SNP technologies inc.

Backup of Enterprise Apps and Infrastructure in Hybrid Environments

8 Weeks Implementation

Azure Cloud is a major provider of public hosting resources. Managing on-premises and hybrid environments requires a lot of backup. Azure backup has various options for hybrid scenarios and on-premises, including File/Folder, Virtual Machine, Hypervisor (VMware/HyperV), Database, Bare metal, and System State backups. SNP offers Azure's native backup solutions as well as third-party backup solutions such as Veeam and Commvault. You can rely on SNP to assess the source workloads, suggest the best solution, and implement the chosen solution.

Does your organization like to:

- Utilize the backup as a service (BaaS) for your infrastructure and enterprise apps in hybrid environment.
- Minimize the management overhead by using backup vaults.
- Require infinite storage for your backup needs.
- Cost-effective backup solution with Long-term storage and archiving of backups.
- Reduce costs with Cloud tiering, deduplication, compression etc.
- Leverage Azure Native PITR and Long-term retention options for the database.
- Reduce overhead by restoring the data from the storage.

Once the landing zone setup is completed, our 4-step approach will cover:

- 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.
- Understating 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 Technologies Inc.

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.

Microsoft Solutions Partner
Data & AI Azure

Specialist
Data Warehouse Migration
Kubernetes on Azure
Analytics
Infra and Database Migration
Migrate Enterprise Apps to Azure

Microsoft Solutions Partner
Digital & App Innovation Azure

Specialist
Kubernetes on Microsoft Azure
Modernization of Web Apps
DevOps with GitHub
Migrate Enterprise Apps to Azure

Member of
Microsoft Intelligent Security Association
Microsoft

ISO Certifications:

ISO 22301:2019:
Business Continuity Management System

Microsoft Solutions Partner
Infrastructure Azure

Specialist
Azure VMware Solution
Networking Services
Infra and Database Migration
Azure Virtual Desktop

Microsoft Solutions Partner
Security

Specialist
Cloud Security
Threat Protection

ISO 20000-1:2018:
Service Management System

ISO 27001:2013:
Information Security Management System

MICROSOFT PARTNER AWARDS:

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2023 PARTNER OF THE YEAR **FINALIST**
Security

Microsoft Partner
2021 MSUS PARTNER OF THE YEAR WINNER
Business Excellence in Solution Assessments

Microsoft Partner
2019 MSUS PARTNER OF THE YEAR WINNER
Intelligent Cloud & OSS on Azure

Microsoft Partner
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Solution Innovation on Microsoft Azure Award

Let's move forward together with confidence. We're here to help at every step.
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