Maximizing Business Continuity with Azure Site Recovery

This presentation explores Azure Site Recovery's capabilities and how it can revolutionize business continuity.

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IT Challenges implementing business continuity

Cost

Datacenter cost
resource cost
Hardware cost

Complexity

Multiple datacenters
Restoring tape
Managing management software

Compliance

Need to retain data
Need to provide service
Challenging to comply

How Microsoft Azure can help

Reduced cost

No need to purchase additional hardware
No secondary site resource costs
Pay for what you use

Reduced Complexity

No need to purchase additional hardware
No secondary site resource costs
Pay for what you use

Increased Compliance

Take advantage of Azure's industry leading certification portfolio

Deploy in one of Azure's 200 datacenters located around the world

Increase your coverage of applications to meet your compliance requirements

Introduction to Azure Site Recovery!

To safeguard your business against disruptions, it's essential to have a robust Business Continuity and Disaster Recovery (BCDR) strategy that protects your data and keeps applications and workloads operational during both planned and unplanned outages.

Azure Recovery Services plays a key role in your BCDR strategy with the Site Recovery service:
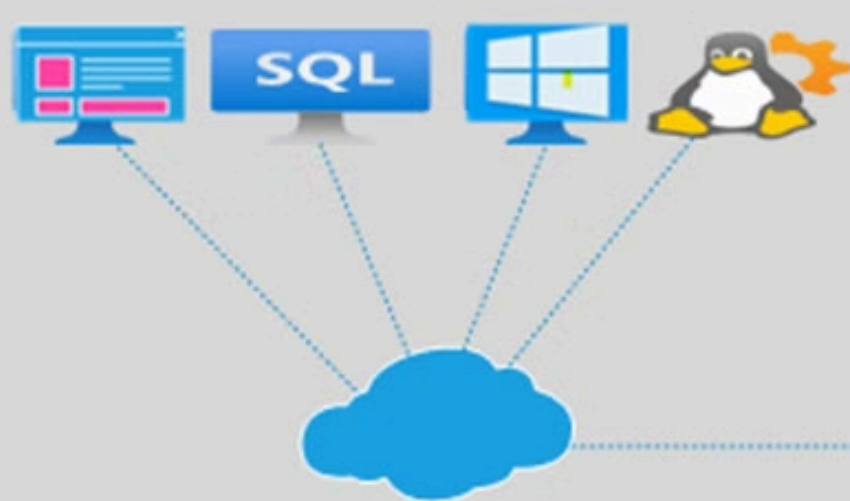
- Site Recovery ensures business continuity by replicating workloads running on physical and virtual machines (VMs) from a primary site to a secondary location.

- In the event of an outage at the primary site, workloads can seamlessly fail over to the secondary location, allowing uninterrupted access to applications.

- Once the primary site is restored, you can fail back operations to resume normal business functions.

Azure Site Recovery helps you minimize downtime and data loss, ensuring resilience in the face of disruptions.

The Power of Cloud-Based Disaster Recovery

Azure: a single solution across the entire deployment

Azure Resources

Hybrid Resources

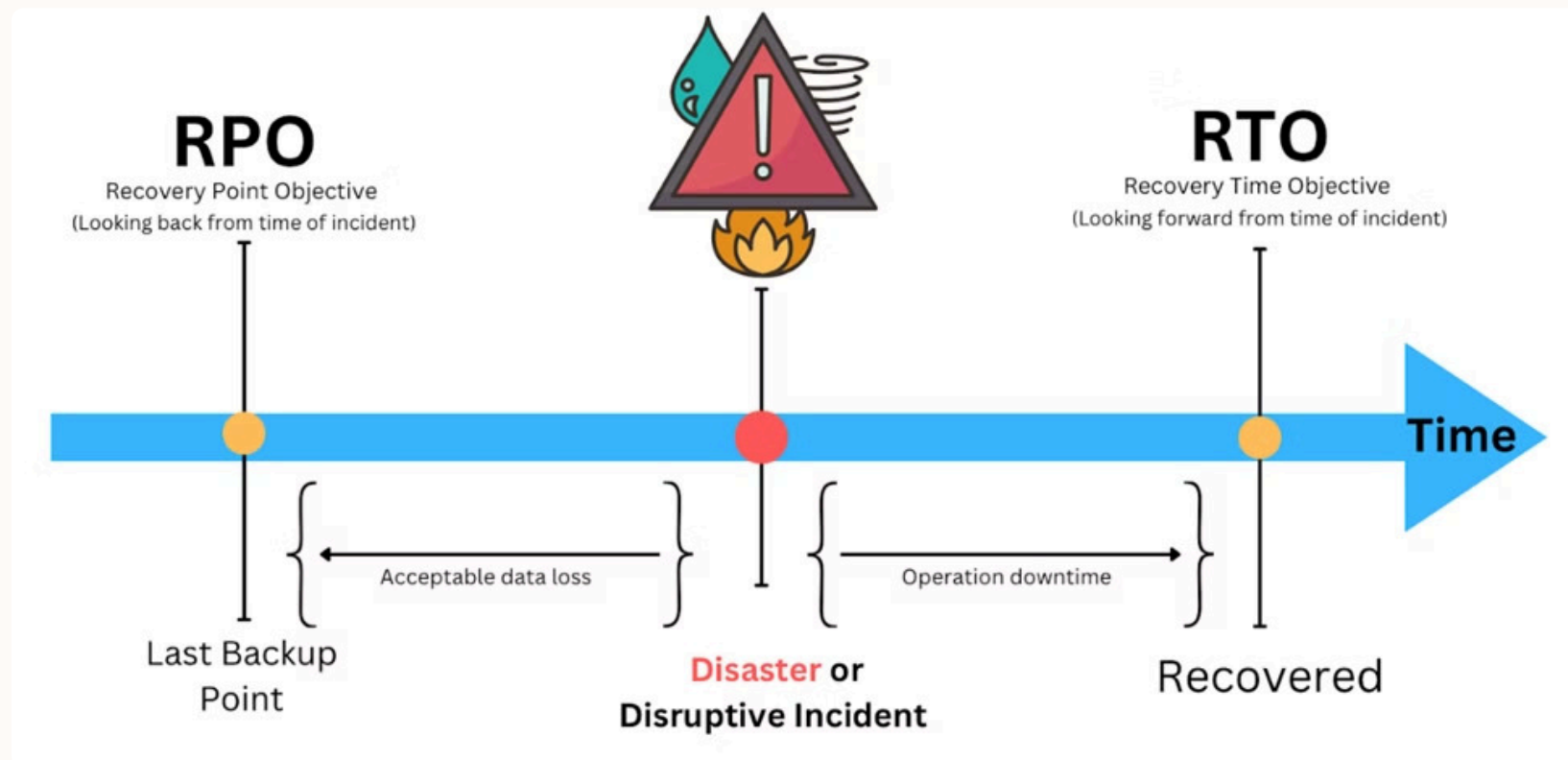Simple   Secure   Cost-Effective

Key Concepts in Disaster Recovery
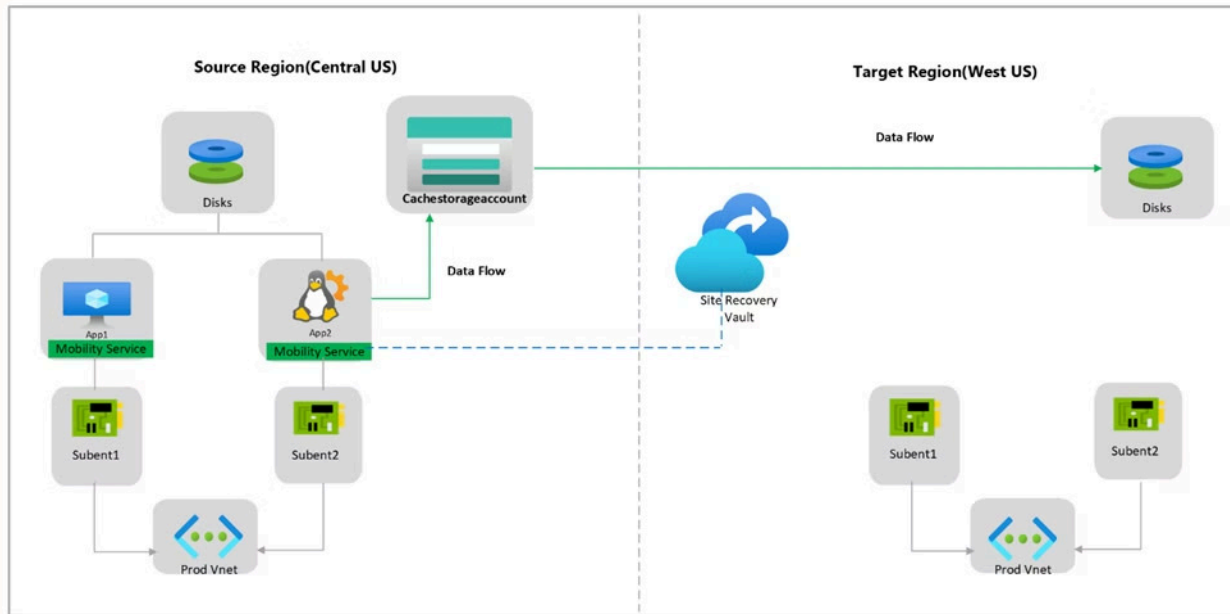
Rapid Recovery

Azure Site Recovery (ASR) delivers business-critical restoration with Recovery Time Objectives (RTOs) as low as 15 minutes, enabling your organization to bounce back from disruptions with minimal impact on operations.

Near-Real-Time Replication

Azure Site Recovery (ASR) enhances disaster recovery by leveraging continuous, automated replication, enabling faster recovery compared to traditional on-premises solutions. By minimizing downtime and maintaining high data integrity, ASR ensures business continuity with near-real-time failover capabilities.
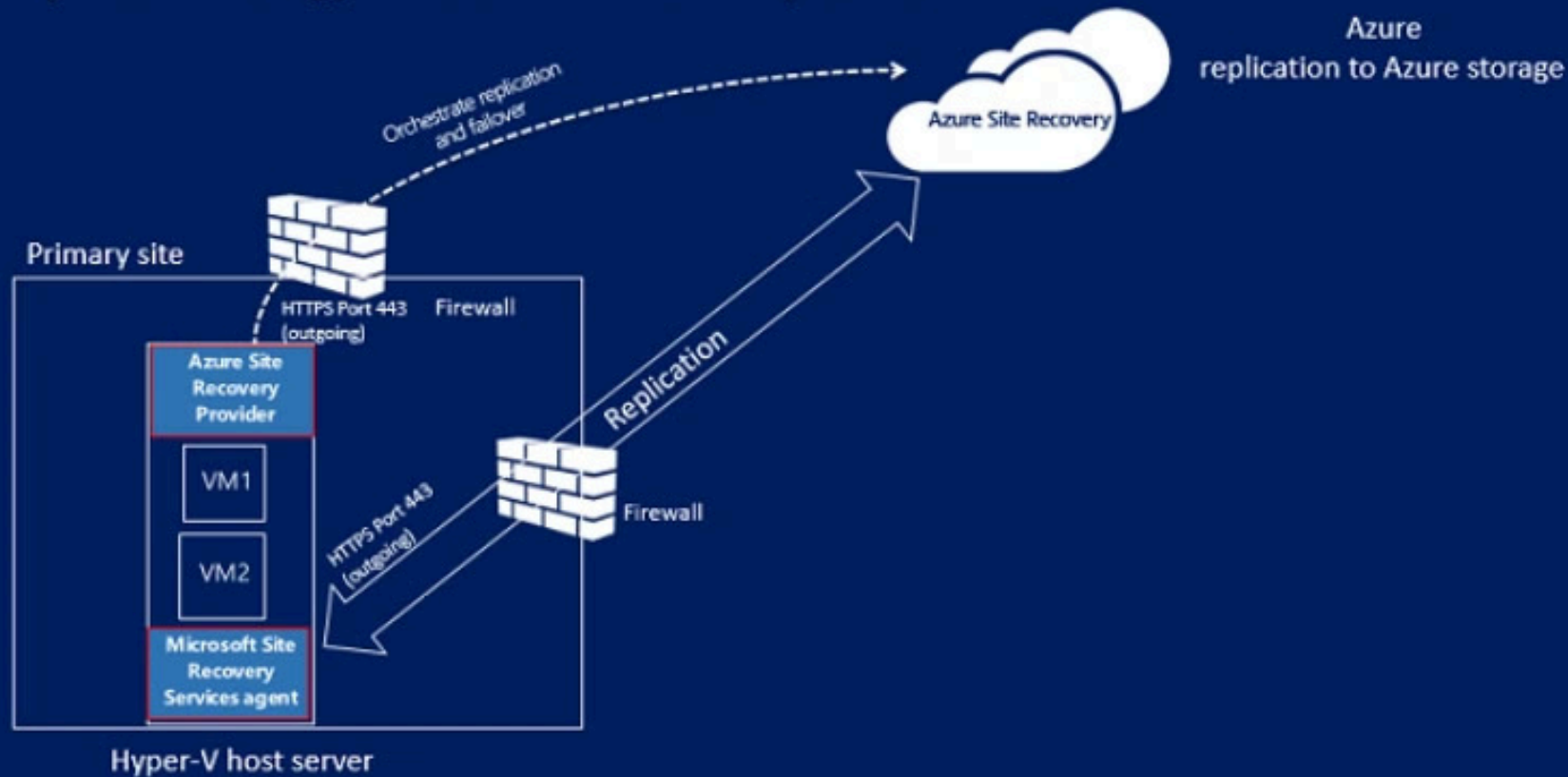
ASR's Architecture: A2A

Source Region(Central US)
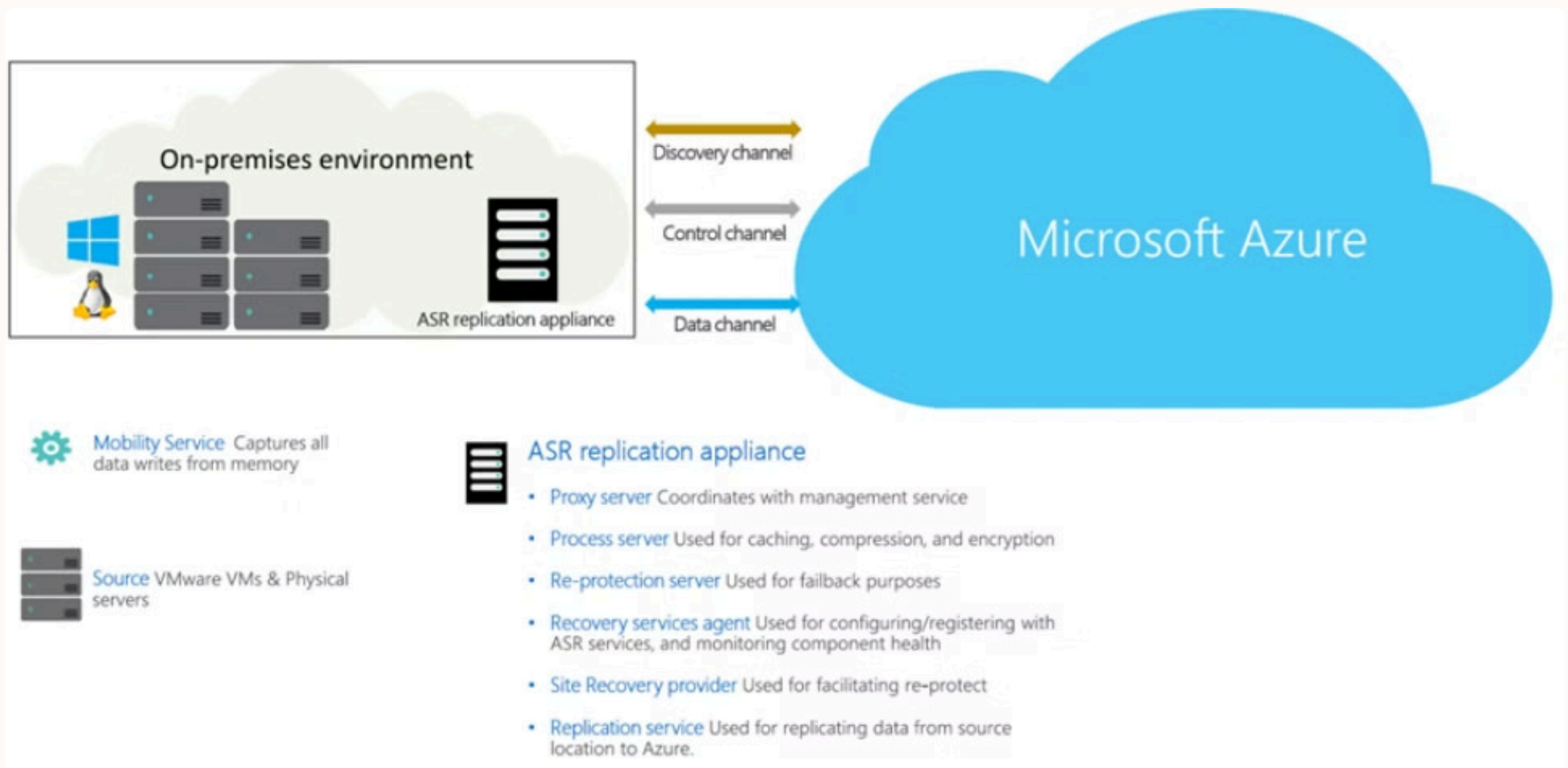
Target Region(West US)

Disks

Cachestorageaccount

Data Flow

Disks

Data Flow

App1

App2

Mobility Service

Mobility Service

Site Recovery Vault

Subent1

Subent2

Subent1

Subent2

Prod Vnet

Prod Vnet

ASR's Architecture: H2A

ASR's ArchitecASR's Architecture: V2A/P2Ature: V2A/P2A

Key Success Factors: Pre-Implementation Planning, Training, and Testing

Comprehensive Planning

Conduct thorough infrastructure assessment, network capacity analysis, and compliance requirements mapping to create a tailored implementation roadmap.

1

Thorough Training

Equip IT teams with hands-on Azure certification training, disaster recovery protocols, and ASR management skills.

2

Regular Testing

Execute monthly failover drills, quarterly full-scale recovery simulations, and continuous monitoring to maintain 99.9% recovery reliability.

3

Implementing Azure Site Recovery: A Step-by-Step Guide

Assessment

Analyze workload requirements, network bandwidth, and RPO/RTO objectives to establish baseline metrics for recovery strategy.

1

Planning

Design replication architecture, map dependencies, and create comprehensive runbooks for automated recovery sequences.

2

Deployment

Set up Azure Site Recovery vault, configure source-to-target replication, and implement automated recovery policies.

3

Testing

Conduct bi-monthly failover drills, validate recovery time objectives, and refine procedures based on performance metrics.

4

PLANNING

ASSESSMENT

DEPLOYMENT

TESTING

ONGOING MANAGEMENT

Conclusion: Enhance Business Continuity with Azure Site Recovery

Azure Site Recovery is a game-changing solution for modern business continuity, offering up to 90% faster recovery times and 40-60% cost savings. With a 99.9% recovery success rate and robust security features, ASR empowers organizations to safeguard critical workloads while reducing the need for redundant infrastructure. Strengthen your organization's resilience today by leveraging Azure Site Recovery's enterprise-grade disaster recovery capabilities

Thank You