Member of **T** Group

COSMOTE Cloud Services
Azure Backup
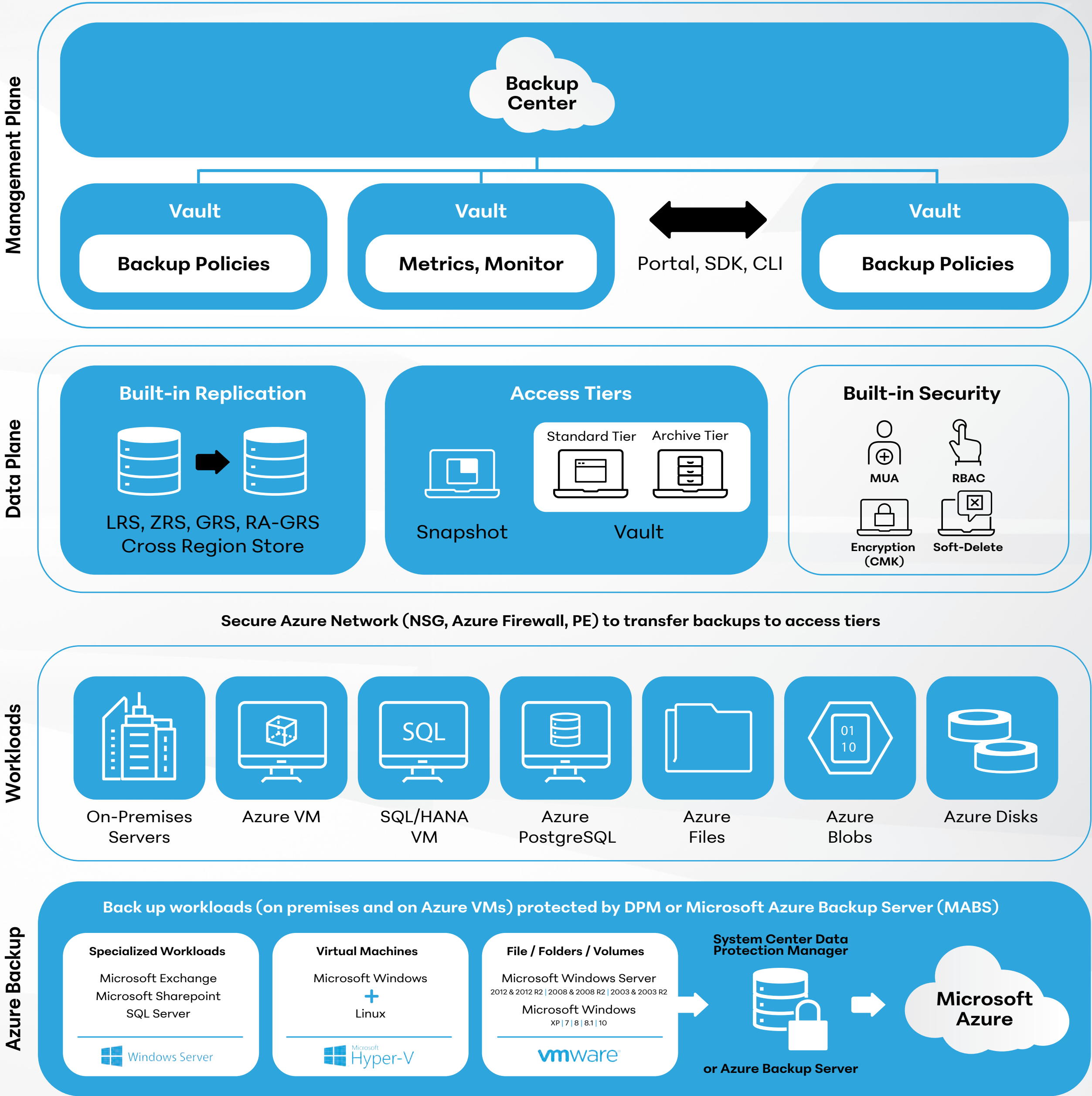
Microsoft
Solutions Partner

COSMOTE

Backup is all about Data Availability

Azure Backup is the service that you use to back up and restore your data in the Microsoft cloud. It replaces your existing on-premises or off-site backup solution with a cloud-based solution that is reliable, secure, and cost-competitive. It also helps protect assets that run in the cloud.

What can I back up?

- **On-premises** - Back up files, folders, system state using the Microsoft Azure Recovery Services (MARS) agent. Or use the DPM or Azure Backup Server (MABS) agent to protect on-premises VMs (Hyper-V and VMware) and other on-premises workloads

- **Azure VMs** - Back up entire Windows/Linux VMs (using backup extensions) or back up files, folders, and system state using the MARS agent.

## It supports both on-premises and cloud-based workloads

Management Plane

Backup Center

Vault — Backup Policies

Vault — Metrics, Monitor

Portal, SDK, CLI

Vault — Backup Policies

Data Plane

Built-in Replication
LRS, ZRS, GRS, RA-GRS Cross Region Store

Access Tiers
Standard Tier | Archive Tier
Snapshot | Vault

Built-in Security
MUA | RBAC | Encryption (CMK) | Soft-Delete

Secure Azure Network (NSG, Azure Firewall, PE) to transfer backups to access tiers

Workloads

On-Premises Servers | Azure VM | SQL/HANA VM | Azure PostgreSQL | Azure Files | Azure Blobs | Azure Disks

Azure Backup

Back up workloads (on premises and on Azure VMs) protected by DPM or Microsoft Azure Backup Server (MABS)

Specialized Workloads
Microsoft Exchange
Microsoft Sharepoint
SQL Server
Windows Server

Virtual Machines
Microsoft Windows
+
Linux
Microsoft Hyper-V

File / Folders / Volumes
Microsoft Windows Server
2012 & 2012 R2 | 2008 & 2008 R2 | 2003 & 2003 R2
Microsoft Windows
XP | 7 | 8 | 8.1 | 10
vmware

System Center Data Protection Manager

or Azure Backup Server

Microsoft Azure

Azure Backup
security capabilities

Azure Backup provides security capabilities to protect cloud backups. These security features ensure that customers are able to **secure their backups and recover data using cloud backups if production and backup servers are compromised.**

- **Prevention:** New authentication layer added for critical operations like Delete Backup Data, Change Passphrase. These operations now require Security PIN available only to users with valid Azure credentials.

- **Alerting:** Email notifications are sent for any critical operations that impact availability of backup data. These notifications enable users to detect attacks as soon as they occur.

- **Recovery:** Azure backup retains deleted backup data for 14 days ensuring recovery using any old or recent recovery points. Also, minimum number of recovery points are always maintained such that there are always sufficient number of points to recover from.
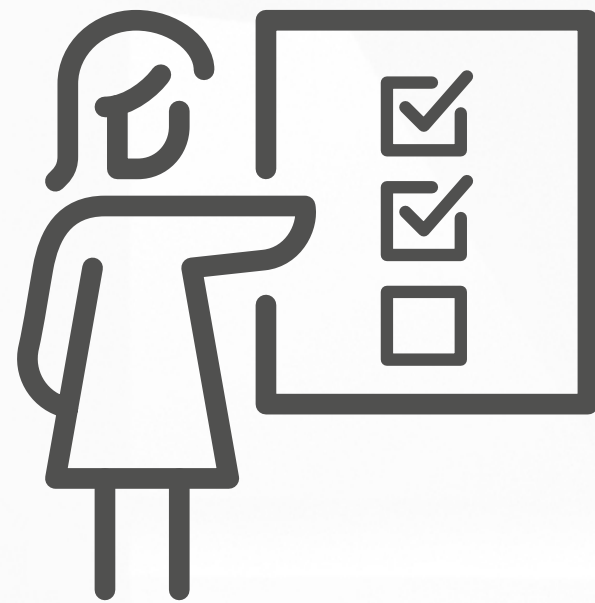
Prevention   Alerting   Recovery

Azure backup retains deleted backup data for 14 days ensuring recovery using any old or recent recovery points

Backup on-premises apps & data to Azure Blob Storage via third party solution

Azure Blob Storage is Microsoft's object storage solution for the cloud. Blob Storage is optimized for storing massive amounts of unstructured data. Unstructured data is data that doesn't adhere to a particular data model or definition, such as text or binary data

You can store backups of your on-premises workloads on Azure Blob using **third-party tools that support Azure Blob Storage connectivity,** allowing you to use Azure Storage's pay-per-use model to easily scale your backup infrastructure with durable, cost-effective storage. This includes support for virtual workloads, physical workloads, enterprise applications and unstructured data.

You must create and manage Azure Blob storage when using partner solutions.

Indicative 3rd party tools: Veeam, Veritas

Third-party tools that support Azure Blob Storage connectivity

Virtual Machines　　　　## 3rd Party Backup　　　　## Azure Blob Storage

Restore
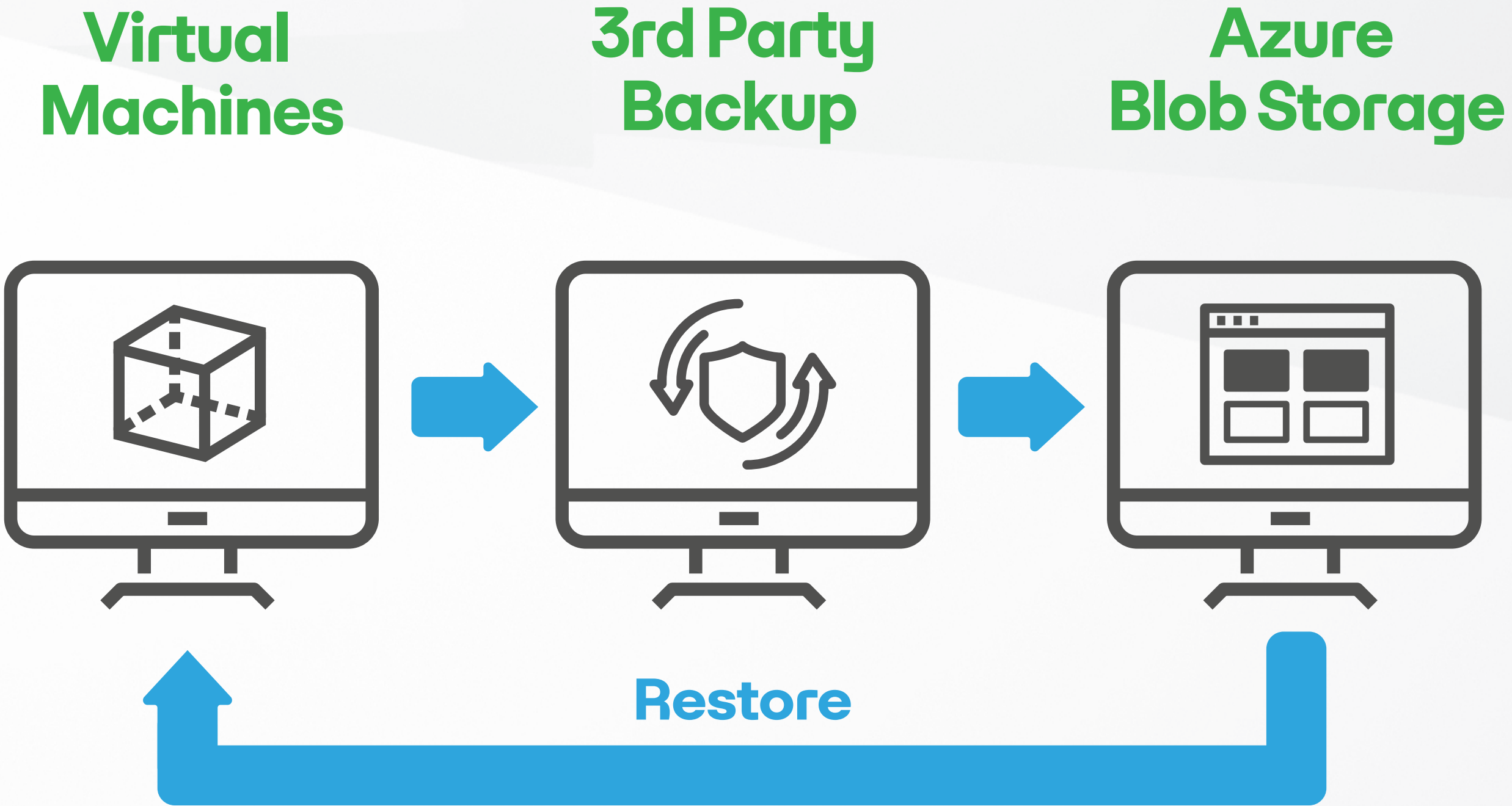
Use 3rd Party Backup Apps

Azure Backup

	Protected Capacity	Operational Support Hours/Year
Azure Backup Small	6 TB	15
Azure Backup Medium	13 TB	20
Azure Backup Large	21 TB	25

Azure Backup provides security capabilities to protect cloud backups

Thank you