

Disaster Recovery or Backup?

> SearchServerVirtualization



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Agenda

- How do you know if you need Disaster Recovery or Backup?
 - Service Levels
 - Application Performance and Impact
 - Retention
 - Automated Recovery
 - Reverse Replication
- Zerto Virtual Replication Overview
- Case Study: Woodforest National Bank
- Case Study: HAPO Community Credit Union

Do you need Disaster Recovery or Backup?

- Disaster recovery is a subset of business continuity. Disaster recovery is preparing for recovery or continuation of technology infrastructure which are vital to an organization after a natural or human-induced disaster (i.e. the systems or applications may be available but the end users may not be). Disaster recovery ensures the data is available quickly after an outage.
- Backup refers to the copying and archiving of computer data so it may be used to restore the original after a data loss event. The backup system contains at least one copy of all data worth saving, the data storage requirements can be significant. Organizing this storage space and managing the backup process can be a complicated undertaking.

Service Levels – What do you need?

- Disaster Recovery delivers very aggressive service levels
 - Recovery point objectives of seconds
 - Recovery time objectives of minutes

- Backup delivers service levels that are better suited for a tier 3 application
 - Can you lose 12 – 24 hours of data?
 - Can the business survive without the application for 12 hours or more?



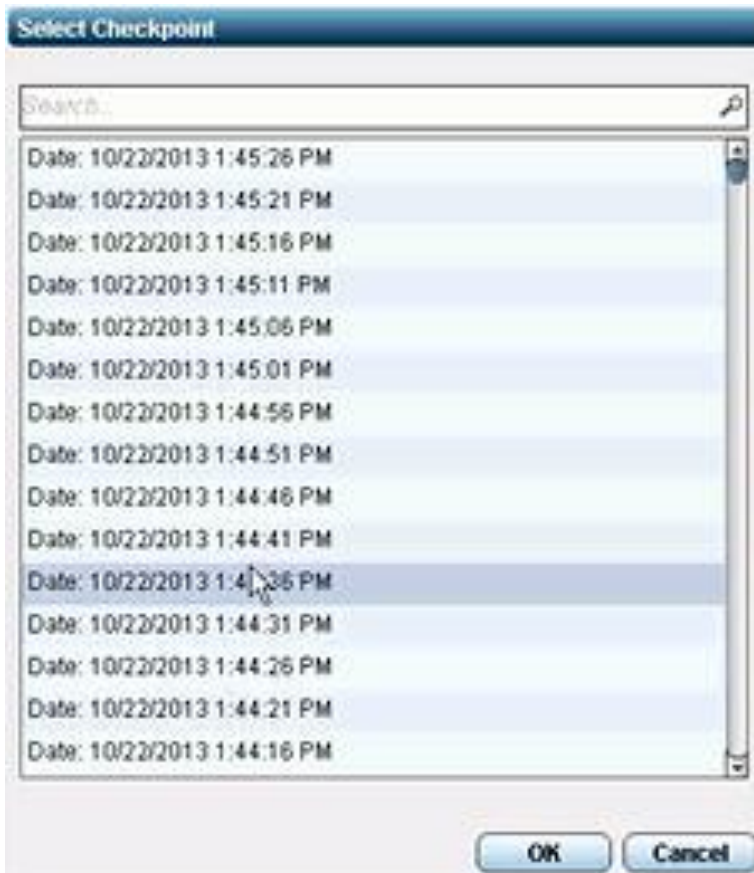
Application Performance and Impact

- Disaster Recovery – The replication mechanism operates continuously and does not significantly impact the application
 - End-user productivity is not impacted
 - Revenue generating activities are not slowed
- Backup – The replication mechanism occurs at a set time(s) during the day and application performance slows
 - End-users notice a change in application performance
 - Backups usually occur in the early morning hours



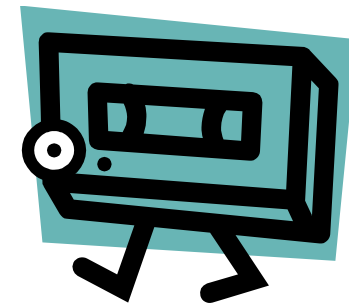
Data Retention – how long do you need the data?

- Disaster Recovery – shorter retention, with many recovery options
- Backup – years of retention to be internal and external compliance requirements, fewer recovery options



Automated Recovery

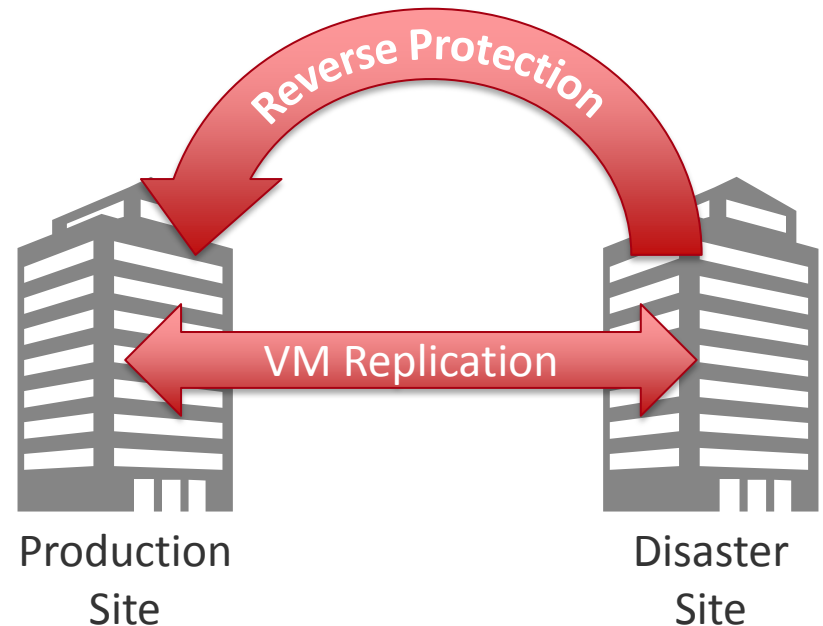
- Disaster Recovery should have minimal manual steps to ensure accuracy and speed
- Backup is usually a very manual process that takes some time



Reverse Protection

Organizations are scared to failover, because then how do you get the data back?

- Disaster Recovery should deliver the ability to replicate back to the production site for simple failback when possible.
- Backup solutions do not have this capability





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Virtual Replication

Virtual Aware

Software Only

Tier-1, Enterprise Class

Fully Automated

Purpose-built for virtual environments and the cloud

Thank you

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Stephen Grey

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