

Azure Backup for Hybrid Environments and Enterprise Apps

Duration: 8 Weeks Implementation

Estimated Cost: \$50K

Azure Cloud is one of the major providers of public hosting resources. Hybrid environments and on-premises environments require extensive backups. Using Microsoft Azure Backup, you can back up files, folders, virtual machines, hypervisors, databases, bare metal, and system state in a hybrid scenario and on-premises. Besides Azure's native backup solutions, we also offer third-party backup solutions like Veeam, Commvault, etc. The SNP team can help you assess your source workloads, suggest the best solution, and implement it.

Does your organization like to:

1. Utilize the Backup as a service (BaaS) for your infrastructure and enterprise apps in Hybrid environment.
2. Minimizing the management overhead by using backup vaults
3. Requires infinite storage for your backup needs
4. Cost-effective backup solution with Long-term storage and archiving of backups
5. Reduced costs with Cloud tiering, deduplication, compression etc.
6. Azure Native PITR and Long-term retention options for Databases
7. Less overhead with restoring the data from the storage

Our 4-step approach will cover assuming landing zone setup is completed:

- ❖ Backup Discovery & Assessment
- ❖ Backup Planning and Design
- ❖ Solution Setup for Backup
- ❖ Documentation, Knowledge Transfer, and Day-2 support

Step 1: Backup Discovery & Assessment

SNP will work with Stakeholders & SME's from the customer team to understand below.

- Overview of customer business objective regarding backup solution.
- Overview of infrastructure that requires backup
- Walkthrough of existing backup solution and retention policies
- Identify the dependencies for backup infrastructure.
- Understand the application infrastructure and its backup objectives and availability.
- Understand the database workloads and backup requirements.
- Understanding the file server infrastructure and its backup requirements
- Understand the compliance needs w.r.t backup

Step 2: Backup Solution Assessment and Design

- Overview and whiteboard discussion of the backup solution on Azure offering, focusing on topics of business needs, solutions and strategy to implement for enterprise applications and databases.
- SNP's internal teams takes an iterative approach to brainstorm and finalize the design architecture in collaboration with your tech team to develop the Backup solution leveraging for below services:
 - Azure Backup Agent (MARS) for File/Folders, System State backups.
 - Azure Backup Server for backing up VM's in VMWare or HyperV.
 - Azure Backup server for databases related to Exchange, SQL and Sharepoint
 - Azure Backup for the Virtual Machines and SQL in Azure VMs.
 - Azure Backup for the Azure Files, Azure Disks and Azure Blobs
 - Azure database backup for the databases running on Azure VMs
 - Open Source Databases and Kubernetes backups.
- The high-level design provides with the blueprint for flexible and cost-effective backup solution for your organization in sync with your business objectives and recovery objectives.

Step 3: Solution Setup

- Deploy Azure Backup Vault and Create a backup policies based on customer requirements
- Deploy and configure the agents for file/folder backup on the VM's.
- Deploy and configure the required backend setup for enabling Azure Backup server for backup of other workloads
- Enable Backup of Databases like SQL, Exchange and SharePoint using the Azure backup server.
- Deploy Azure Backup Vault and Create backup policies based on customer requirements
- Deploy and configure the required backend setup for enabling backup for Azure Virtual Machines, SQL in Azure VMs, Azure Files, Azure Disks and Azure Blobs, Open Source Databases, and Kubernetes backups
- Monitor the backup status of all the resources part of this backup setup.
- Perform the test restore of files using the backup agent and backup servers.

Step 4: Documentation, Knowledge Transfer and Day-2 support

- Discovery and Planning documentation.
- Architecture design and planning documents.
- Implementation/as-built documents
- Knowledge Transfer and Day-2 Support
 - Hand over the documentation for review
 - Leverage SNP's Managed Operations Services for Day-2 support

About SNP

SNP's consulting services help businesses of all sizes transform with innovative, cloud-based solutions that harness the power of Microsoft Azure.

We combine elements from our [ISO certifications and Microsoft specializations](#) as well as the most efficient and innovative technology tools and platforms to help our clients become more agile, more customer focused and more operationally efficient.


Digital & App Innovation Azure

Specialist
Kubernetes on Microsoft Azure
Modernization of Web Applications


Data & AI Azure

Specialist
Analytics
Data Warehouse Migration

Member of
Microsoft Intelligent Security Association




**ISO 22301:2019:
Business Continuity Management System**


Security

Specialist
Cloud Security
Threat Protection


Infrastructure Azure

Specialist
Windows Server & SQL Server Migration
Azure Virtual Desktop
Networking Services


**ISO 20000-1:2018:
Service Management System**


**ISO 27001:2013:
Information Security Management System**