

Create and Restore File Share Snapshots in Azure

Introduction

Your company needs to ensure that backups are in place for all Azure file shares. Because employees are often modifying files within the file share, file versioning is also important. To test functionality, you are tasked with taking a snapshot of a file share and restoring it to your Windows machine.

Solution

Log in to the Azure Portal using the credentials provided on the lab instructions page.

Create a Storage Account and File Share

1. In the Azure Portal, Click **Storage account**, and create a new storage account.
2. Set the following values, and leave everything else as default:
 - *Subscription*: Use existing
 - *Resource Group*: Use existing resource group
 - *Storage account name*: Enter in a globally unique name
 - *Location*: Set to the same location as the existing resource group
 - *Performance*: Standard
1. Once the storage account has been deployed successfully, click **Go to resource**.
2. Create a file share named `fileshare1` with a `6 GiB` quota.

Connect File Share to Windows VM

1. In Virtual Machines, select the `winVM` virtual machine, and click **Connect** using RDP.
2. Connect to the Windows VM using an RDP client.
3. Once connected, search for Windows Firewall and open it.
4. Right-click on the `Windows Firewall with Advanced Security on Local Computer` line and choose `Properties`.
5. Turn the Firewall state to `Off`. Click `Apply` and then `Ok`.
6. Search for Windows PowerShell and run as administrator.

7. In the Azure portal, click **Storage accounts**.
8. Select *fileshare1*, click **Connect** and copy the PowerShell script.
9. Paste the PowerShell script in the Windows VM PowerShell session to connect the file share.

Take a Snapshot and Restore Data

1. In the newly added Z drive, create a new .txt file named *ACG*.
2. In the Azure portal, verify that the *ACG.txt* file was added to the file share successfully.
3. In the left-hand menu, click **Snapshots** to take a new snapshot.
4. In the Windows VM, change the file *ACG.txt* in some way, and save the changes.
5. To restore the previous version, right-click the Z drive, and select **Restore previous versions**.
6. Select the snapshot from the list and click **Open**.
7. To restore the file, drag and drop the file to the Windows VM desktop.