DRAAS
AZURE SITE RECOVERY

Azure Site Recovery

Using Site Recovery, you can deploy application-aware replication to the cloud. Whether your apps are Windows or Linux-based, running on physical servers, VMware or Hyper-V, you can use Site Recovery to orchestrate replication, perform disaster recovery testing, and run failovers and failback.

Site Recovery integrates with Microsoft applications, including SharePoint, Exchange, Dynamics, SQL Server, and Active Directory. Microsoft also works closely with leading vendors including Oracle, SAP, and Red Hat. You can customise replication solutions on an app-by-app basis.

- App-agnostic, providing replication for any workloads running on a supported machine.

- Near-synchronous replication, with RPOs of seconds, to meet the needs of most critical business app.

- App-consistent snapshots, for single or multi-tier applications.

- Integration with SQL Server AlwaysOn, and partnership with other application-level replication technologies, including AD replication, SQL AlwaysOn, Exchange Database Availability Groups (DAGs) and Oracle Data Guard.

- Flexible recovery plans, that enable you to recover an entire application stack with a single click, and include to include external scripts and manual actions in the plan.

- Advanced network management in Site Recovery and Azure to simplify app network requirements, including the ability to reserve IP addresses, configure load-balancing, and integration with Azure Traffic Manager, for low RTO network switchovers.

- Encryption in-transit and at-rest for virtual and physical servers replicated into Azure.

- All data and metadata needed to enable and orchestrate replication and failover remains within that region's geographic boundary.

What can Site Recovery protect?

Azure VMs
Replicate any workload running on a supported Azure VM.

Hyper-V virtual machines
Protect any workload running on a Hyper-V VM.

Physical servers
Protect physical servers running Windows or Linux.
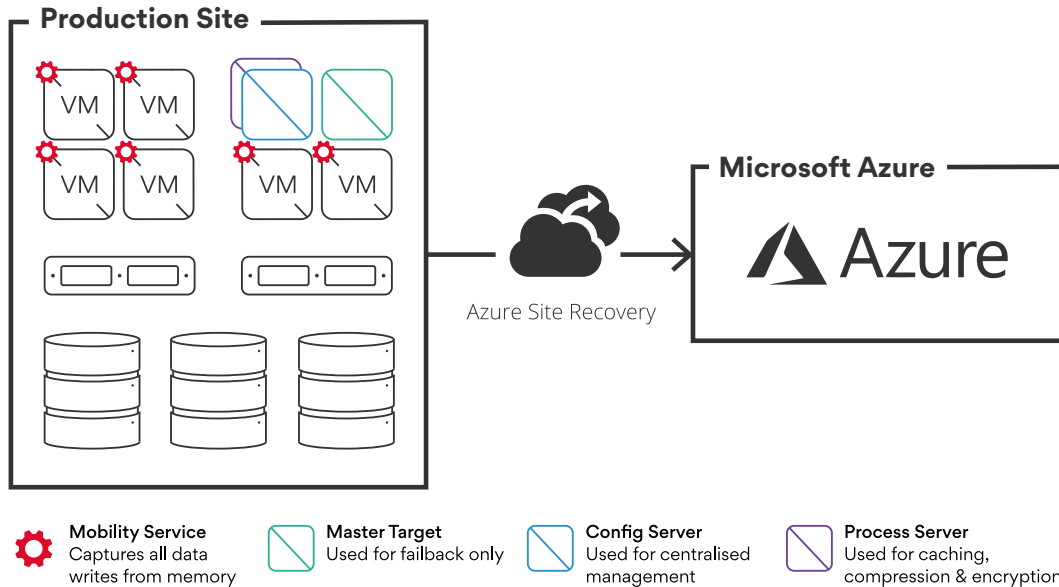
VMware virtual machines
Protect any workload running in a VMware VM.

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Azure Site Recovery

VMware to Azure

Production Site

VM VM

VM VM   VM VM

Microsoft Azure

Azure Site Recovery

Mobility Service
Captures all data writes from memory

Master Target
Used for failback only

Config Server
Used for centralised management

Process Server
Used for caching, compression & encryption

Hyper-V to Azure

Production Site

Azure Site Recovery Provider

VM VM   VM VM

VM VM   VM VM

Microsoft Site Recovery Services Agent

Microsoft Azure

Azure Site Recovery