

How it Works

HP NonStop BackBox VTC



VNUG
Sept 9, 2014

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ETI-NET

Agenda

- **ETI-NET – HP Partnership and Product Evolution**
- **HP NonStop BackBox – Product Offerings**
- **How BackBox Works**



ETI-NET – HP Partnership



ETI-NET Company Background

Montreal-Based

Worldwide Customers: 1700+ Licenses

Enterprise Solutions since 1986

- Cross-platform file transfer
NonStop to-from Mainframe
- Network and Disk-based backup solution

Development Partner with HP NED (Since 1986)

ETI-NET is among the three most tenured NonStop Partners

IBM/MVS SNA (1986), IBM/Tivoli (1994), EMC/Data Domain (2006),
HP Storage (2009), HP BackBox (now)



Reseller Partnership with HP

Announced at Technical Boot Camp - November 2013

HP will commercialize BackBox as an HP product

The product name is “HP NonStop BackBox”

The HP BackBox includes the following components:

- NonStop Host Software for NS and NB NonStop
- Windows Controller Software on Proliant Servers

HP BackBox supports all storage types:

- HP StoreOnce Family
- Integration with customer's preferred storage - SAN, NAS, Data Domain, Quantum, etc.
- Internal Controller Storage



HP NonStop BackBox VTC Models



HP NonStop BackBox VTC Small to Medium Model

1U Proliant DL360p Gen8 server

- Supports 2 NonStop systems
- 1 GbE IP to StoreOnce standard (10 GbE optional)



HP NonStop BackBox VTC Large to Enterprise Model

Large to Enterprise Model

2U Proliant DL380p Gen8 server

- Supports 4 NonStop systems standard (scales up to 16)
- 10 GbE IP to StoreOnce standard



HP NonStop BackBox VTC Internal Storage Model

Internal Storage Model

2U Proliant DL380e Gen8 server

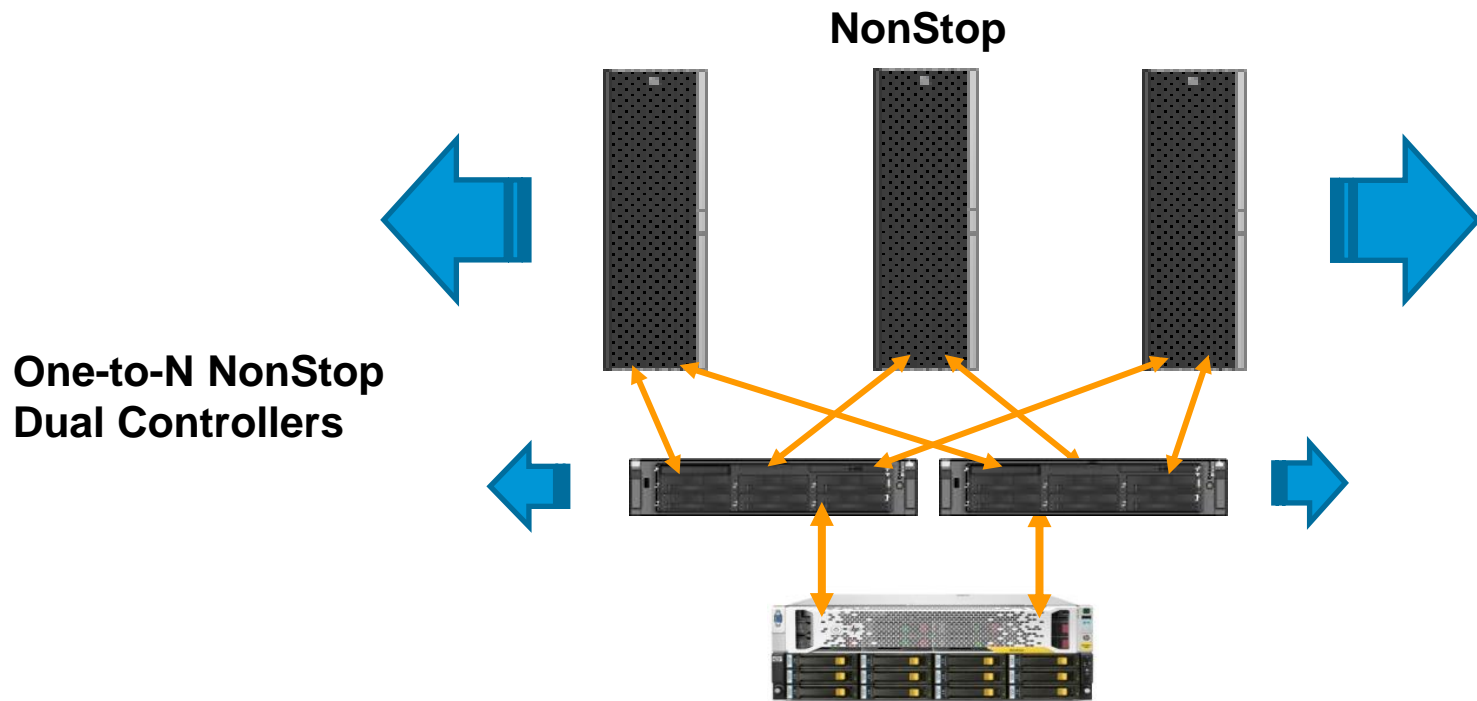
- Supports 2 NonStop systems standard (scales up to 4)
- Internal RAID 6 disk storage: 10.8TB, 19.5TB or 27.3TB usable



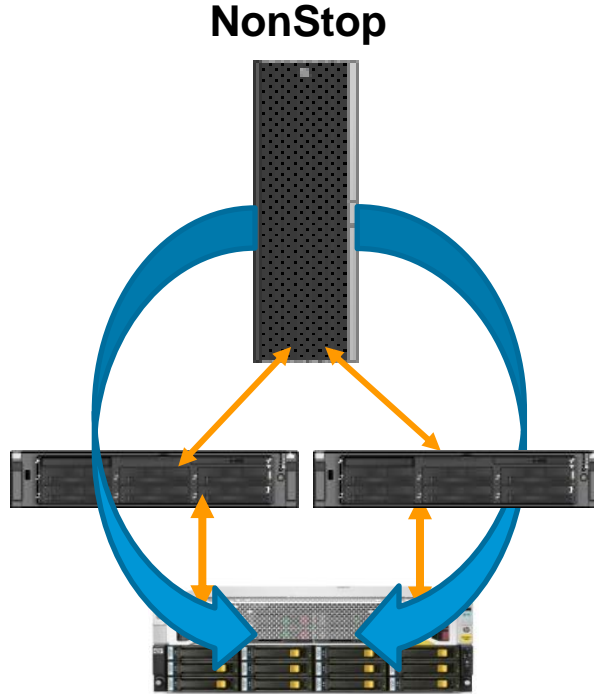
HP NonStop BackBox Solution Overview



Common Solution for Small to Large configuration



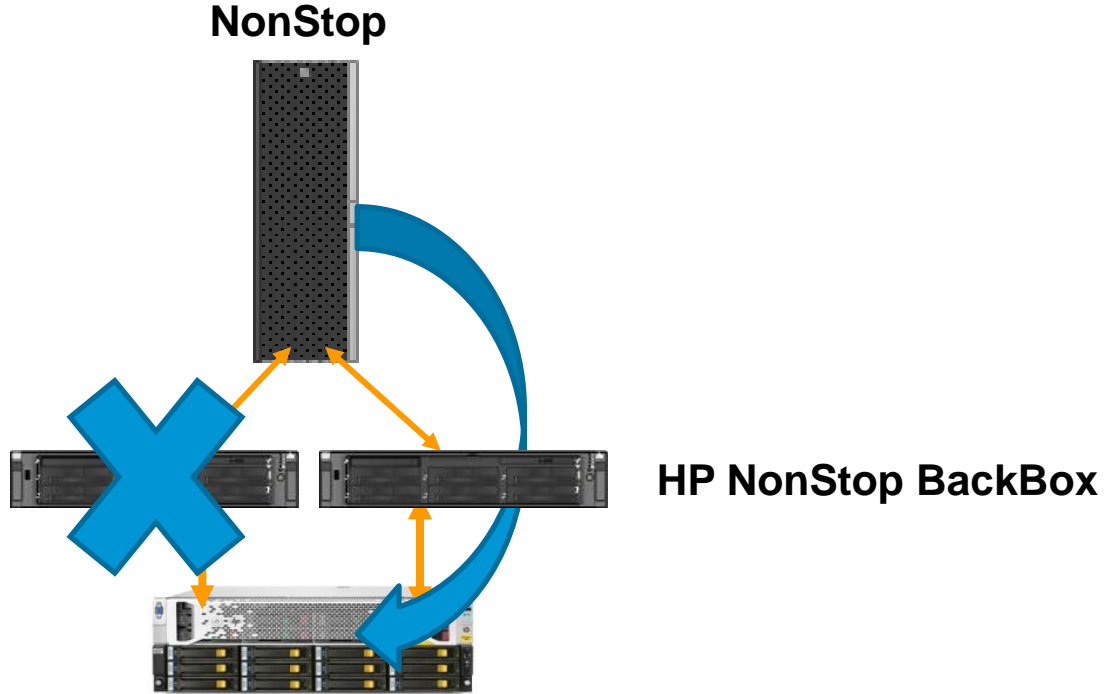
Parallelism = High Performance



HP NonStop BackBox



Fault-Tolerant without complexity



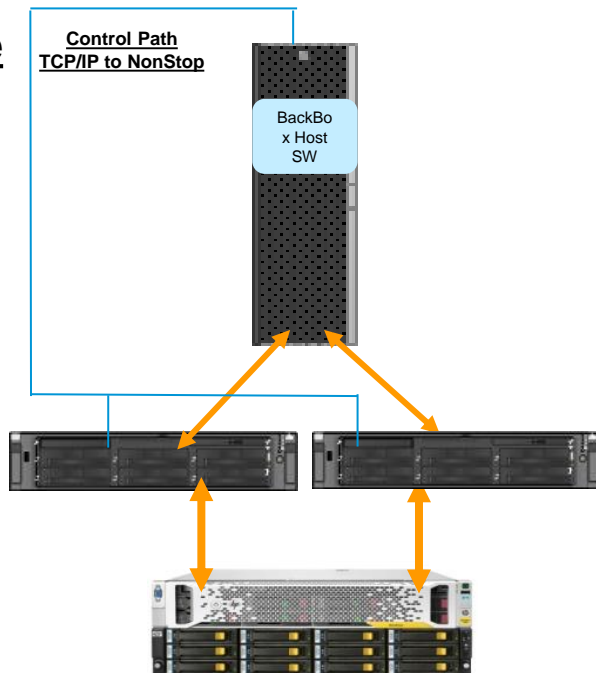
Host-Based Control

with Context-Free Controllers

BackBox Host Software

- Domain Manager
- Event Extractor
- Metadata Catalog

NonStop



Native NonStop Tools

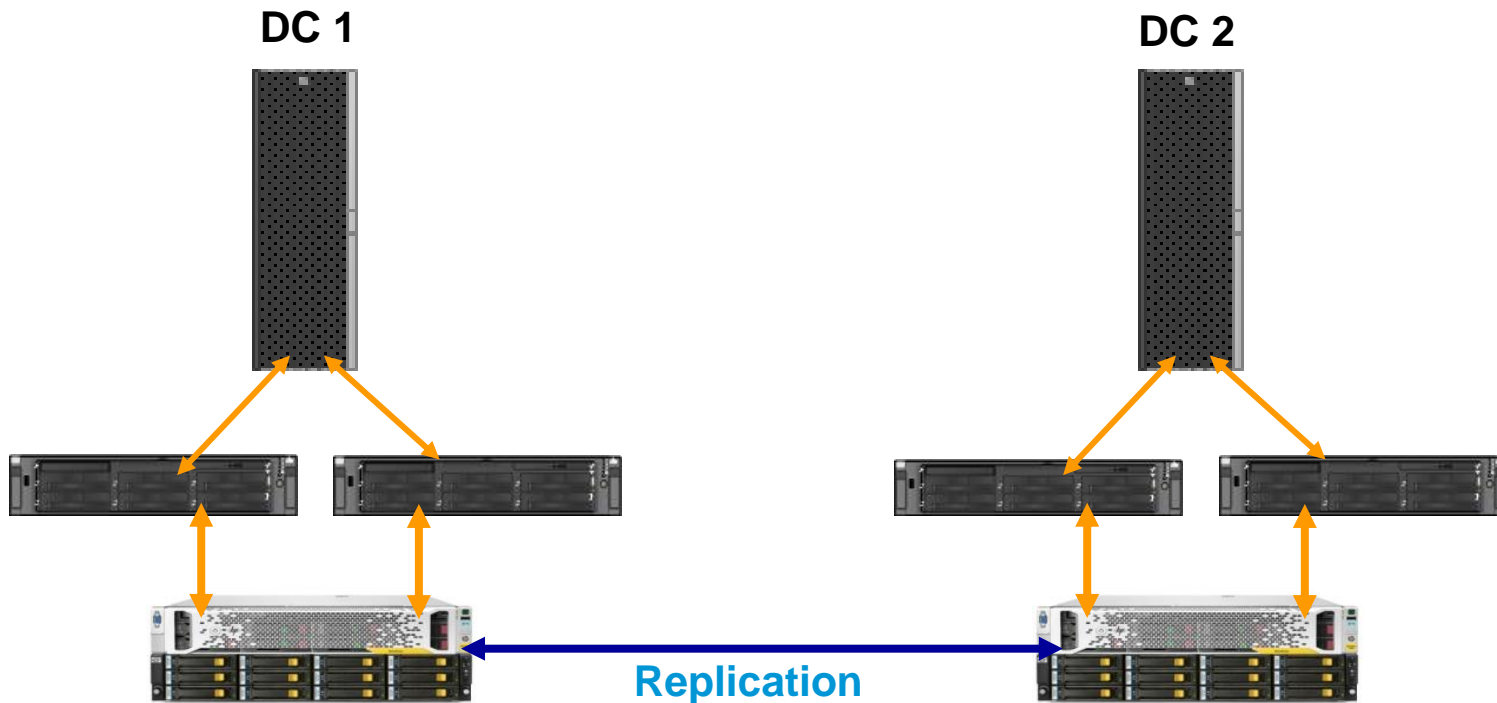
- Mediacom, DSM/TC
- Backup/Restore
- TMFCOM
- BRCOM

HP NonStop BackBox



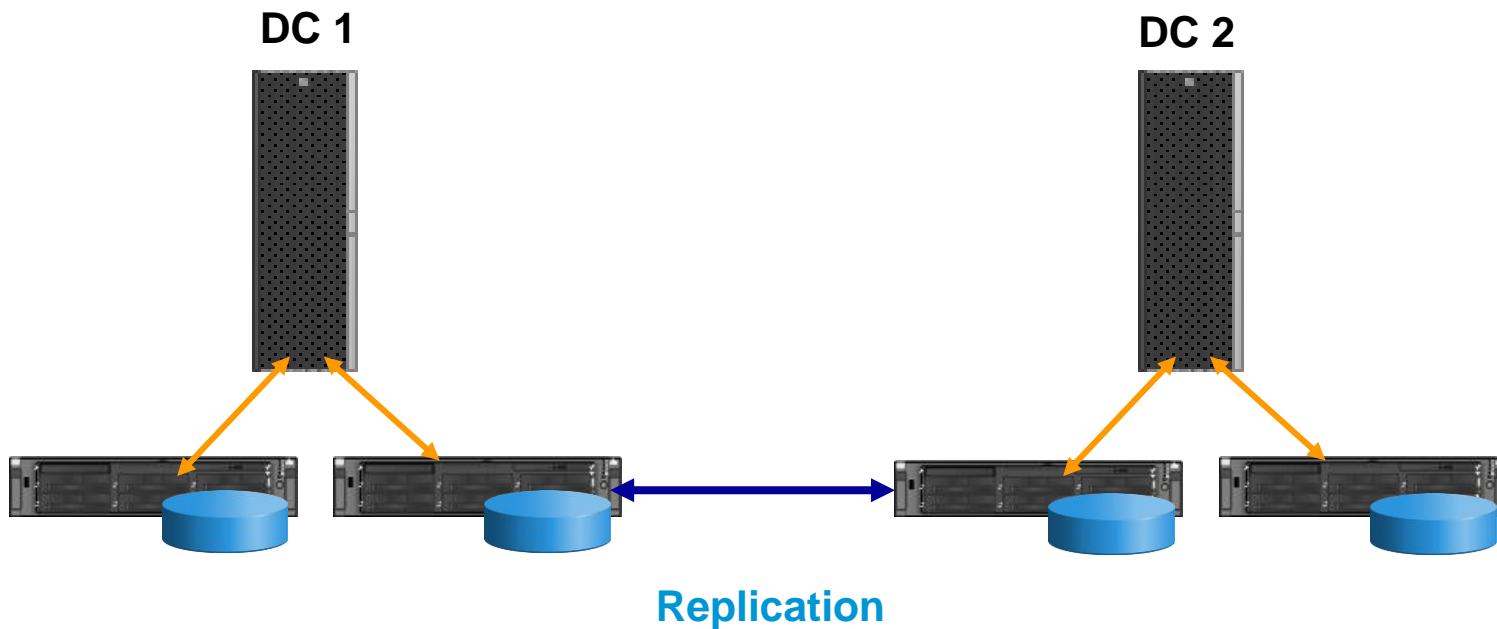
Backup Replication

Automatic between Primary and Secondary Data Stores



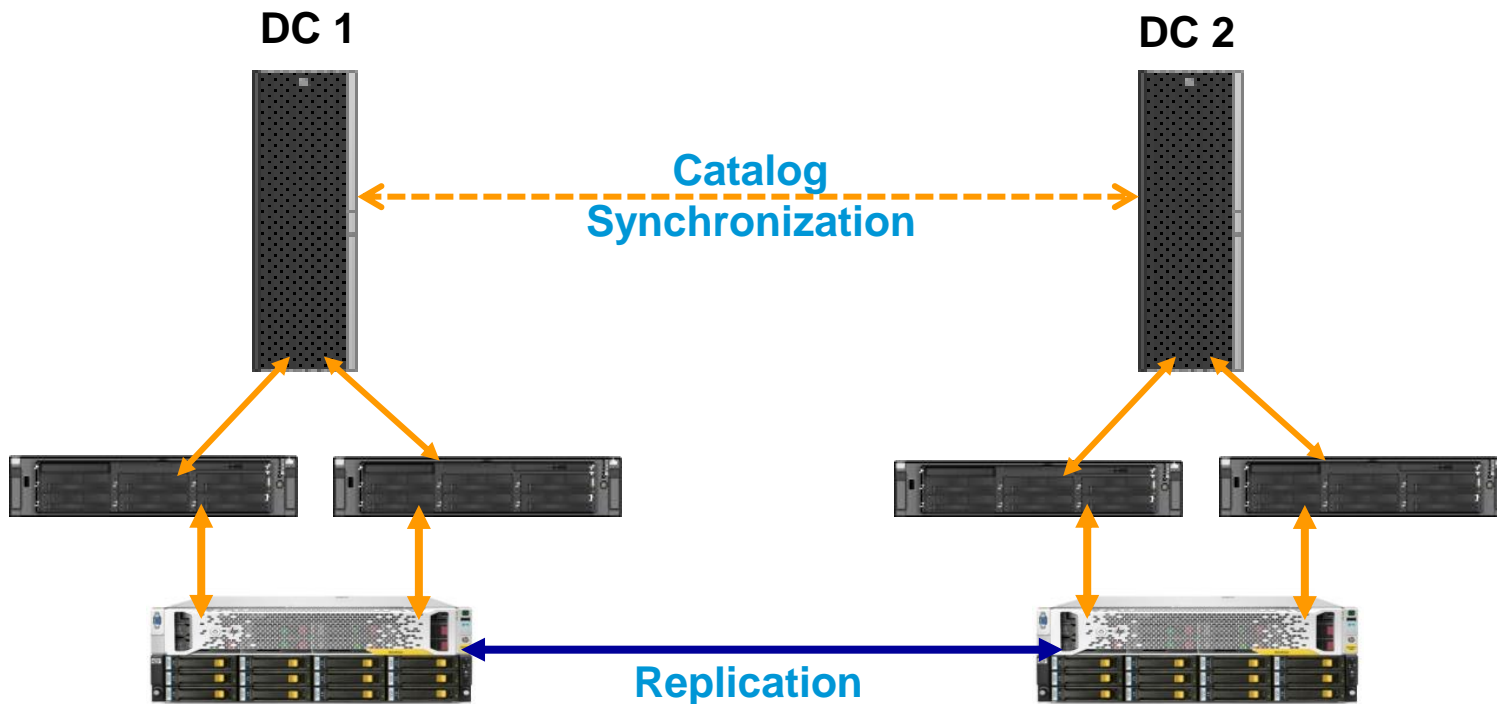
Backup Replication

Automatic between Primary and Secondary Data Stores



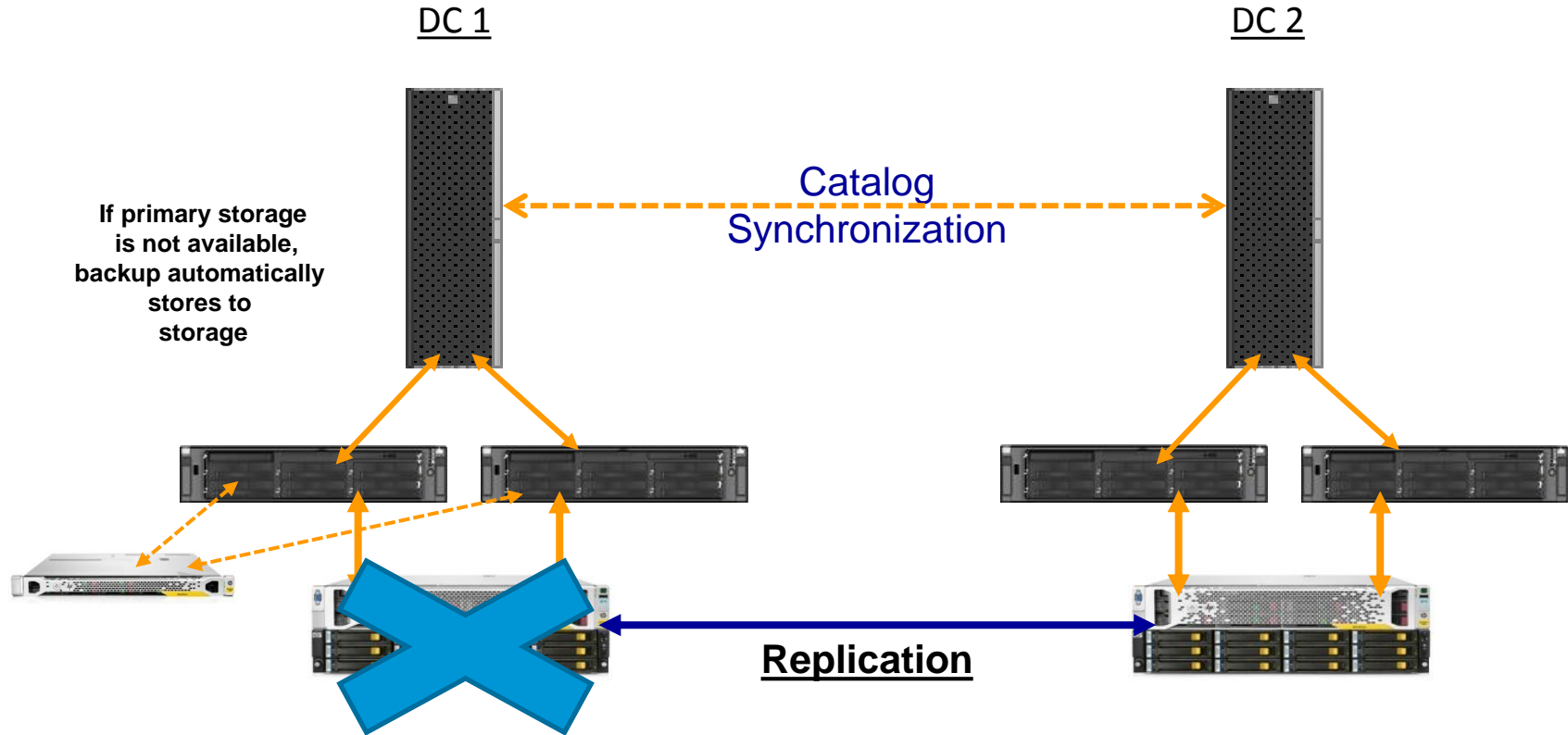
Catalog Synchronization

Automatic between DSM/TC instances



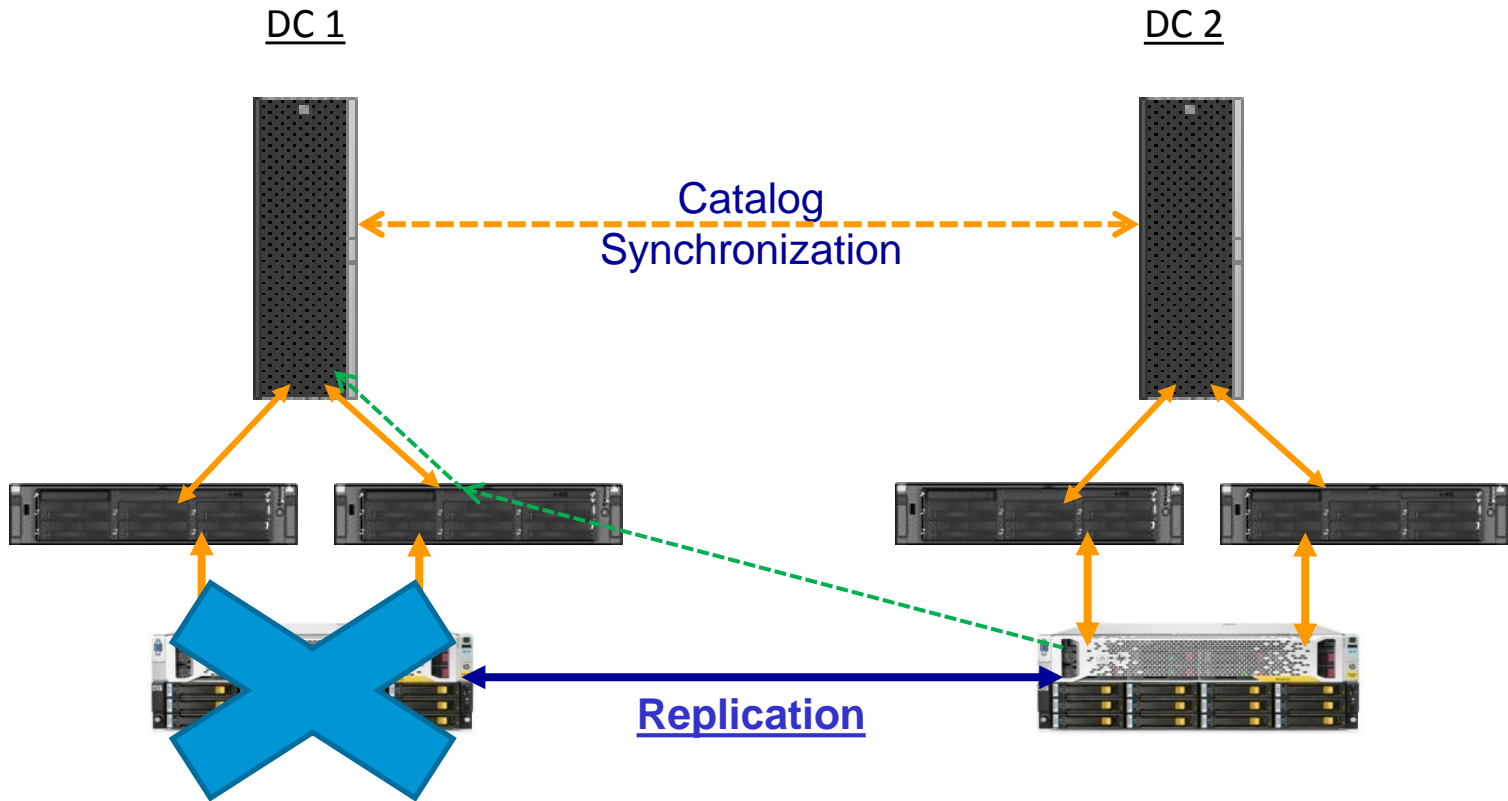
Advanced Data Store

Spare Pool - Stand-in storage when main storage is not available



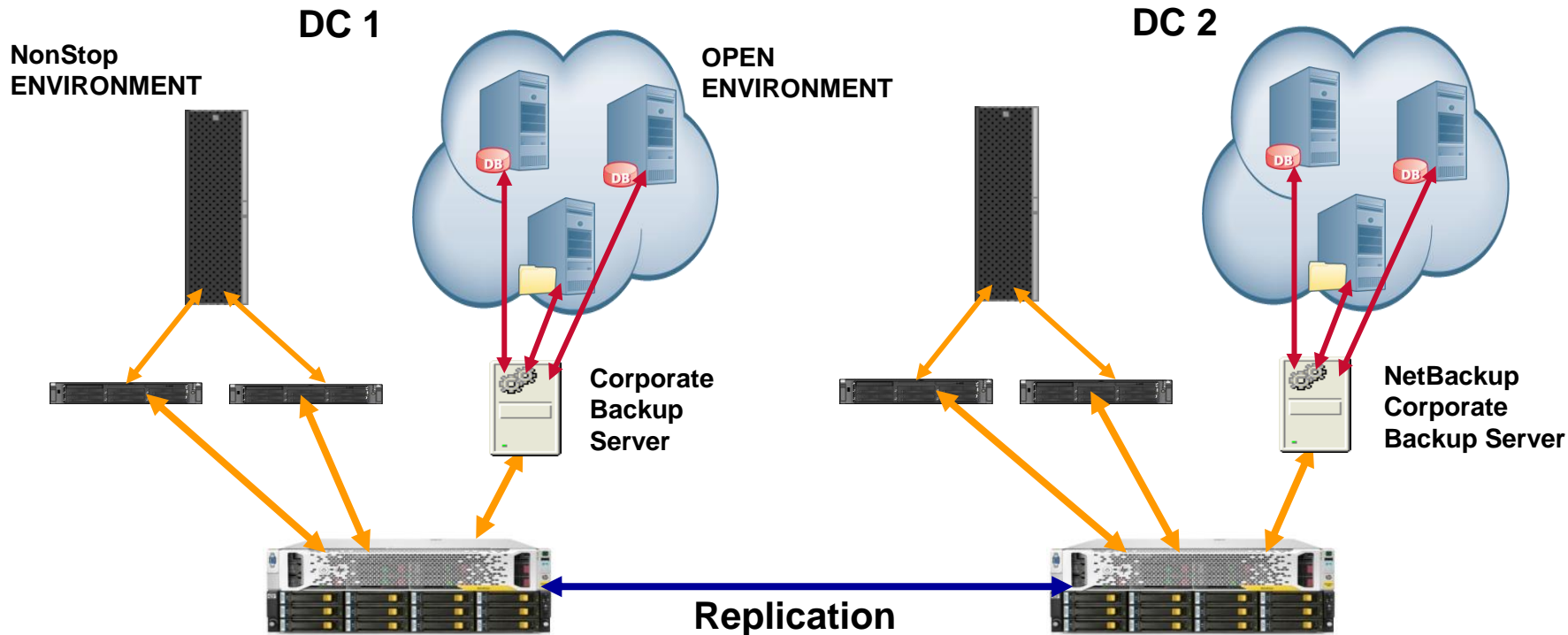
Advanced Data Store

Copy Pool - Restoring a file from remote storage



Storage Integration

Integrating NonStop with Corporate Storage

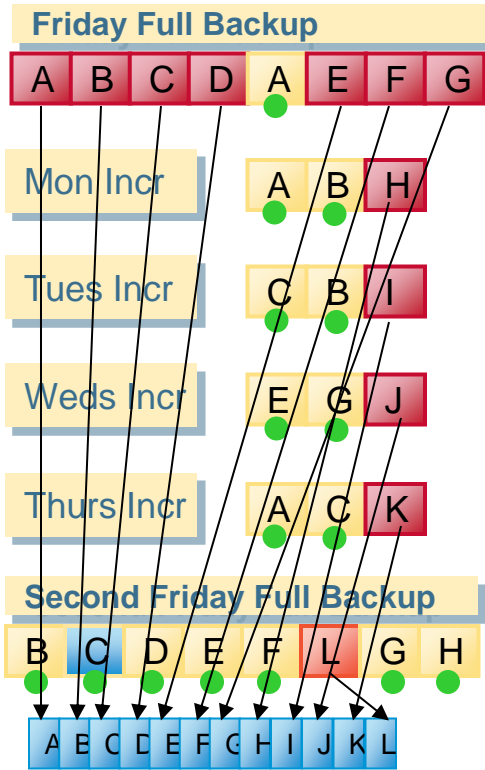


Storage – Data Deduplication



Data Deduplication: A Simple Example

Store more backups in a smaller footprint



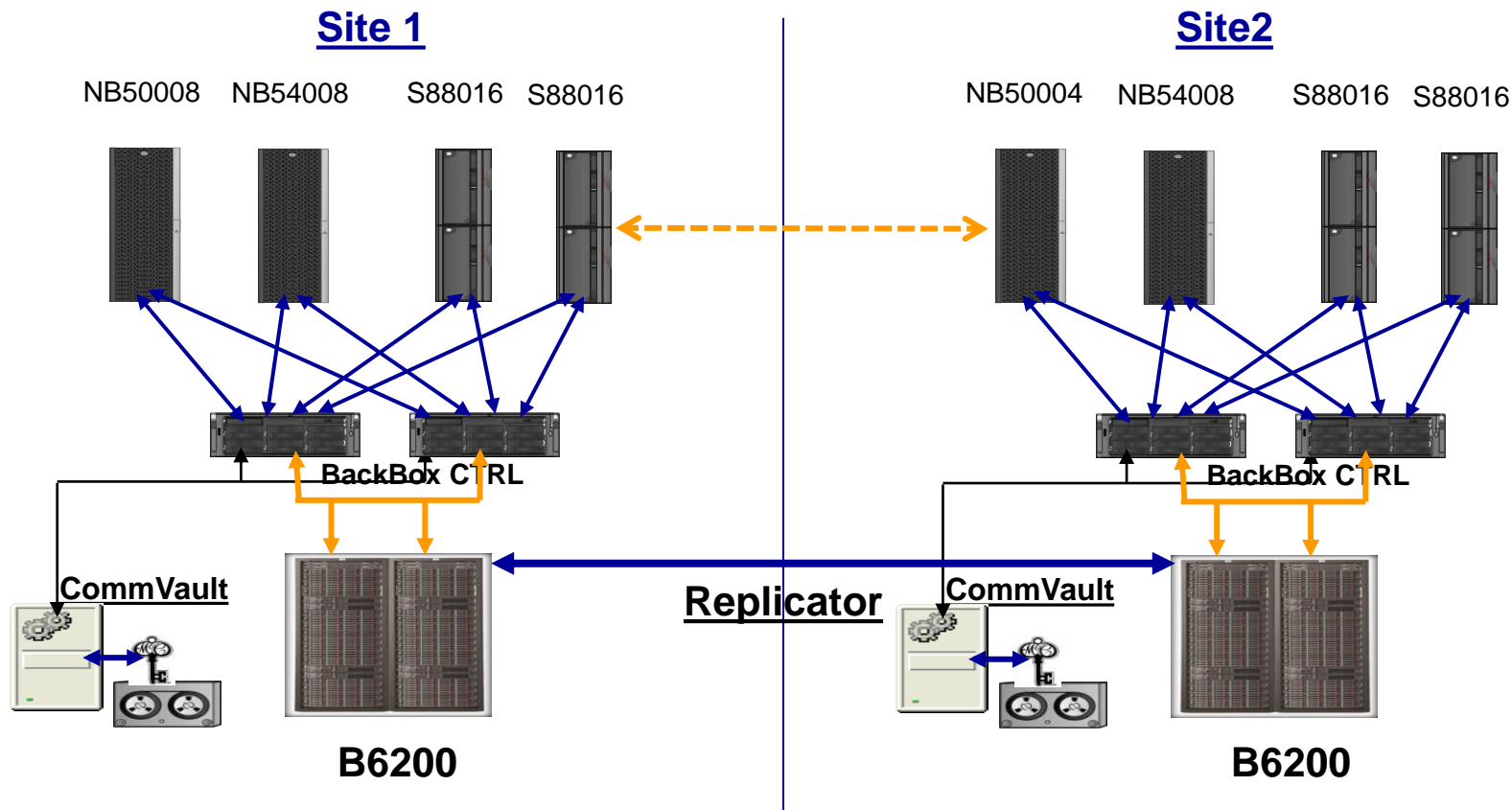
| BACKUP DATA | LOGICAL | ESTIMATED REDUCTION | PHYSICAL |
|---------------|---------|---------------------|----------|
| FRIDAY FULL | 1 TB | 2- 4x | 250 GB |
| Monday Incr | 100 GB | 7-10x | 10 GB |
| Tuesday Incr | 100 GB | 7-10x | 10 GB |
| Wednesday Inc | 100 GB | 7-10x | 10 GB |
| Thursday Incr | 100 GB | 7-10x | 10 GB |
| 2nd FRI FULL | 1 TB | 50-60x | 18 GB |
| TOTAL | 2.4 TB | 7.8x | 308 GB |



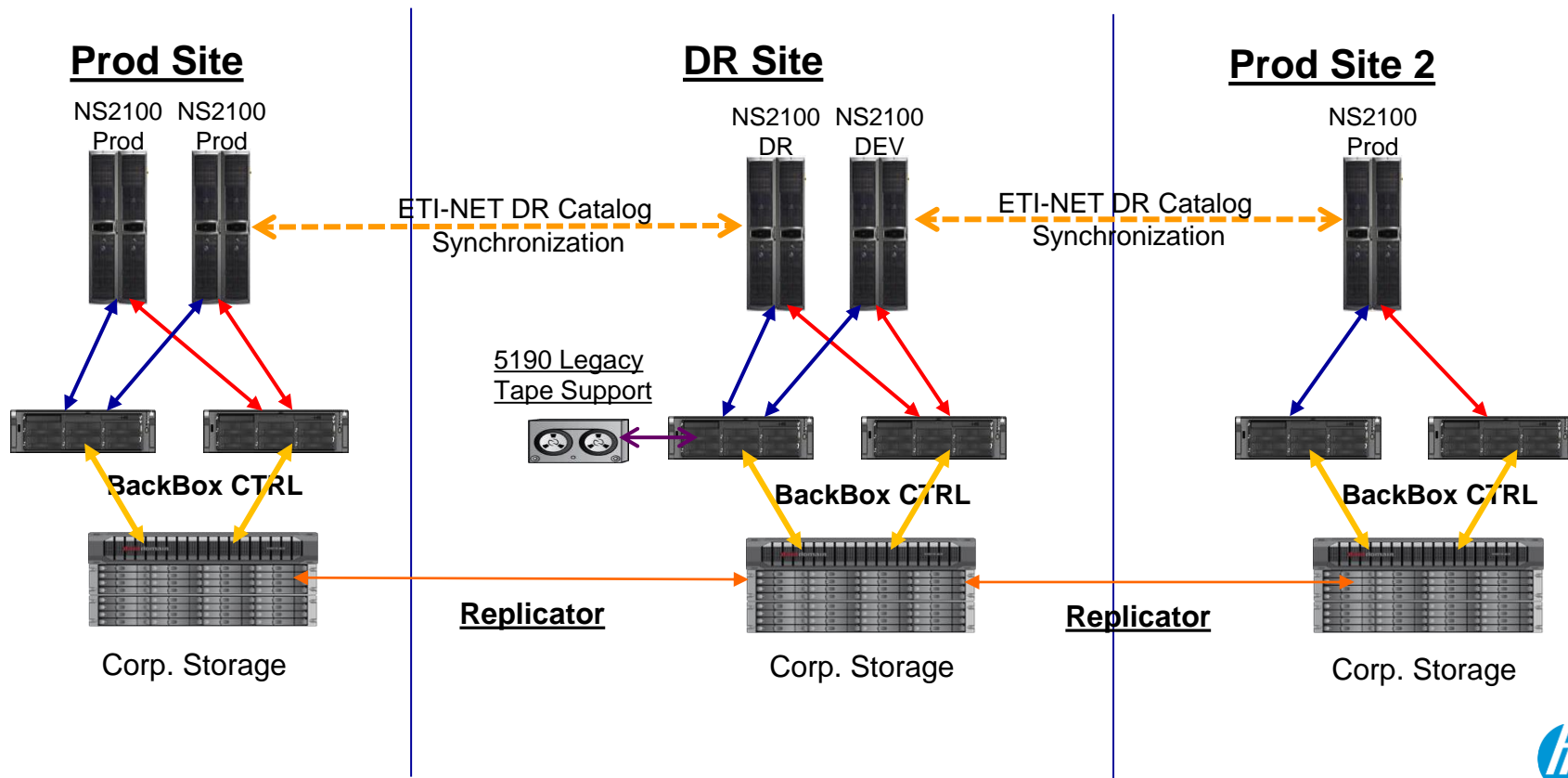
Customer Examples



Health Care Customer



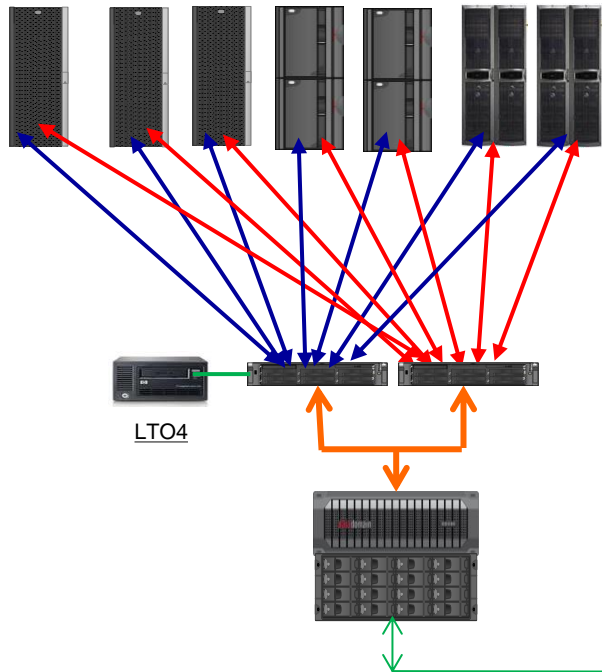
Manufacturing Customer



Bank Customer

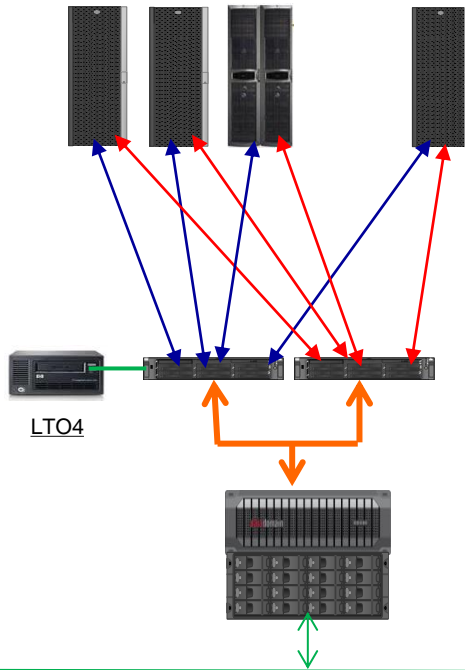
Site 1

NB50000 NB50000 NB50000 S-Series S-Series NS16000 NS16000



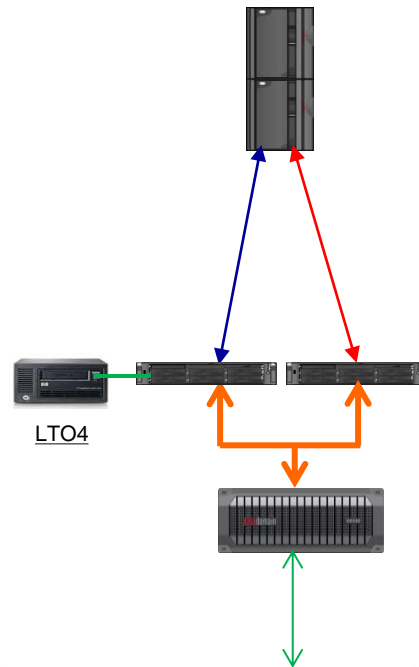
Site 2

NB50000 NB50000 NS16000 NB50000



Site 3

NB5000



For more information

To receive a private presentation about HP NonStop BackBox VTC or discuss how this product could improve efficiency for protecting your NonStop data, please contact your HP NonStop sales representative.

For general information about the product go to: www.hp.com/go/NonStop

Other contacts include:

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ETI-NET/HP Relationship

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Questions?



Thank you!

