Microsoft Azure

Azure BCDR

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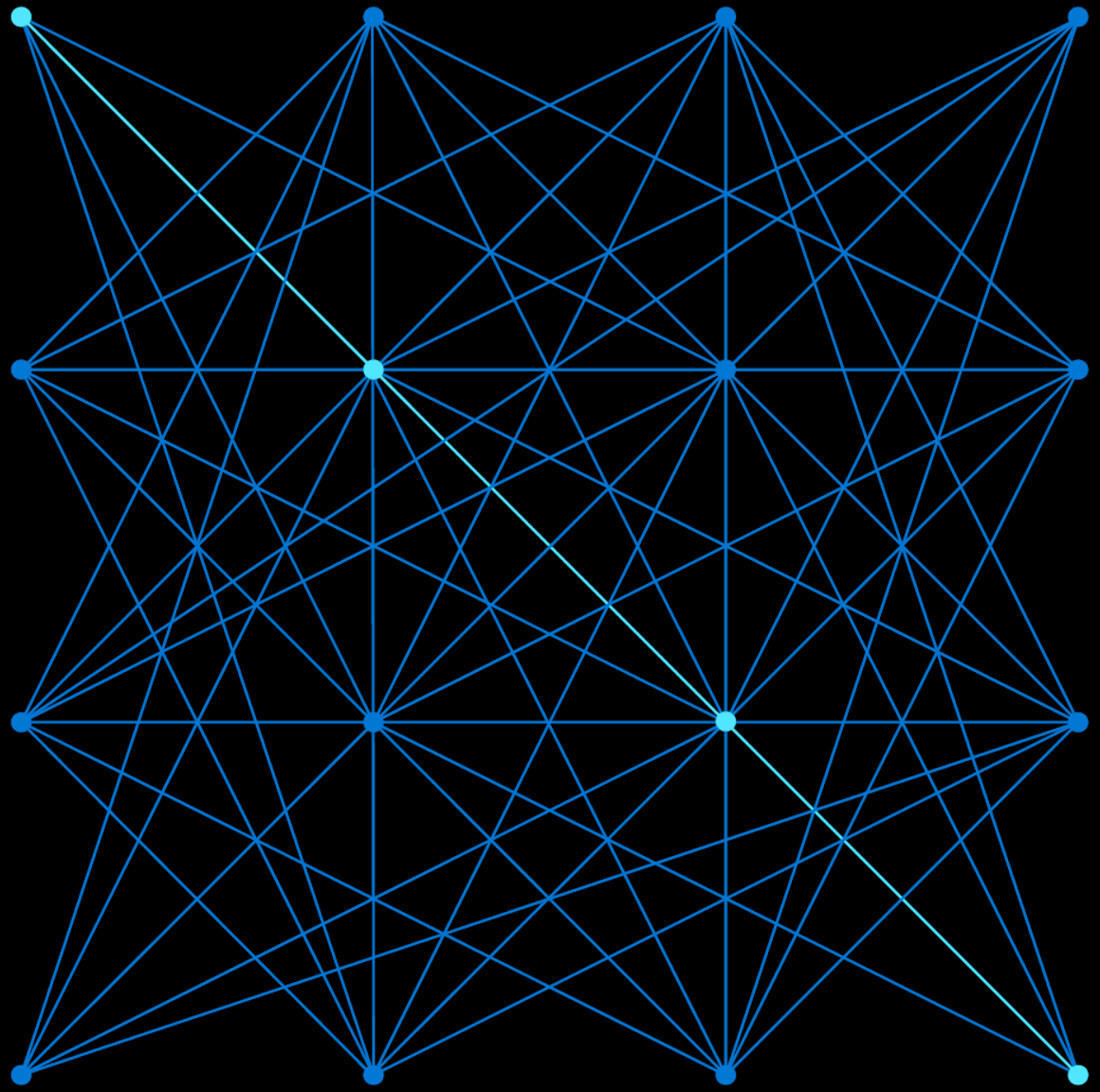
Microsoft Azure

Preparing your organization for the unpredictable

Business Continuity & Disaster Recovery



Business Continuity and Disaster Recovery (BCDR)

Processes and tools that protect, restore, and keep your operations running during unpredictable events.

Why BCDR matters

Downtime is inevitable.
Several factors and outside circumstances, like natural disasters, can cause apps to go offline without notice.

Downtime causes tangible impact to business.
When apps are down services become unavailable to organizations and customers.

BCDR can mitigate losses.
Outages may be permanent, and proper BCDR planning not only ensures that business can continue operating but that data is not permanently lost.

Why do customers need to protect their IT estate?

Data corruption and deletion

Outages and natural disasters

Compliance

Ransomware

Azure Backup architecture and components

Azure Backup: Modern enterprise-class backup solution!

Azure Backup is a simple, secure, cost-effective manage at-scale built-in backup solution to protect diverse set of workloads in Azure

Simple

Experience less overhead with zero-infra backup solution and self-service restores

Secure

Safeguard backups against ransomware, accidental deletions and outages

Cost-Effective

Predict backup cost with precision and save money with cheaper storage

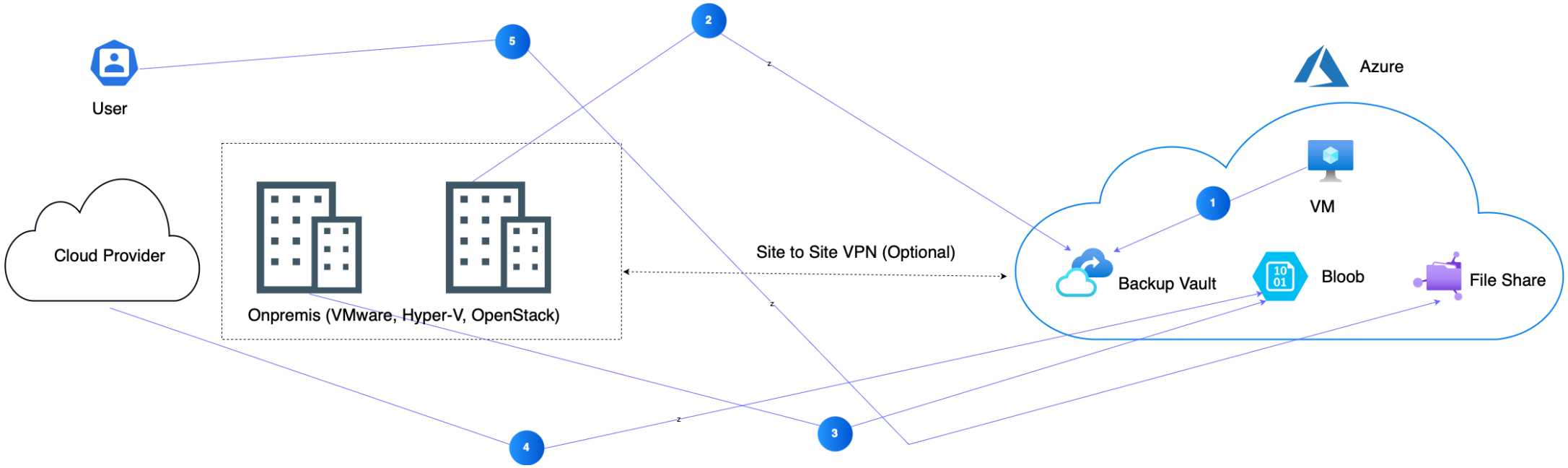
Manage at-scale

Monitor, operate, govern and plan backups at scale from a central pane of glass

Diverse workload support

Protect database and storage workloads across IaaS and PaaS deployments

Azure Backup Scenario



1. Backup from Azure to Azure	**2.** Backup from On-Premises to Azure using MABS or MARS	**3.** Backup from On-Premises to Azure using Third-Party Software	**4.** Backup from Other Cloud Providers to	**5.** Using Azure File by Users for PC or Server
Azure Backup: Use Azure Backup service to protect data in Azure VMs, SQL databases, and file shares. **Geo-Redundant Storage (GRS)**: Enable GRS to replicate data to a different Azure region for increased resilience.	**MABS (Microsoft Azure Backup Server)**:. •Configure backup for Operating System **MARS (Microsoft Azure Recovery Services)**: •Configure backup for files and folders directly to Azure.	**3rd Party Software**: Use third-party backup solutions like Veeam,, or Veritas.	•Use solutions supporting multi-cloud backup like Veeam or Veritas. •Configure to back up data from other cloud providers (AWS, GCP) to Azure Blob Storage	**Azure File**: Configure Azure File Sync to synchronize files between on-premises and Azure File Share for increased accessibility and availability.

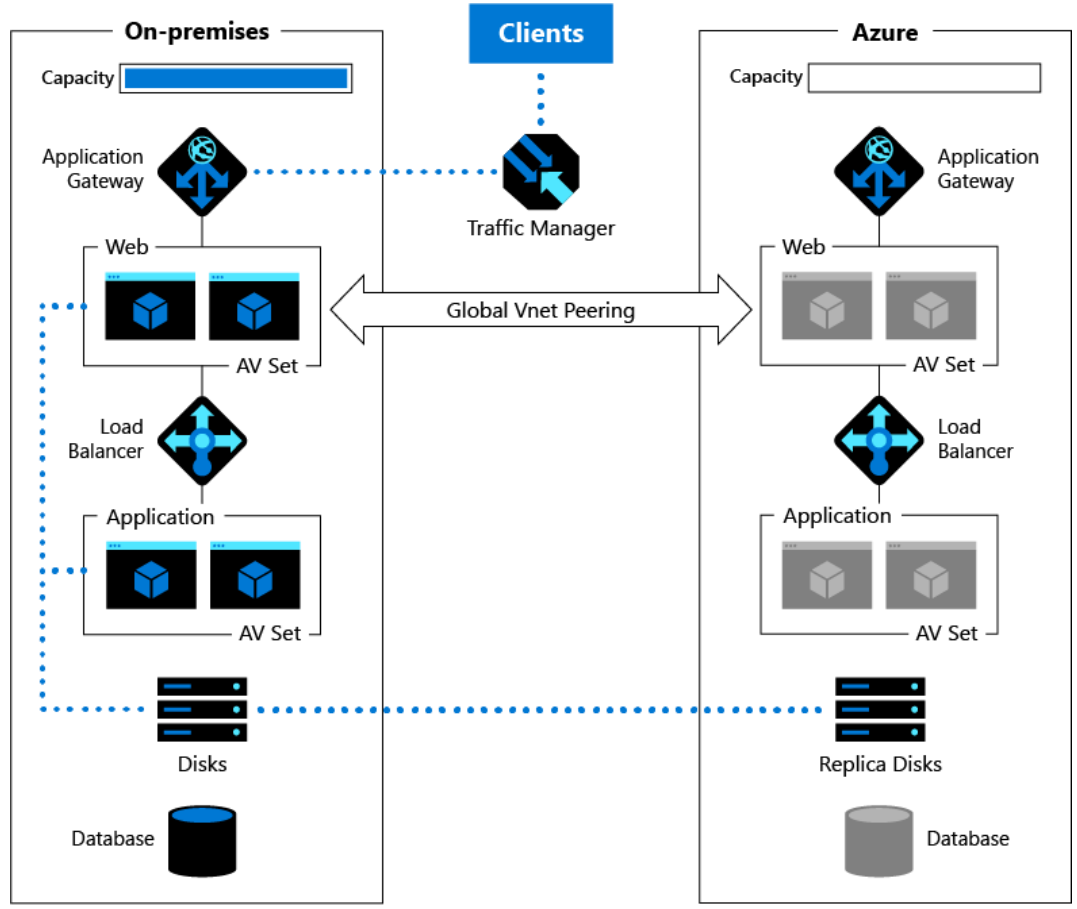
Protect to Azure via Azure Site Recovery

Clones your live server to Azure

- Easy to deploy and manage
- Reduce infrastructure costs
- Minimize downtime with dependable recovery
- Heterogenous environment support

VMware environment

Hyper-V Datacenter



Gartner Leader

Site Recovery is a native disaster recovery as a service (DRaaS), and Microsoft has been recognized as a leader in DRaaS based on completeness of vision and ability to execute by Gartner in the 2019 Magic Quadrant for Disaster Recovery as a Service.

Simple BCDR solution

Using Site Recovery, you can set up and manage **replication, failover, and failback** from a single location in the Azure portal.

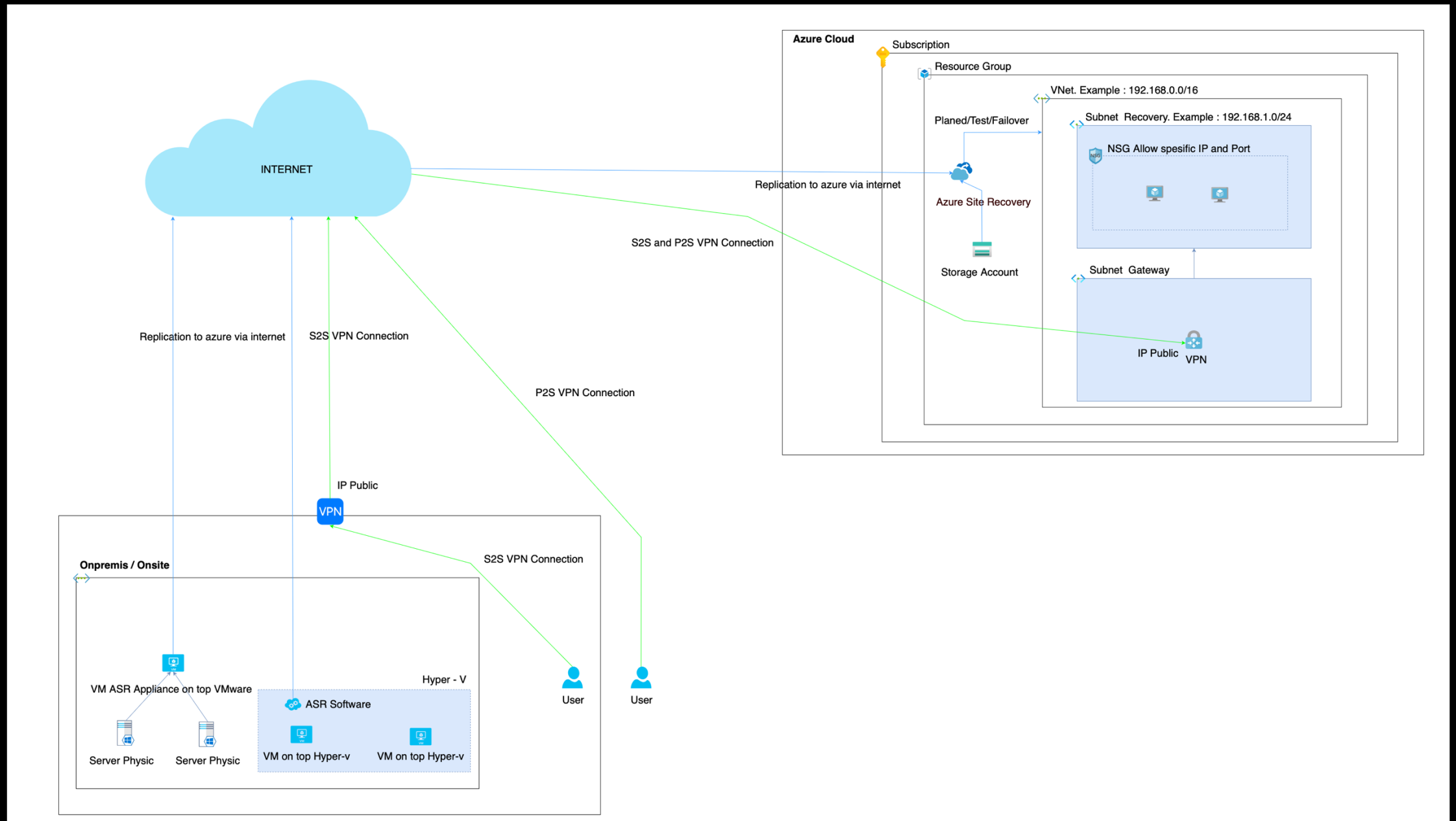
Workload replication

Replicate any workload running on supported Azure VMs, on-premises Hyper-V and VMware VMs, and Windows/Linux physical servers.

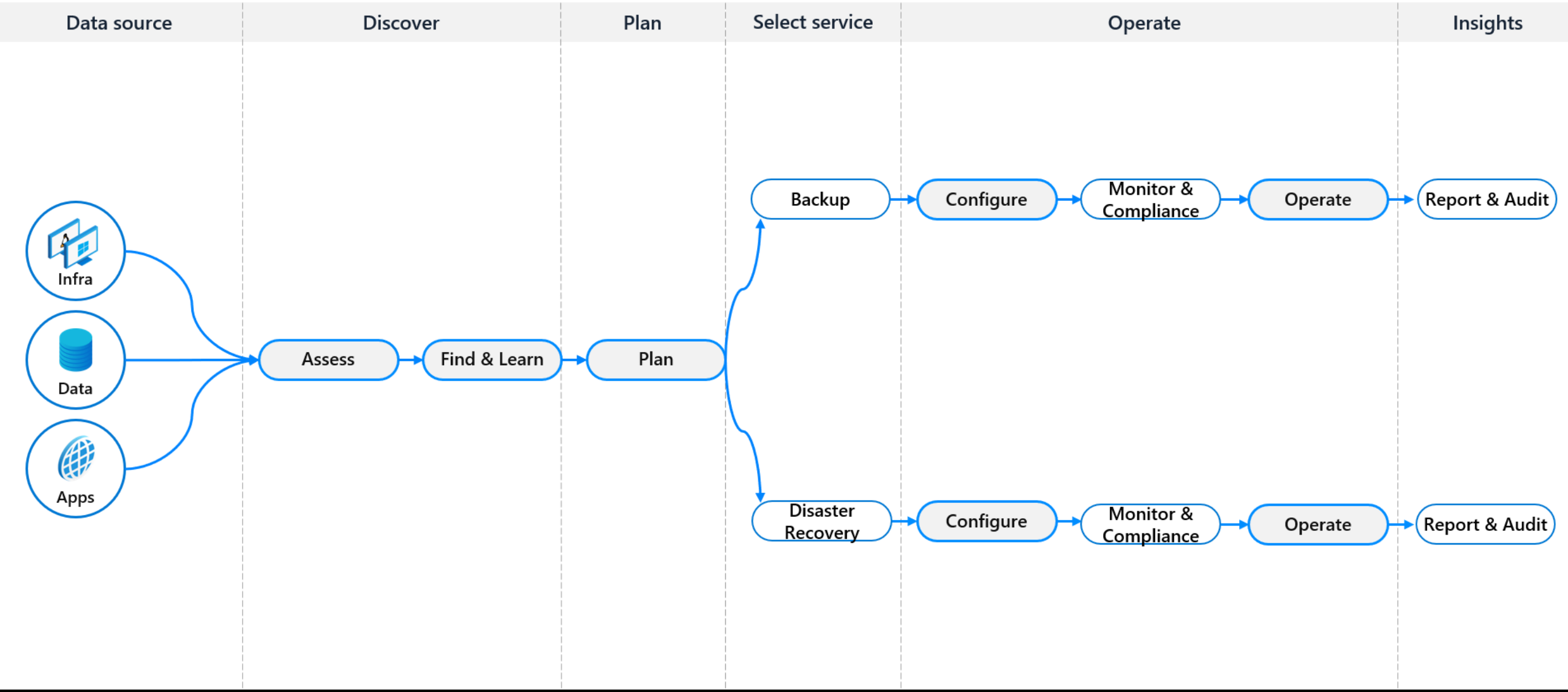
RTO and RPO targets

Keep recovery time objectives (RTO) and recovery point objectives (RPO) within organizational limits. Site Recovery provides near continuous replication for Azure VMs and VMware VMs, and replication frequency as low as 30 seconds for Hyper-V.

SMB disaster recovery with Azure Site Recovery



Customer journey




Thank You!
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Salamat Po
متشكرم
شكراً
Grazie
благодаря
ありがとうございます
Kiitos
Teşekkürler
谢谢
ขอบคุณครับ
Obrigado
شكريه
Terima Kasih
Dziękuję
Hvala
Köszönöm
Tak
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