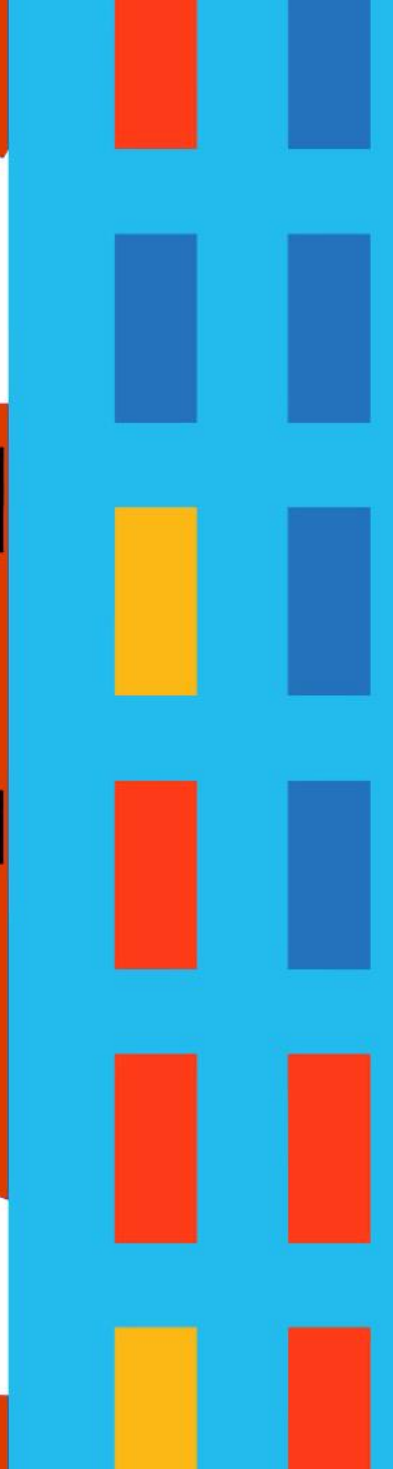




Azure Site Recovery Blackbelt

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Business continuity challenges

Impact of data growth on business continuity



Business continuity



Roadblock



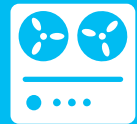
Complexity of protecting data and applications



Too much data—often with insufficient protection



Long data-retention requirements



Time-intensive media management



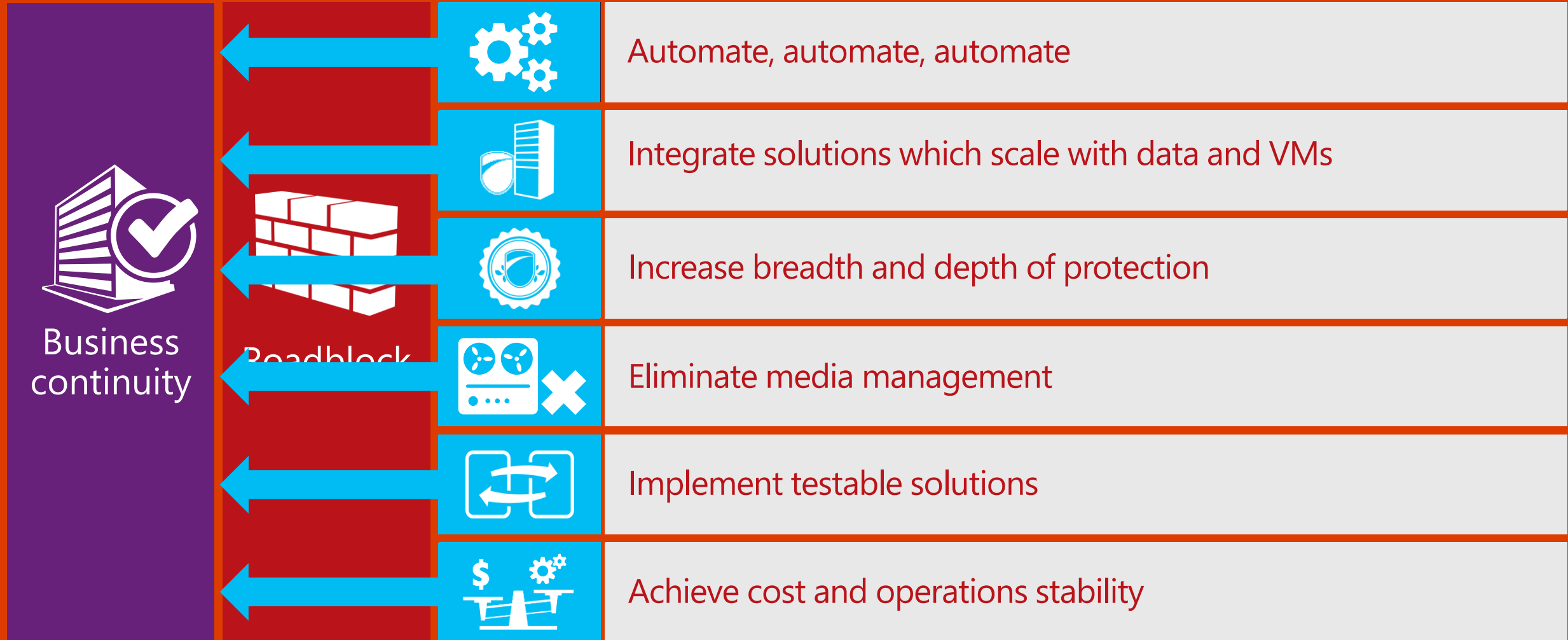
Untested disaster recovery and decreasing recovery confidence



Higher costs as data size and number of virtual machines increase

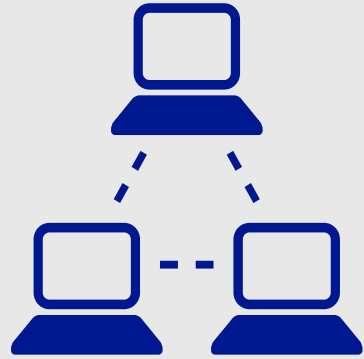
Business continuity challenges

Bypassing the obstacles

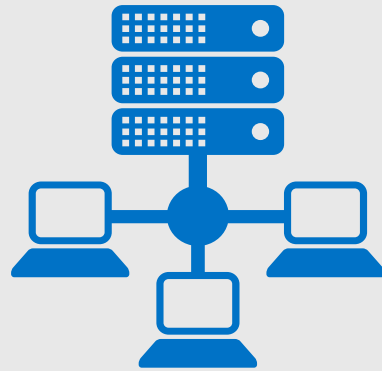


Protection that evolves with your IT

IT solutions are not silos—your business continuity solutions shouldn't be



Physical



Virtual



Hybrid Cloud



Cloud

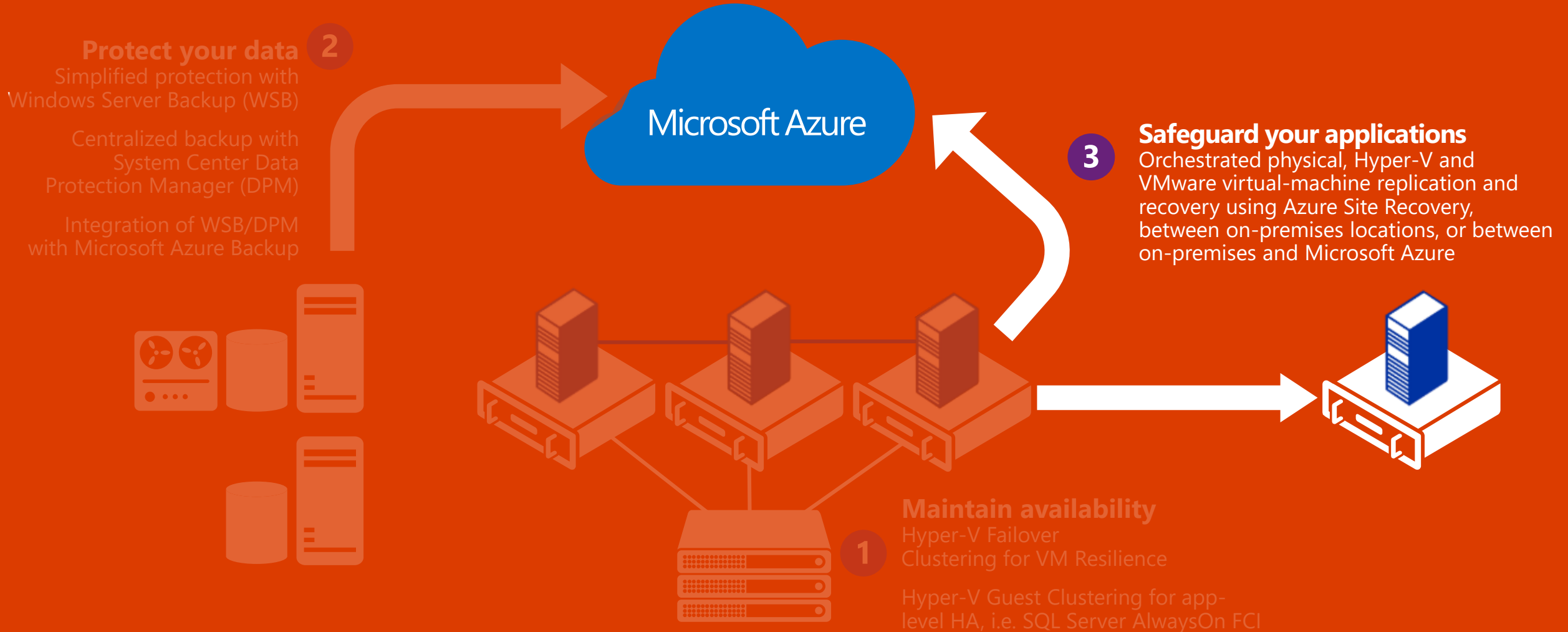
On-premises—built and managed infrastructure

Cloud—flexible, remote infrastructure

Microsoft provides solutions across all four scenarios

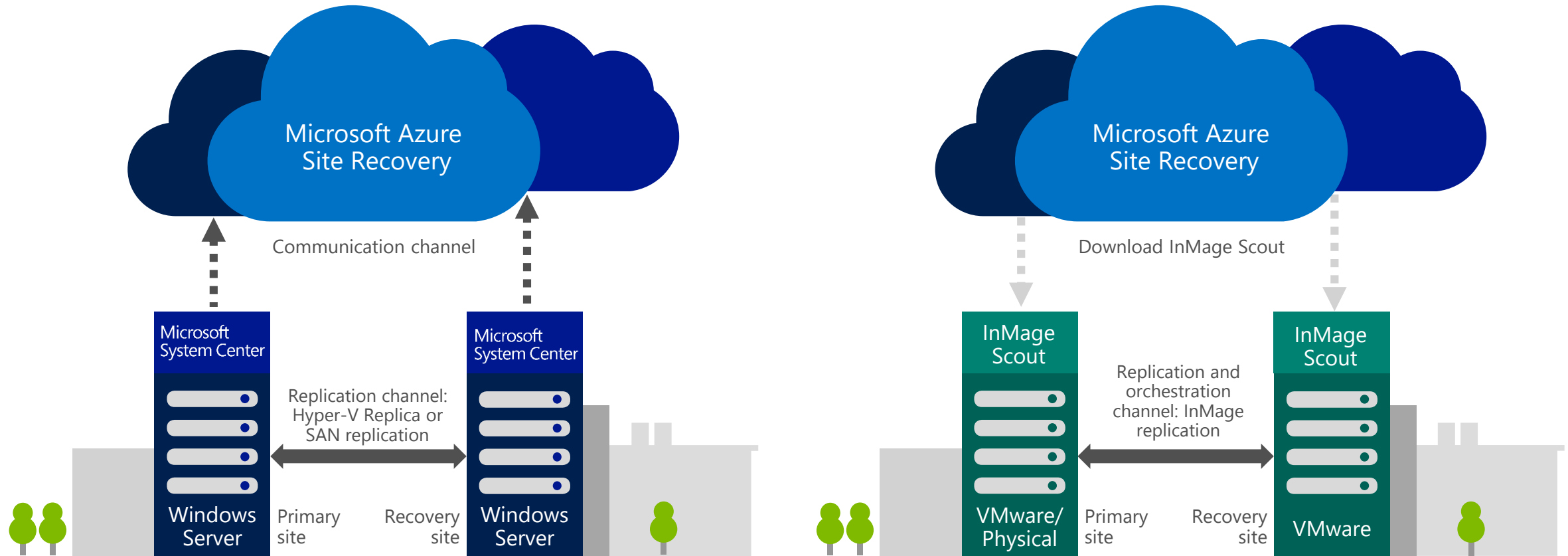
Microsoft solutions

Breadth and depth solutions for business continuity and DR



Safeguard your applications

On-premises to on-premises protection with Azure Site Recovery



Key features include:

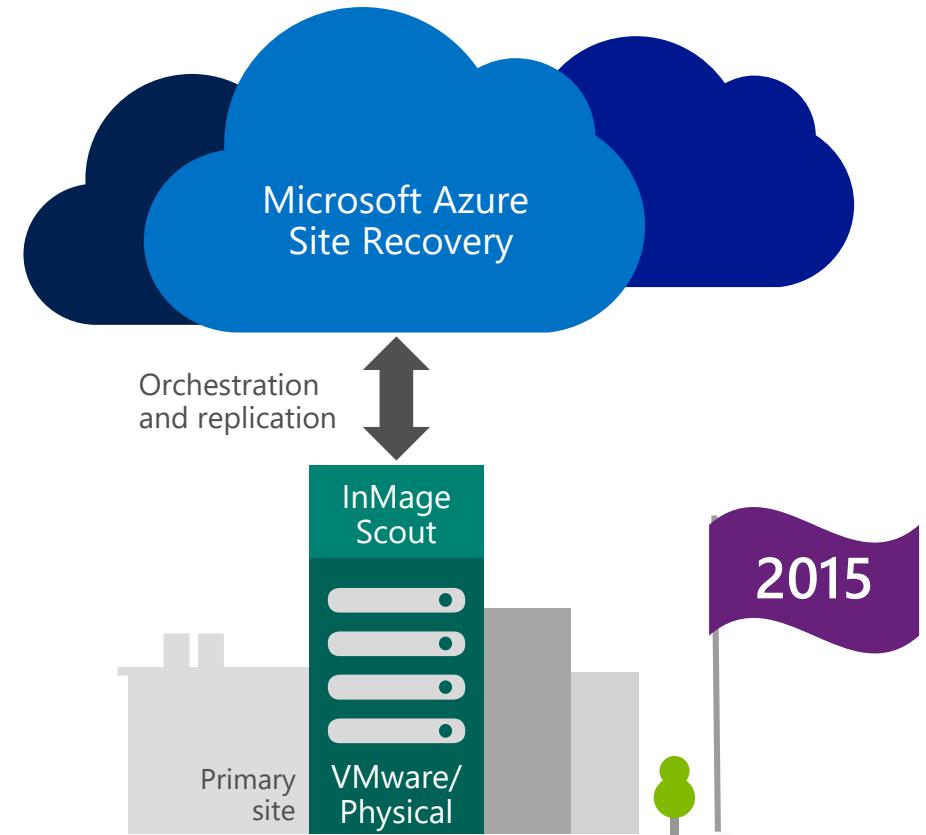
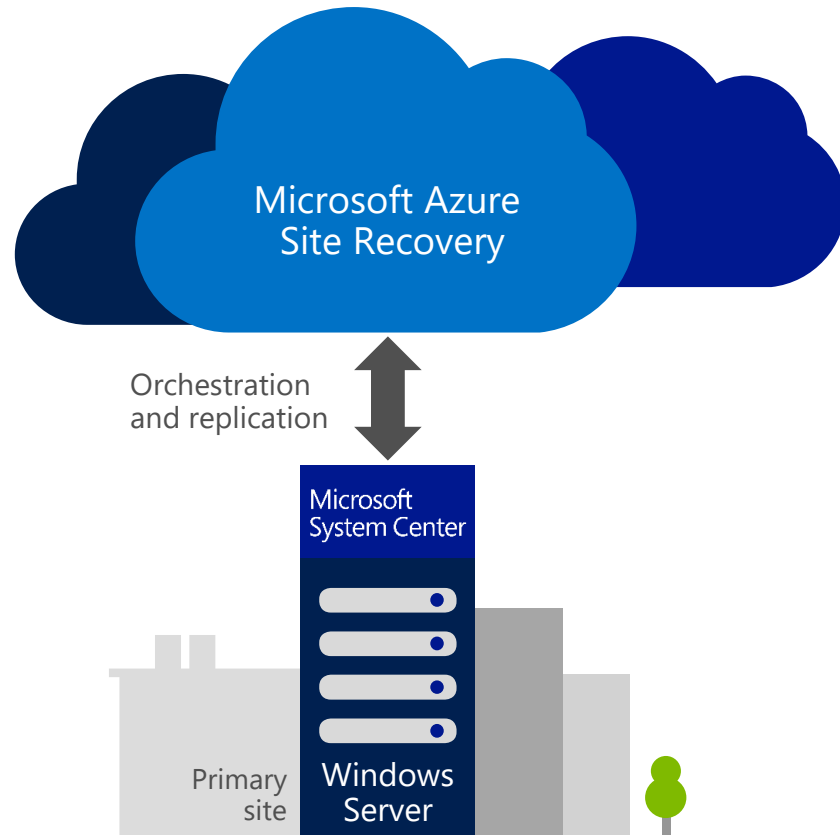
- Automated VM protection and replication
- Remote health monitoring
- Customizable recovery plans

- Integration with available investments
- No-impact recovery plan testing
- Orchestrated recovery of tiered applications

Support for heterogeneous environments

Safeguard your applications

On-premises to Microsoft Azure protection with Azure Site Recovery



Key features include:

Use Azure as your disaster recovery site
Automated VM protection and replication
Remote health monitoring

Customizable recovery plans
No-impact recovery plan testing
Orchestrated recovery of tiered applications

Support for heterogeneous environments

Migration Accelerator

Move physical, VMware, AWS and Hyper-V virtual machines to Azure

Heterogeneous

Supports VMware, AWS, Hyper-V and physical servers.

One solution to orchestrate Azure cloud adoption throughout your environment.

Fast, pain-free migrations

From discovery & network reconfiguration through to Azure VM provisioning, the Migration Accelerator handles it all

Application consistency

Simplify multi-tier application migrations to Azure, with the ability to detect and stage most applications.

Automatically orchestrates the startup order of applications in Azure



Migration Accelerator

Move physical, VMware, AWS and Hyper-V virtual machines to Azure

Near-zero downtime and data loss

Replicate and test your workloads on Azure before committing to a cutover.

After an initial sync, data replication between your assets and Azure is near synchronous, with minimal impact to production systems.

When you're ready, Migration Accelerator will switch the primary to Azure for a seamless migration.

Migrate for free

While in limited preview, Migration Accelerator is free and available only in North America.

You pay only for any Azure services consumed. There is no SLA for Azure services in public preview

<http://azure.microsoft.com/en-us/features/migration-accelerator/>

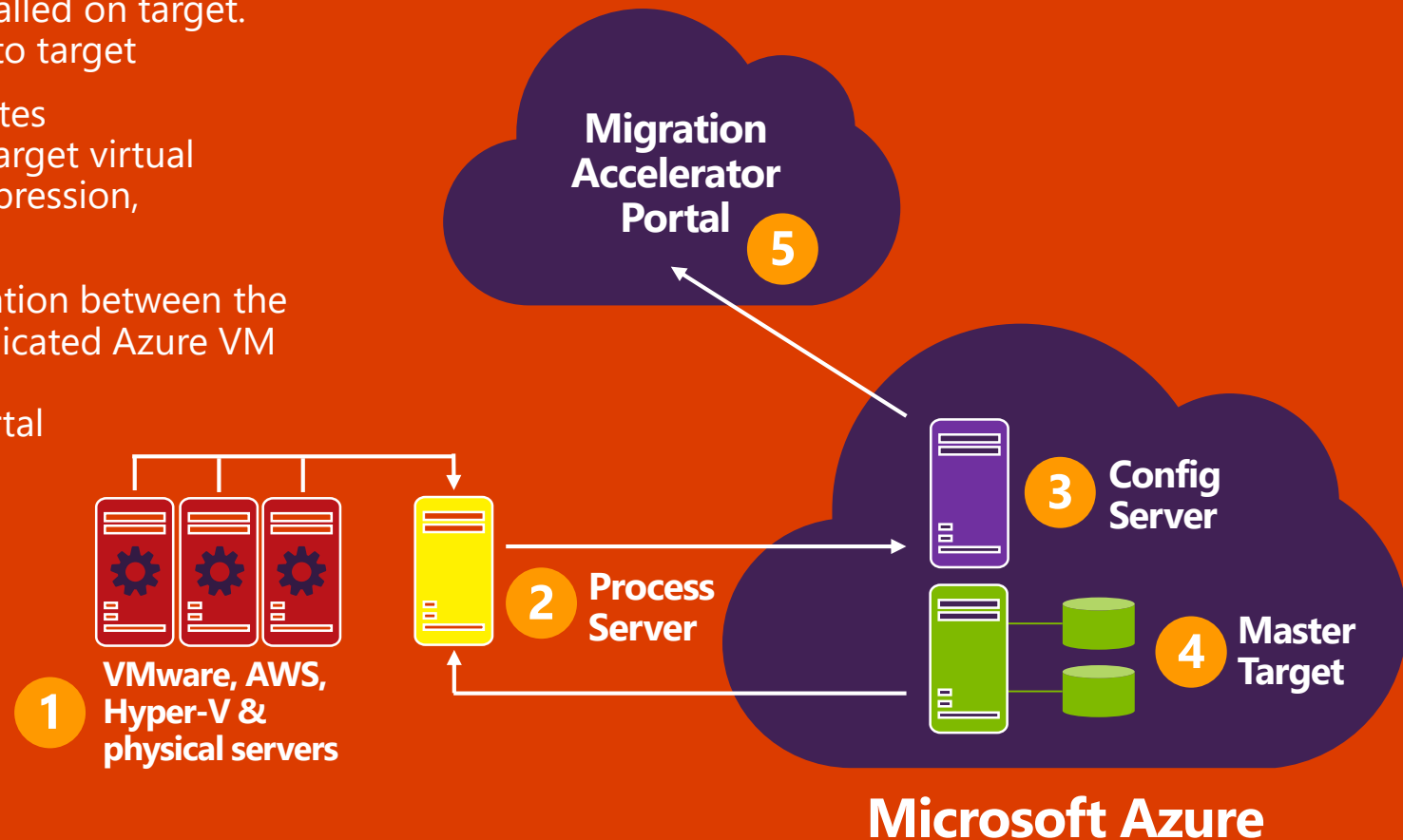


Migration Accelerator

Move physical, VMware, AWS and Hyper-V virtual machines to Azure

Key Components

1. Mobility Service: light weight OS-based service installed on target. Captures data in real time & syncs source volumes to target
2. Process Server (PS): On-premises server that facilitates communication between the Mobility Service and target virtual machines in Azure. Provides caching, queuing, compression, encryption and bandwidth management
3. Configuration Server (CS): Manages the communication between the Master Target and the MA Portal. Installed on a dedicated Azure VM in your Azure subscription. Regular synchronization occurs between the CS and MA Portal
4. Master Target (MT): Target for replicating disks of on-premises servers. Installed within a dedicated Azure VM in your Azure subscription. Disks are attached to the MT to maintain duplicate copies.
5. MA Portal: Multitenant portal to discover, configure protection and migrate your on-premises workloads into Azure.





Summary

Microsoft has a **breadth of solutions** that help to provide business continuity and disaster recovery at each level of your environment.

Clustering provides fabric and application resilience.

System Center Data Protection Manager and Windows Server Backup provide powerful backup capabilities for important data.

Microsoft Azure provides enhancements and new capabilities for **backup** and **site recovery**.

Microsoft solutions help you **lower the costs and complexity** associated with business continuity.

