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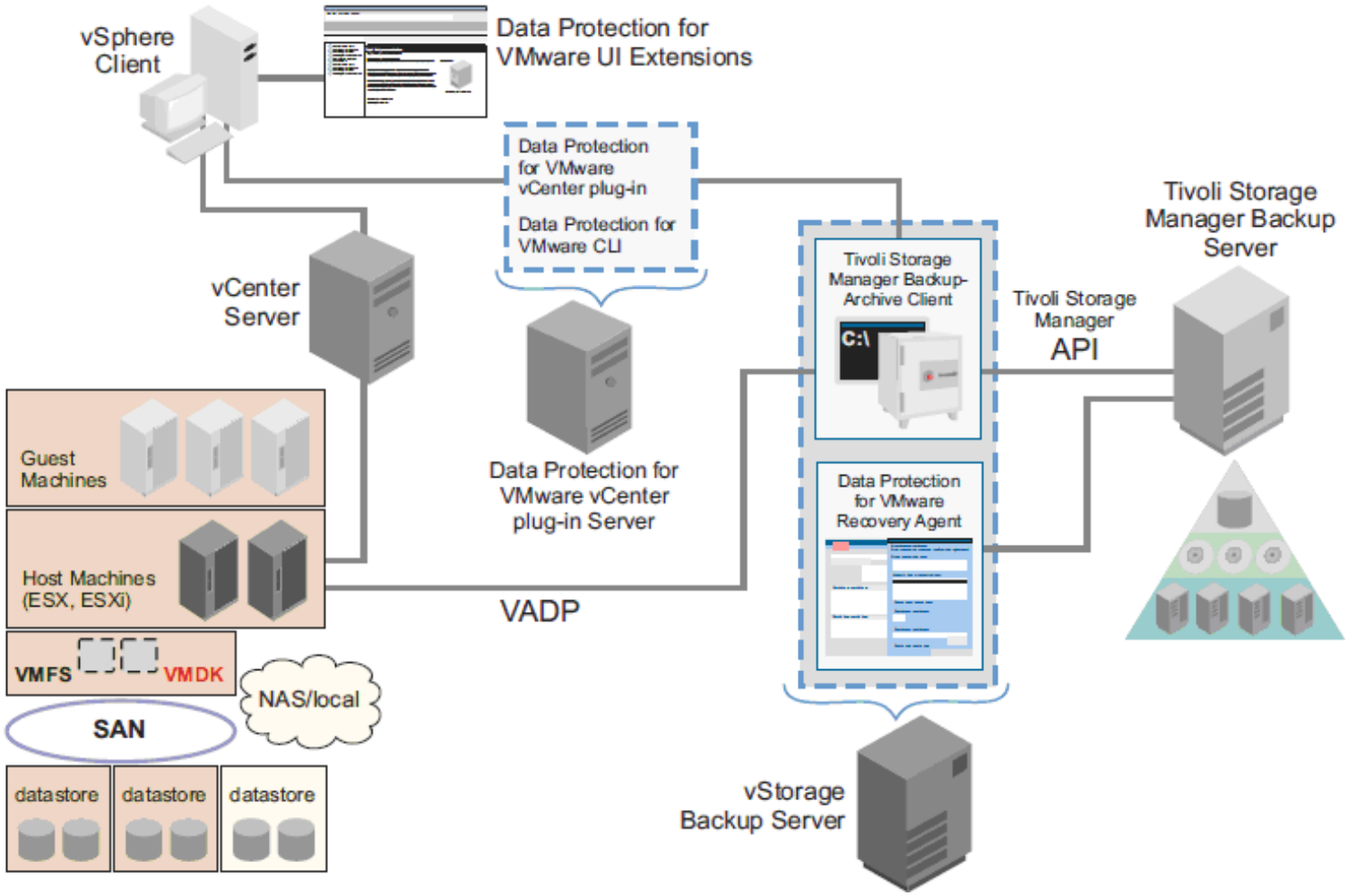
Workshop Überblick Vmware ESX 5.x Sicherung mit TSM, qSkills - Nürnberg
March 15th, 2013

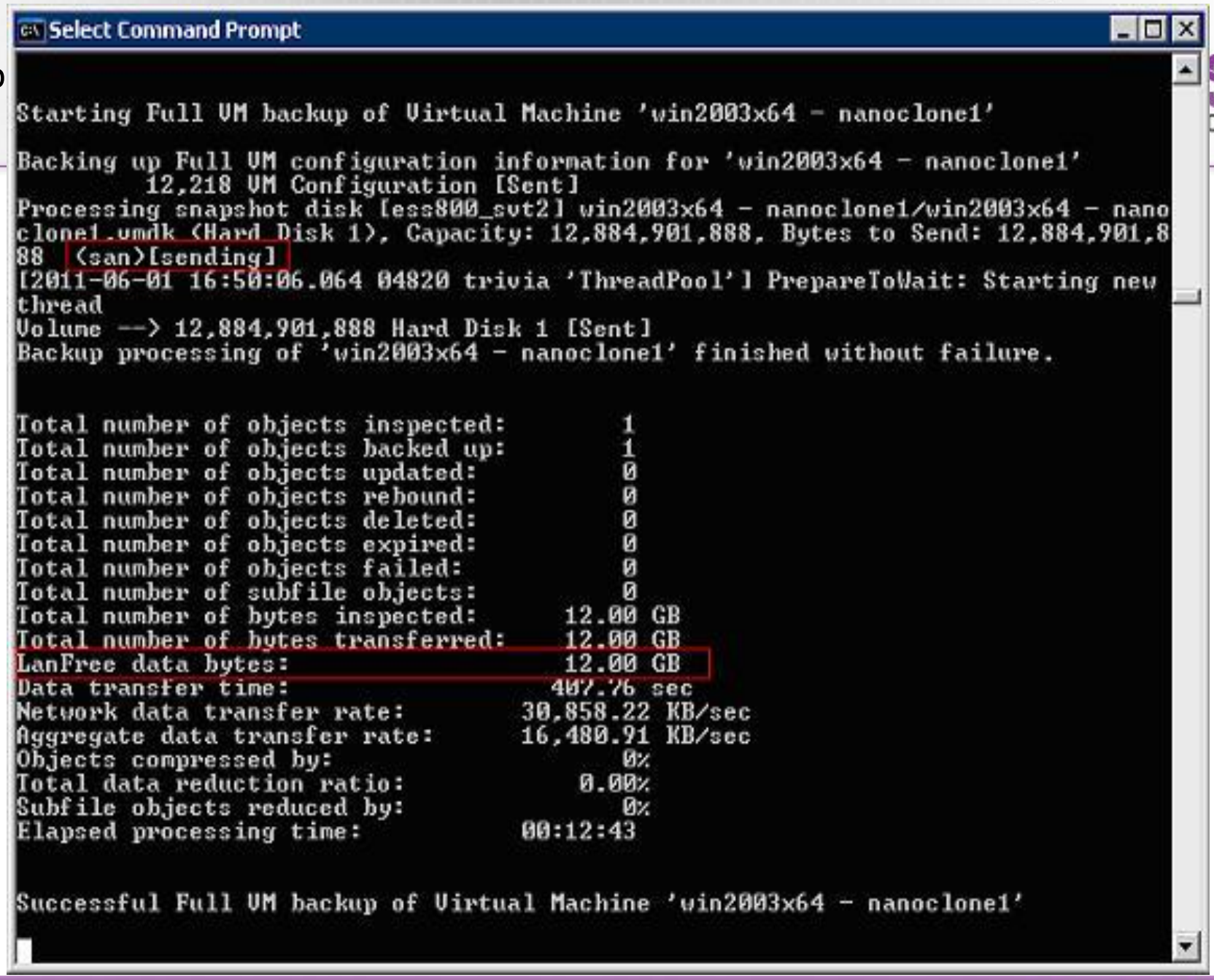
Tivoli Storage Manager for Virtual Environments v6.4

Lessons learned during implementation

IBM's overview TSM4VE



Simp



LAN-free considerations

During backup:

•SAN transport is usually faster than over-the-network backup;

•For array-based storage, SAN transport is often the best performing choice for backups when running on a physical proxy.

But during restore:

•SAN transport is not always the best choice for restores;

•It offers the best performance on thick disks, but the worst performance on thin disks, because of round trips through the disk manager APIs, AllocateBlock and ClearLazyZero;

•For thin disk restore, NBDSSL is usually faster, and NBD is even faster;

•Changed Block Tracking (CBT) must be disabled for SAN restores;

•SAN transport does not support writing to redo logs (snapshots or child disks), only to base disks.

Best practices when using advanced transport for backup and restore (1035096)

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1035096

Some considerations

'BACKUP VM':

- DOMAIN.VMFULL=<narrow focus>
- VMMAXP=5
- VMLIMITPERHOST=5
- VMLIMITPERDATASTORE=5
- MAXNUMMP of datamover node > 5

- VMware Templates
- testflag VMBACKUP_CBT_RESET

UUID

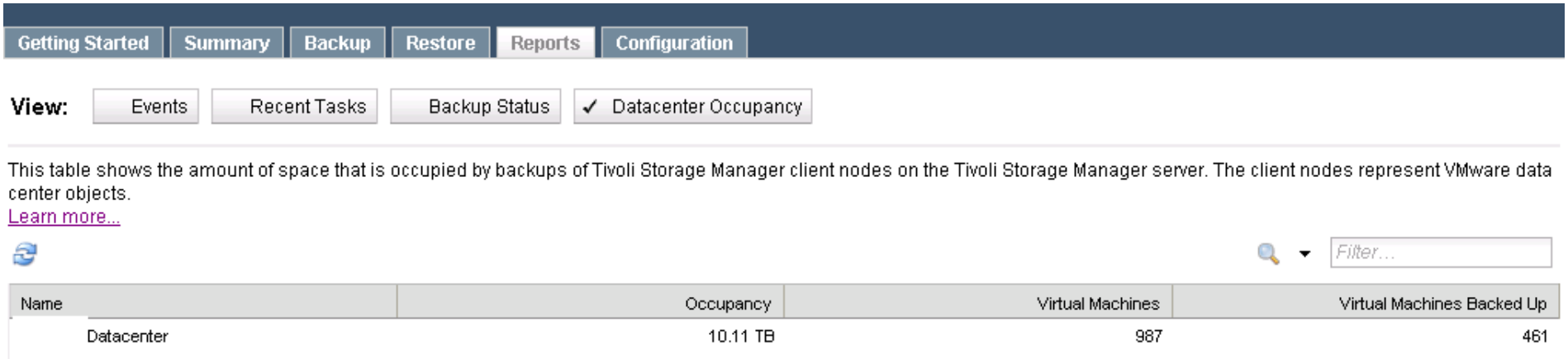
ANS1715E A filespace already exists for VM (VMNAME), but with a different VM uuid (UUID) than the current one (UUID)

- TSM DB is storing the UUID of VM;
- Compares it at every backup.

- Manually edit VMware configuration file (uuid.bios in .vmx file);
- Delete filespace for this VM from TSM;
- Testflag VMBACKUP_UPDATE_UUID;

TSM Queries vCenter for UUID instead of storing it.

vCenter Plug-in Reporting Enhancements - I



vCenter Plug-in Reporting Enhancements - II

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Getting Started | Summary | Backup | Restore | Reports | Configuration

View: Events | Recent Tasks | ✓ Backup Status | Datacenter Occupancy

This table shows the backup status for each VM that is managed in the VMware data center domain.
Learn more...

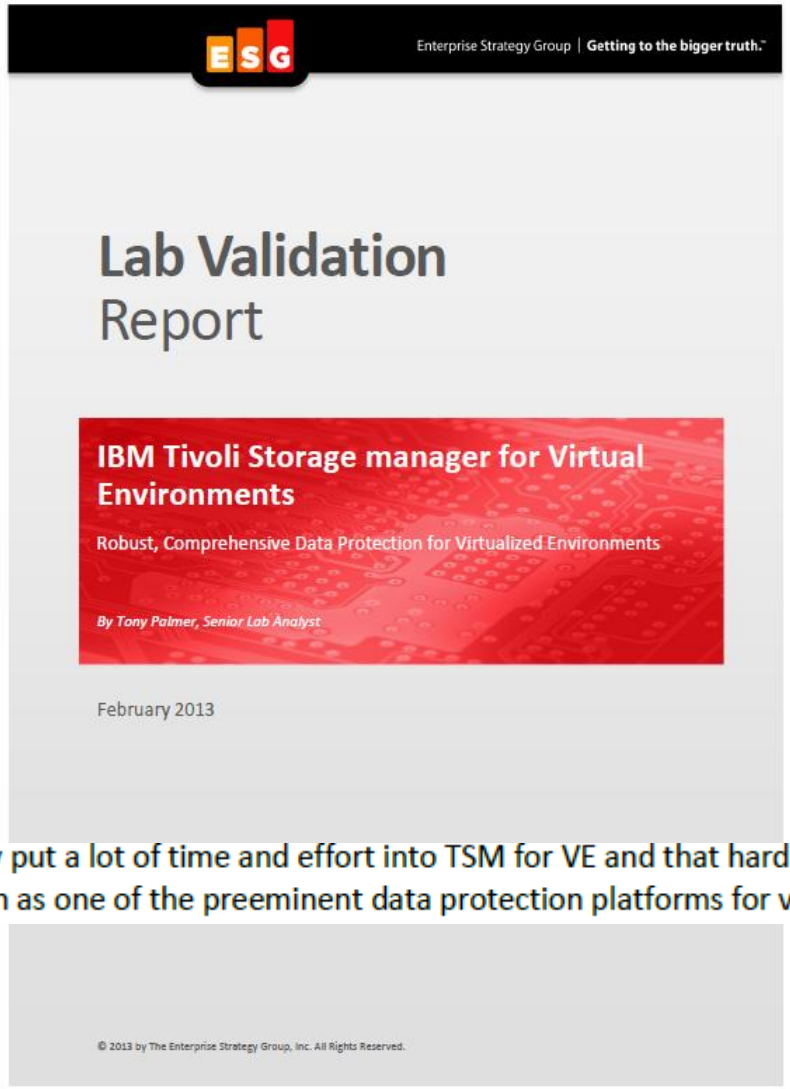
Select a data center:
ARC Lab

Select a report:
Backup status for all VMs

Generate Report

VM Name	Status	Last Backup End	Backup Duration	Backup Currency	Last N
DigcamClean01	Success	November 5, 2012 10:47:00 AM PST	00:13:52	4d 03:52:01	
DigcamClean02	Aged	October 24, 2012 10:16:36 PM PDT	00:05:13	15d 16:22:25	
DigcamClean03	Aged	October 24, 2012 10:02:26 PM PDT	00:00:10	15d 16:36:35	
donut1	Aged	October 23, 2012 11:22:48 PM PDT	00:00:49	16d 15:16:13	
donut1_clone	Deleted				
donut1_restore10	No Backup				
donut1_test10_clone	No Backup				
donut1_test11	No Backup				
donut2_clone	Aged	October 23, 2012 10:36:24 PM PDT		16d 16:02:37	
DOS63x32 - host14	Aged	October 24, 2012 10:01:19 PM PDT	00:00:02	15d 16:37:42	
DOSvmtest	Aged	October 25, 2012 6:16:09 AM PDT	00:00:42	15d 08:22:52	
Drift-PC	Aged	October 25, 2012 4:29:35 AM PDT	00:01:47	15d 10:09:26	

ESG Lab Validation Report



IBM has clearly put a lot of time and effort into TSM for VE and that hard work is paying off: IBM has established TSM's position as one of the preeminent data protection platforms for virtualized environments.

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Announced: IBM Tivoli Storage Manager for Virtual Environments (TSM4VE) v6.4

Posted on October 3, 2012

Print PDF Email

Today (October 3rd, 2012) IBM Tivoli Storage Manager (TSM4VE) v6.4 is announced. The software will be GA available for download **November 16, 2012**.

On a historic note: the GA date of TSM4VE v6.2 was November 18, 2011.
The GA date of TSM4VE v6.3 was March 18, 2011.
If a product launches its 3rd version within approx. 18 months, then development is running hot. So what's new in TSM4VE v6.4?

Note that TSM4VE has skipped version v6.1 altogether. This is because the VADP integration is introduced to the VMware Backup Tools part of the TSM B/A Client since v6.2.

ARCHIVES

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- August 2012 (1)
- June 2012 (1)
- May 2012 (5)
- April 2012 (1)
- February 2012 (3)

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