**Architecting Hybrid Solutions**

**Azure Backup Demo**

# Objective

The objective of this demo is to demonstrate Azure Backup Server (DPM) backing up a protection group of servers to the Azure backup vault.

# Prerequisites

1. An Azure subscription
2. A storage account in the same region as the Azure Backup Vault
3. A few Azure VMs to act as protection group members
4. One VM to act as the Azure Backup Server

# Preparation

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| Step | Description | Action/instruction | Screenshot |
| 1 | Create a Azure Backup Vault | Log in to the Azure Management Portal |  |
| 2 | Configure for Backup Vault operations | Click on the name of your Azure Backup Vault and follow the steps on the screen to download vault credential |  |
| 3 | Generate and save the vault credential | Click on the **Download vault credentials** link and click **Save As** when prompted, to a folder of your choice |  |
| 4 | Download the Azure Backup Server (DPM and agent | Click on the link **For Application Workloads (Disk to Disk to Cloud)** |  |
| 5 | Unzip the downloaded binaries | Double click the exe file it will expand into a large folder structure |  |
| 6 | Install the Backup Server application | Run the setup.exe to install the DPM application onto a VM of your choice. This VM is the one that acts as the Azure Backup Server |  |
| 7 | Installation complete | Check for icons on desktop |  |
| 8 | Register the Backup Server | User the **Register Server** Wizard. Leave proxy **unchecked, Next.** Browse to the folder where you saved the credential a while ago. Step through with no setting on **Throttling** |  |
|  | Configure recovery staging folder | Select a folder with sufficient storage for the recovery you intend to do |  |
|  | Enter pass phrase | Click **Register** to run |  |

# Create a protection group

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| --- | --- | --- | --- |
| Step | Description | Action/Instruction | Screenshot |
| 1 | Create new protection group | Click **Protection** and select **New** (upper left folder), select **Servers** |  |
| 2 |  | Choose servers from your infrastructure to protect. Expand and check items for protection |  |
| 3 |  | Choose both **Disk** and **Online** protection |  |
| 4 |  | Click Next. |  |
| 5 |  | Take the default of **automatically over the network** |  |
| 6 |  | Take this default. Click **Next** |  |
| 7 | Protect your data | Select data you need to protect.  Then select backup schedule and retention for what is appropriate to you |  |
| 8 |  | Choose replicate automatically over network |  |
| 9 |  | Review summary and click **Create Group** |  |

# Demonstration

The whole point about Backup is to recover. This demo will show how to use DPM to recover a file

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| Step | Action | Screenshot |
| 1 | From the Azure Backup Server (DPM), Choose **Recovery** (lower left). Choose the protected volume C of the SAPDC server. Select the file BOOTSECT.BAK. Click **Recover** (upper left) |  |
| 2 | Choose **Recover to the original location** |  |
| 3 | To avoid overwriting needed files, say ‘**Create Copy**’ |  |
| 4 | Review summary and click **Recover.** |  |
| 5 |  |  |