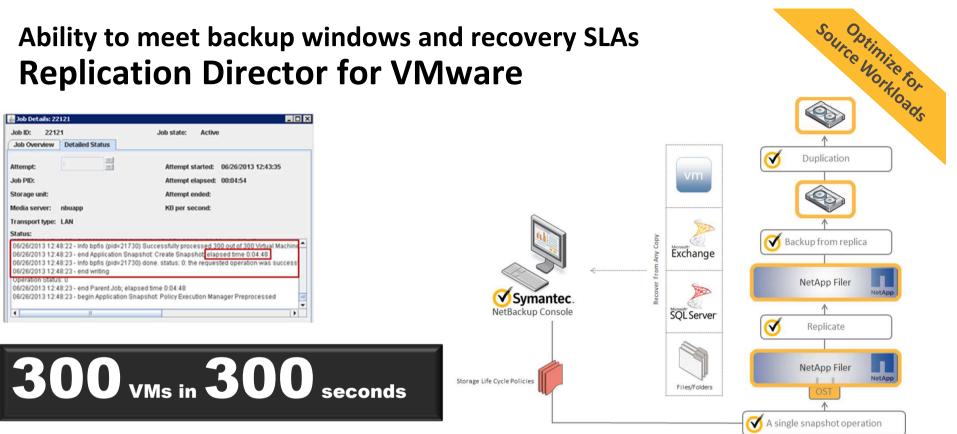
- Powers on the virtual machine from backup storage
- Makes the VM visible in vCenter as soon as it's powered on
- Leverages vMotion to move the VM back to production storage

- No more waiting for the restore to occur before access to the VM can be realized
- VM Admin can see and manage the VM just as before
- vMotion moves the VM without disrupting access





Ability to meet backup windows and recovery SLAs **Replication Director for VMware**

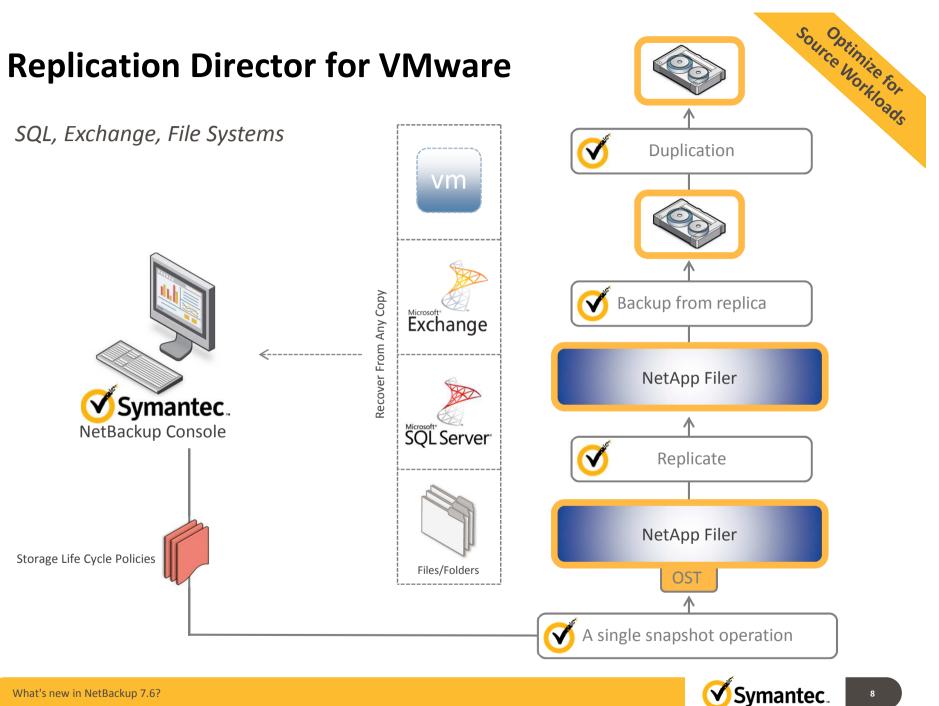


WHAT IT DOFS:

- Manages 3rd party array-based snapshots and replication from within NetBackup
- Catalogs snapshot images to provide granular restore capabilities for files, folders, and applications on VMware

- Speed of snapshots, recoverability of NetBackup
- Very low impact on ESXi resources since snapshots happening at storage layer
- One solution to manage every snapshot and replication operation





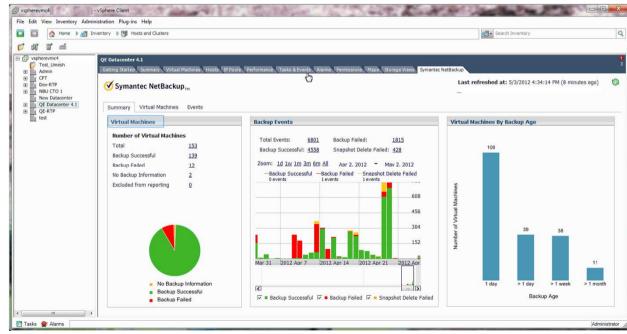
What's new in NetBackup 7.6?

Semplified Backup Monitoring and recovery of VMs NetBackup plug-in for vCenter

WHAT IT DOES:

The vCenter plugin provides a management interface available to VM Admins

- Allows self-service restore
- Provides backup reporting
 - Most recent backup
 - Backup timeline
 - Success/failure



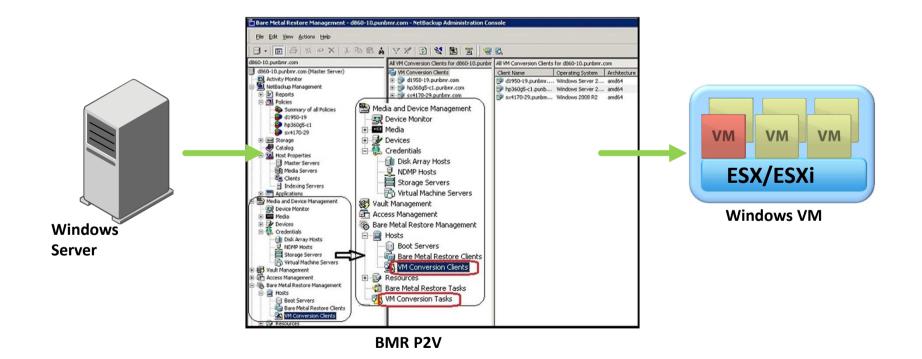




Semplified Server Recovery Physical to virtual recovery with Bare Metal Restore

- Windows P2V integrated in the BMR console
- Combines BMR Windows backup + VM Recovery Wizard
- Eliminates VM network boot for P2V recovery

What's new in NetBackup 7.6?



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BETTER BACKUP FOR THE **SOFTWARE-**DEFINED DATA **CENTER**



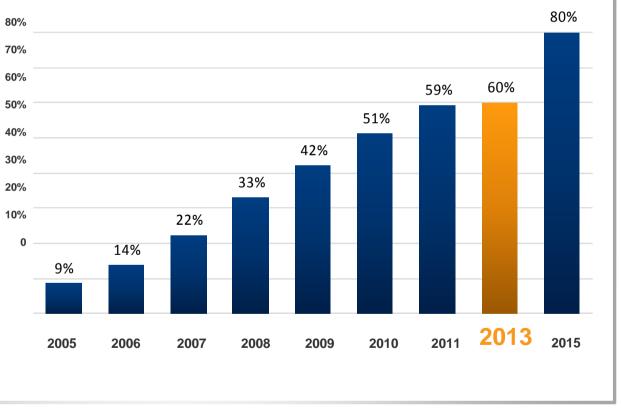
What's new in NetBackup 7.6?



Virtual Reality



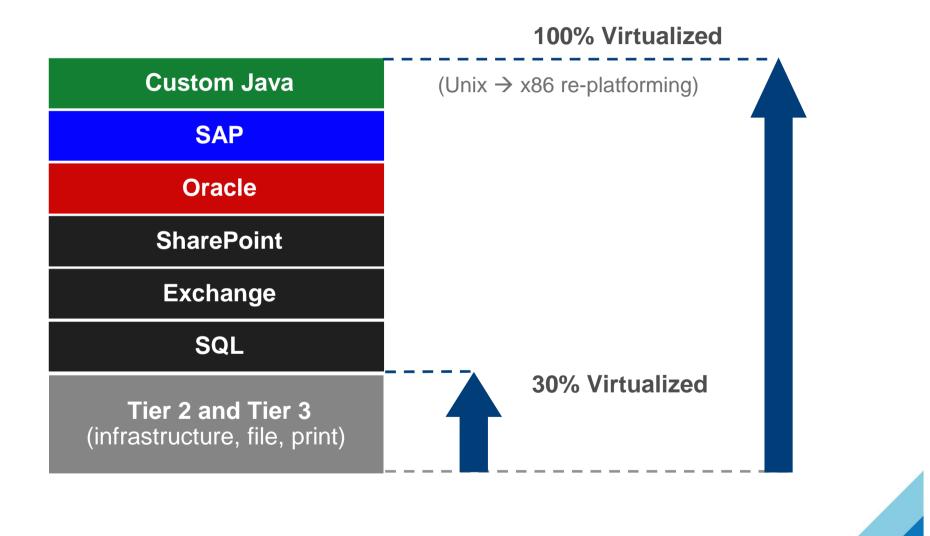
% workloads on virtualized infrastructure



Source: Gartner "Magic Quadrant for x86 Server Virtualization Infrastructure" by Thomas J. Bittman, George J. Weiss, Mark A. Margevicius, Philip Dawson, June 11, 2012



Business Critical Apps are now virtualized



vmware[®]

What if...



The same principles that transformed a single layer of the data center...

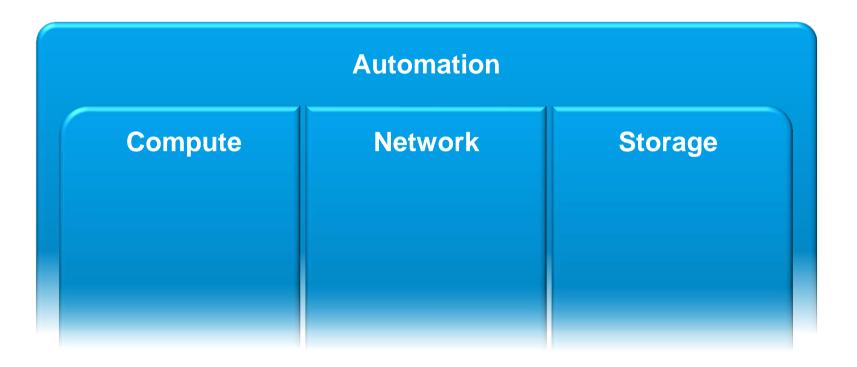
Abstract. Pool. Automate.

were applied to the entire data center?



VMware's SDDC Architecture

Software-Defined Data Center



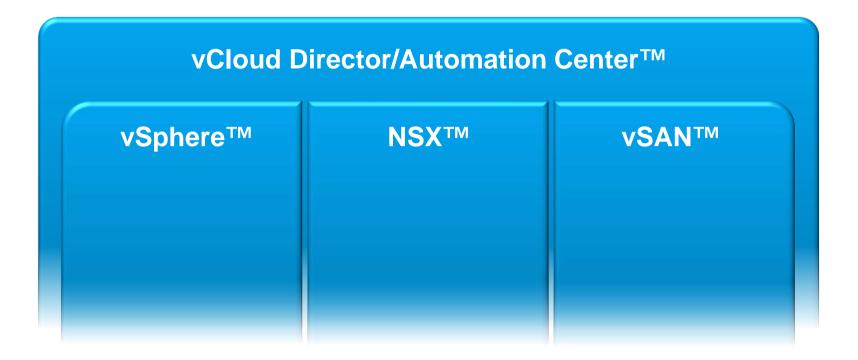
Abstract. Pool. Automate.



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VMware's SDDC Components

Software-Defined Data Center



Abstract. Pool. Automate.



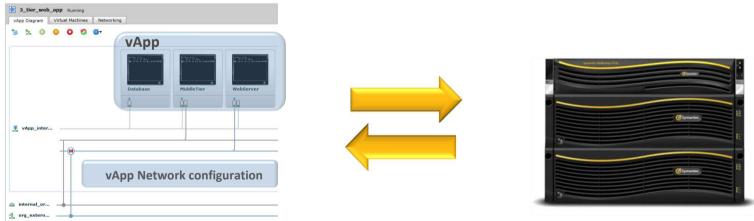
vmware[®]

Ability to protect the Software Defined Data Center NetBackup for vCloud Director

WHAT IT DOES:

- Automatically protects newly provisioned VMs (vApps)
- Restores configuration or metadata which includes networking and storage layers in addition to the VMs

- Completely scalable protection for the Software Defined Data Center
- Direct integration with vCloud Director Backup API ensures successful vApp restores
- Datacenter portability by recovering to another vCloud









The vCloud Director integration in NetBackup 7.6 release is being stress tested in

ONE OF THE LARGEST CLOUD DEPLOYMENTS IN THE WORLD



Symantec's Software-Defined Data Center Powered by VMware vCloud Suite

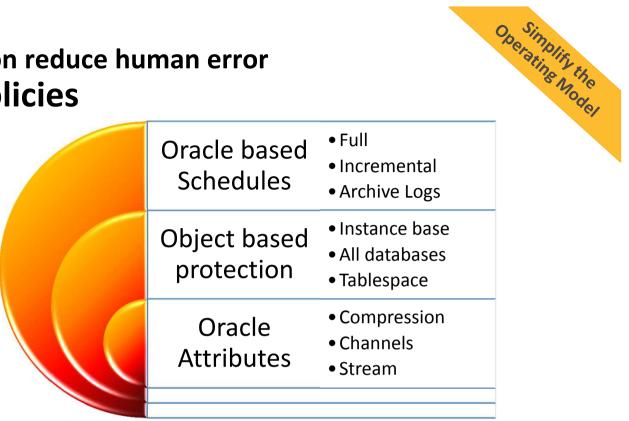
35,000 VIRTUAL MACHINES 13,000 OF WHICH ARE RUNNING AT ANY GIVEN TIME...



What else...



Decrease Time to provision reduce human error Oracle Intelligent Policies



WHAT IT DOES:

- Discovers new Oracle instances and deploys backup policies to them
- Automatically generates scripts without use of RMAN
- Allows for scheduling of tasks (i.e. when to backup the DB, archive logs, etc.)

THE BENEFIT:

- Automated protection means less manual overhead to manage/protect Oracle
- Semplify Oracle backup management

What's new in NetBackup 7.6?



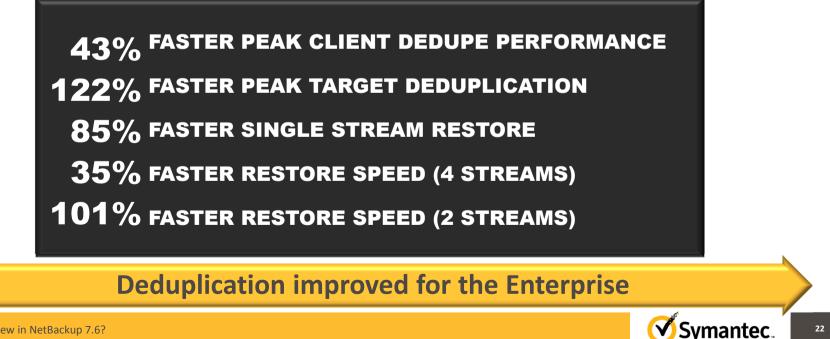
NetBackup Deduplication Improvements

WHAT'S INCLUDED:

- Self-healing architecture
- **Better housekeeping abilities**
- **Performance Improvements**

THE BENEFIT:

Faster, more resource-efficient, and more reliable deduplication performance



New NetBackup Appliance N5230 – 14TB configuration

4TB or 14TB 28/38/40/50 TB 52/62/76/86 TB



Five I/O Configurations

4 1GB ETH - 2 10GB ETH

4 1GB ETH - 2 10GB ETH - 2 8GB FC

4 1GB ETH - 4 10GB ETH - 2 8GB FC

4 1GB ETH - 4 10GB ETH - 8 8GB FC

4 1GB ETH - 2 10GB ETH - 10 8GB FC



BETTER BACKUP AS A SERVICE

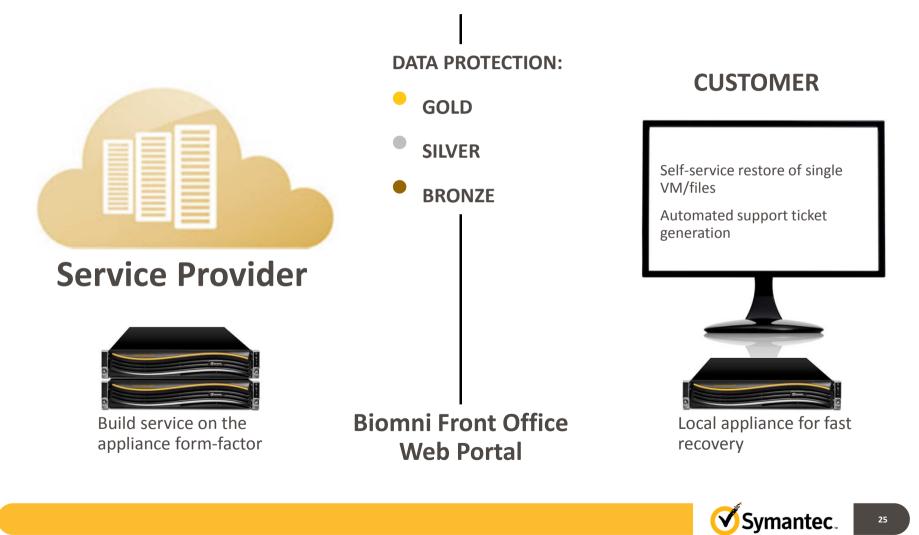


What's new in NetBackup 7.6?



Better Backup as a Service NetBackup and Biomni Integration





DEMO



Accelerator for VMware



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	Symantec.

VMware Instant Recovery



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Biomni Integration



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