



Intelligent IP SANs Made Simple

## Comprehensive Data Continuity Comparison

### CDC vs. Conventional Disk and Tape-Based Approaches

	<b>CDC</b>	<b>Online Backup</b>	<b>Replication/CDP</b>	<b>Tape Archive</b>	<b>Disk to Disk</b>
Site Protection	Yes	Yes	Yes	Yes	No, local site only
Data Continuity <sup>1</sup>	<b>Yes, within minutes</b>	No	Limited <sup>2</sup>	No	No
Recovery Time for 2TB Dataset <sup>3</sup>	<b>&lt; 24 hours*</b>	> 10 days**	> 4 days <sup>4</sup>	> 2.5 days <sup>5</sup>	Variable
Additional Infrastructure	<b>None, SAN based</b>	None, client based	Replication server	Tape library, backup server	Backup server
Application Server Impact	<b>None, SAN based</b>	Agent applications on all client systems	Agent applications on all client systems	Agent applications on all client systems	Agent applications on all client systems
Management Time	<b>None, automated, scheduled process</b>	Low	High: Administration of secondary site	High: Requires recovery and media validation	Low
Full Disk Backup/Restore	Yes	No	Yes	Optional	Optional
Data Integrity	High	High	High	Low, Media issues common	High
Cost	Medium	Low	High	Medium	Medium

\* Options: high-speed WAN recovery, or recovery appliance

\*\* Limited by shared remote bandwidth

<sup>1</sup> In case of site failure.

<sup>2</sup> On a per-application basis for advanced software

<sup>3</sup> In case of site failure.

<sup>4</sup> With T3 connectivity, dependant on remote bandwidth

<sup>5</sup> Estimate includes time required for off-site tape delivery, playback and data restoration with AIT-4 drives.



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