





- Montreal based : 35 Employees
- Worldwide Customers
- Enterprise solutions since 1988
  - Cross-platform file transfer Tandem <=> IBM mainframe
  - Network backup and restore
  - Remote printing & job submission
  - State of the art virtual tape controllers
- Focus: "Tandem-to-Other" Integration
- Development Partner with IBM, HP, EMC<sup>2</sup>



# **European Customers**



































**W** GAD





























IT für Banken







## HP DISCOVER 2011 LAS VEGAS

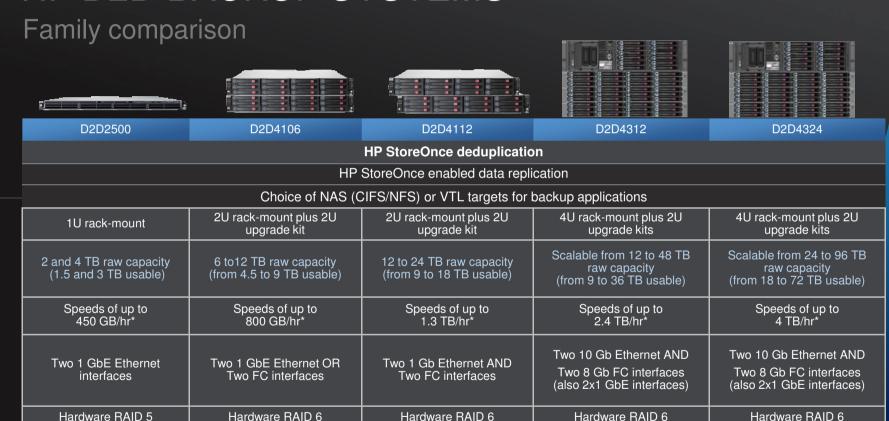
StoreOnce D2D is the HP backup product profiled as central to implementing the Converged Infrastructure Strategy.

Dave Donatelli, HP EVP and GM Enterprise Servers, Storage and Networking during his keynote presentation on the HP Converged Infrastructure.





### HP D2D BACKUP SYSTEMS



## THE KEY BENEFITS OF DATA DEDUPLICATION

(1)

Keep more data on disk - typically 20x more backup data

- Longer retention of backup data on less disk
- Improves service levels access to data available on disk longer for faster response
- More efficient storage utilization reduces cost

(2)

Network efficient replication

- Cuts the costs of data transmission through lower bandwidth lines
- Makes remote backup and disaster recovery more
- Reduces the overhead required at remotes sites

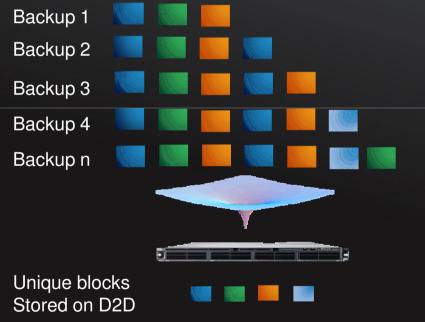




#### DEDUPLICATION: WHAT IS IT?

HP StoreOnce cleverly eliminates duplicate data to reduce the amount of backup data to be stored on disk by typically up to 20x

- Compares blocks of data against previously stored data
- A pointer is established if duplication found
- For normal business data sets, a deduplication ratio of 20:1 might be expected after a period of > 3 months
- HP D2D Backup Systems allow unique data to be compressed following deduplication and prior to storing to disk





# DATA REPLICATION THAT IS NETWORK EFFICIENT

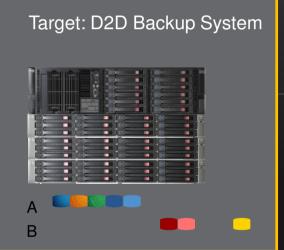
SITE A

1. Backup to D2D
Source: D2D
Backup System1

 Replication of changed data blocks between backup A and B

WAN Link

SITE B







## DEDUPLICATION SPEEDS REPLICATION

1st Full

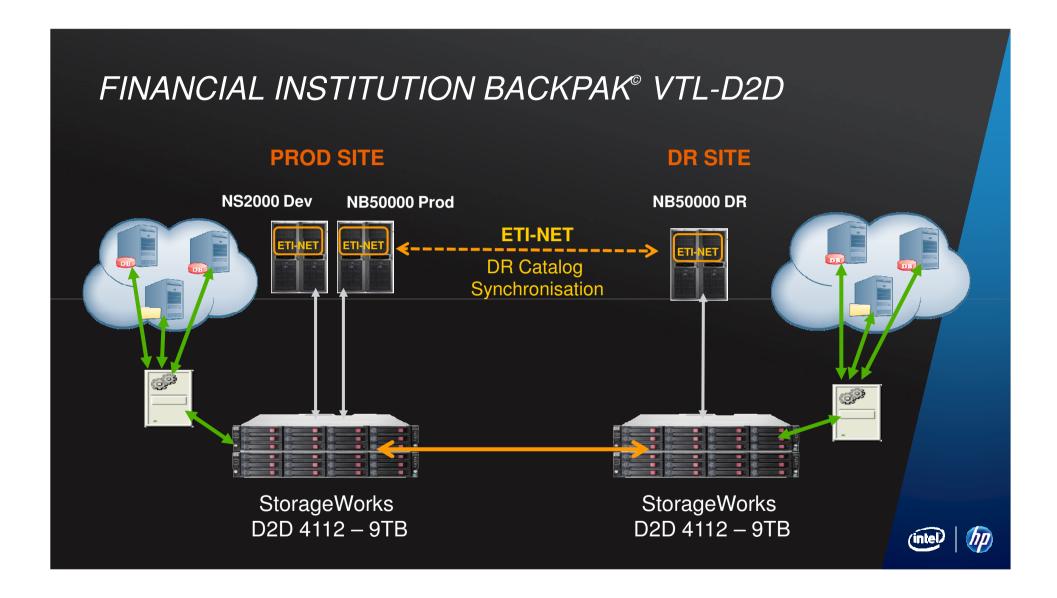
2.2 TB	compressed	1.46 TB	T1	96 Days 6 Hours 25 Minutes 49.1 Seconds
	(1.5X)		T3	3 Days 7 Hours 44 Minutes 28.49 Seconds
			100 Mbps	1 Day 11 Hours 40 Minutes 22.96 Seconds
			1 Gpbs	3 Hours 34 Minutes 2.3 Seconds

Other full

2.2 TB	compressed	0.3 TB	T1	19 Days 18 Hours 44 Minutes 45.43 Seconds	
	(=0.0)				
	(73X)		T3	16 Hours 23 Minutes 6.68 Seconds	
			100 Mbps	7 Hours 19 Minutes 48.28 Seconds	
			1 Gpbs	43 Minutes 58.83 Seconds	







## ETI-NET BACKPAK® VTL-D2D-NONSTOP

On-Line Dump	DB Size	Compression Rate	Disk Space Used
First run	1.55TB	3.3:1	468GB
Second run	1.6TB	102:1	15.6GB
Third run	1.6TB	102:1	15.6GB
Fourth run	1.6TB	102:1	15.6GB
Fifth run	1.6TB	102:1	15.6GB
Average	7.95TB	15:1	530.3GB
Average – 10 runs	15.95TB	26:1	608.4GB







# INSTALLED BACKBOX CUSTOMERS BASE INCREASING ALL THE TIME

As of August 2011 we had 185 SCSI port installed 367 FC port installed and counting In about 85+ data centers worldwide

Your are not alone!



### **NEW WITH 3.12 - ENCRYPTION**

Volume Level Encryption Option for BackBox Allows encryption of virtual tapes on systems supporting HP's VLE product.

Takes advantage of FIPS 140-2-certified HP Enterprise Secure Key Manager (ESKM) . NB System only

Next release: Implement Key Management Interchange Protocol (KMIP) standard from OASIS (HP is a member) to implement encryption on any host S, NS and NB



## **ETINET FORUM**

- For info about new releases
- To ask for other user for tips about ETI solutions
- To tell other users about how you are using our solutions
- www.etinetforum.com
- mirko@etinetforum.com



## Tack för din uppmärksamhet även om du bara vill komma härifrån

<u>Dave.Ross@etinet.com</u> <u>Mirko.Buzolitch@etinet.com</u>

