

RDS with Folder Backup into Azure

Prepared for

Service Providers

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Revision and Signoff Sheet

Change Record

Date	Author	Version	Change Reference
March 16, 2018	Manish Dhall	1.0	Initial draft for review/discussion

Reviewers

Name	Version Approved	Position	Date

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Introduction

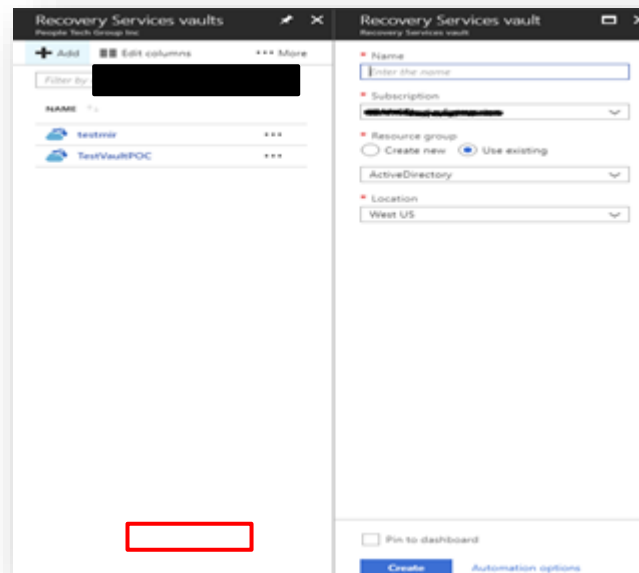
Azure Backup is a part of Azure Recovery Services that provides simple and reliable ways to manage and protect Azure data. Azure Backup offers bottomless storage and long-term retention, making it a cost-effective alternative to tape for offsite backup operations. Integrated tightly with the existing Microsoft Data Protection tools, Azure Backup offers protection to a wide range of Microsoft Work Loads.

Prerequisites

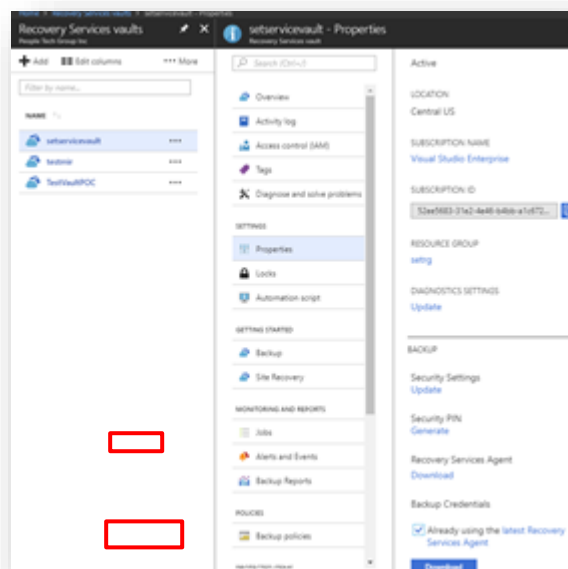
- The User must have an Azure subscription with owner permission

Deployment Steps

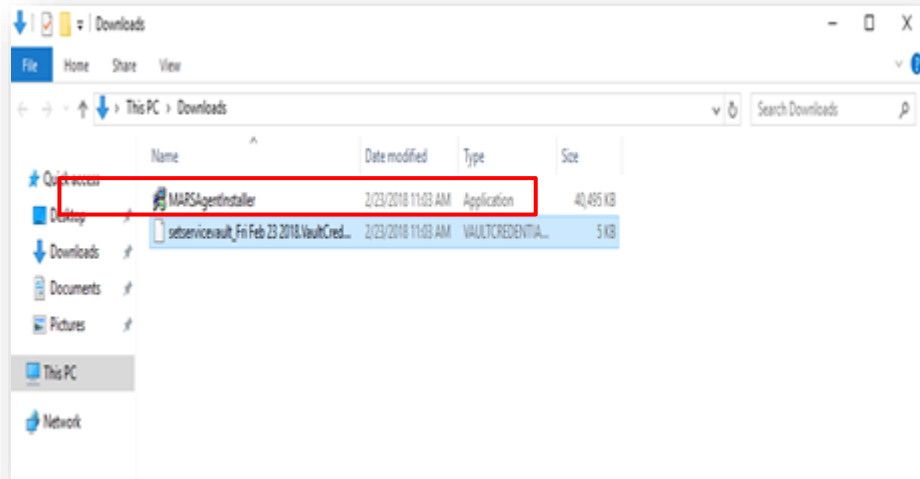
1. Login in to the **Azure portal** at <https://portal.azure.com>
2. Search for **Recovery Service Vault** from **All Services**
3. Create a **Recovery Service Vault** account



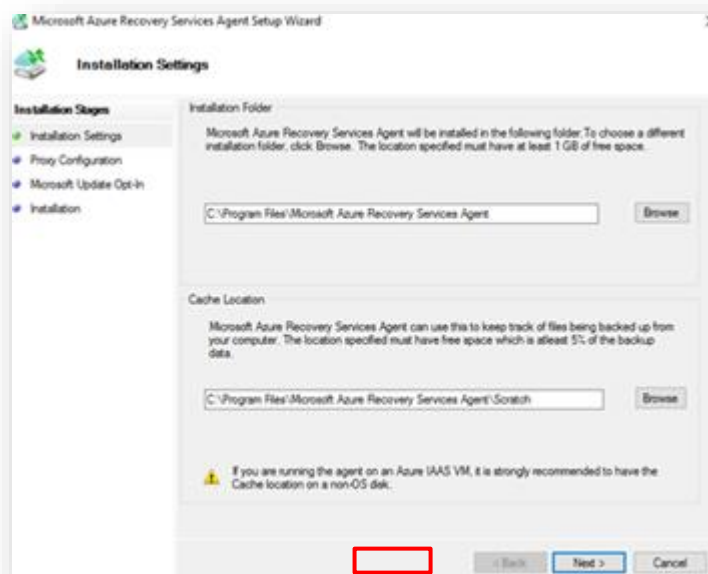
4. Select the **Properties** menu from a subsequent blade
5. Download **Recovery Service Agent** and **Backup Credentials**



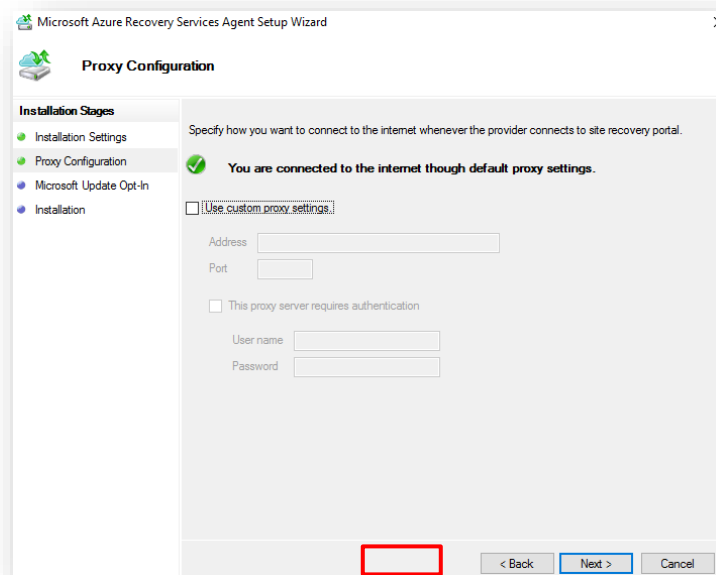
6. Login to the VM where you want to enable backup
7. Copy the downloaded **Recovery Service Agent** and **Backup Credentials** files to the VM
8. Install the **Recovery Service Agent** .msi file



9. Click **Next**

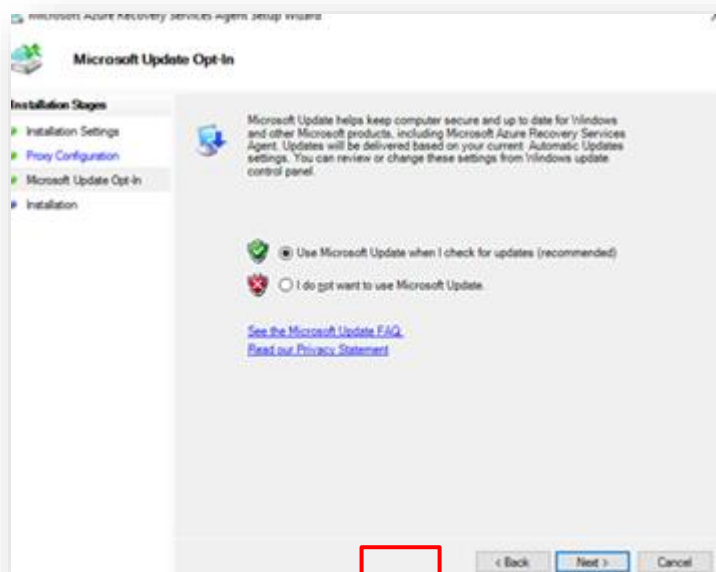


10. Click **Next**

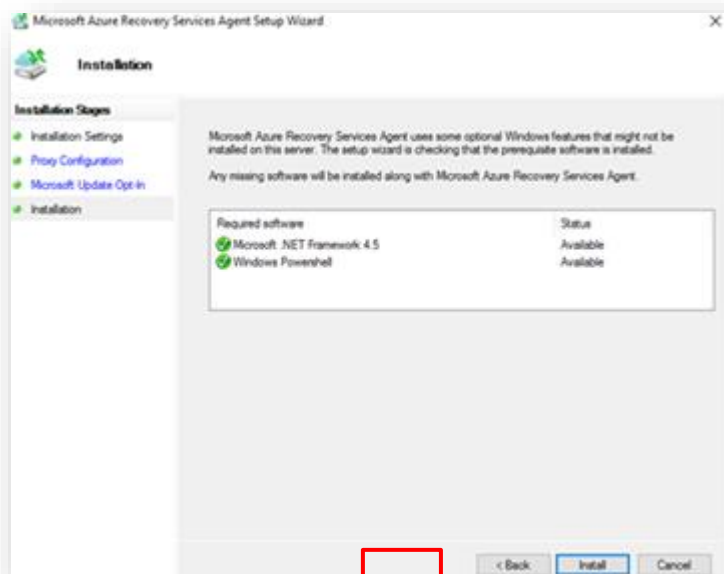


11. Specify **Use Microsoft Updates**

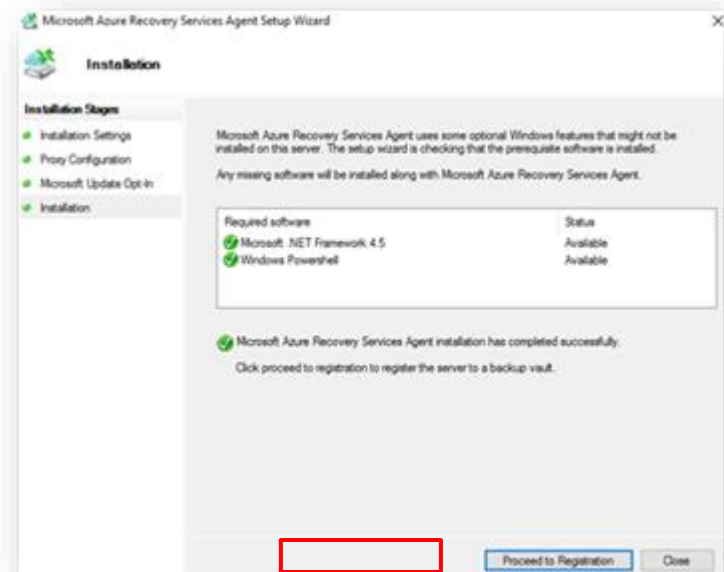
12. Click **Next**



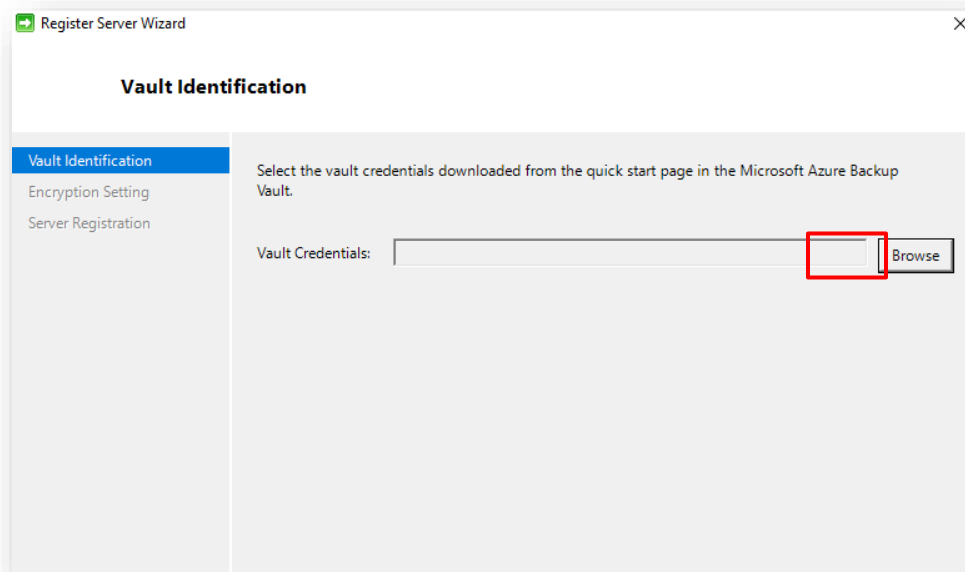
13. Click **Install**



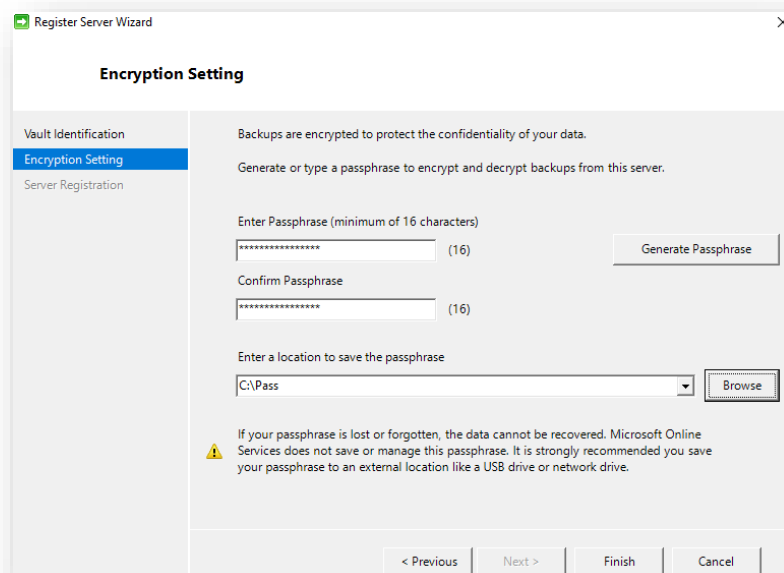
14. After installation, click **Proceed to registration** to register the VM for backup



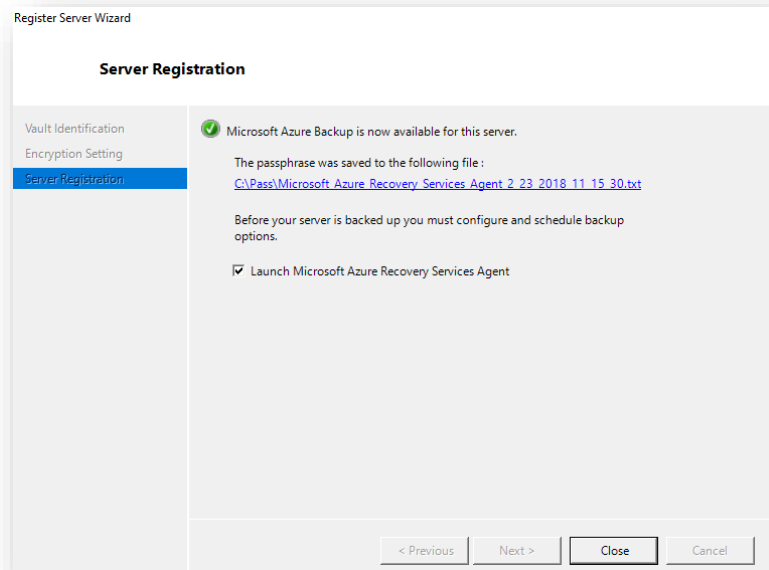
15. Browse to the **Backup Credentials** file, then click **Next**



16. On the **Encryption settings** page, specify an encryption passphrase and save it in a safe location. This encryption passphrase is going to be used by the backup agent while it sends backup data



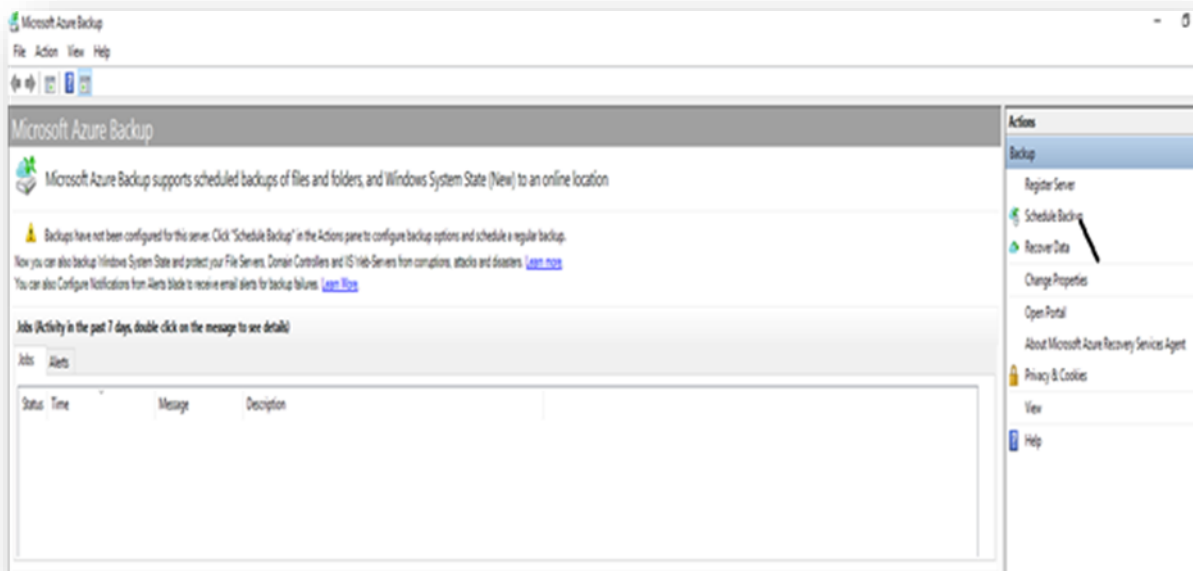
17. After server registration completes, click **Close**

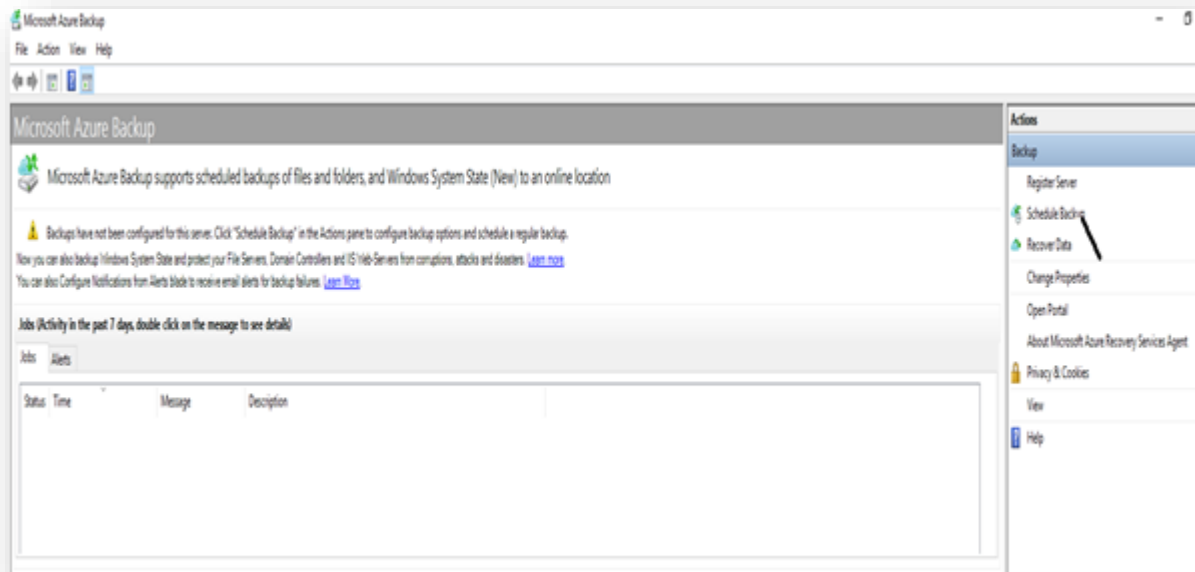


18. Launch the **Microsoft Azure Recovery Service Agent**

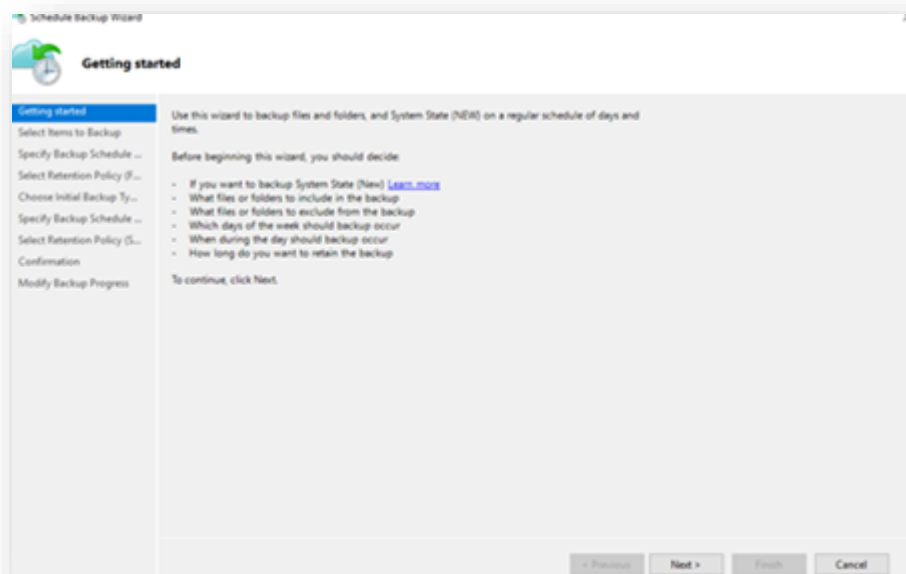
19. In the **Microsoft Azure Backup** window, click **Schedule Backup** on the right-side **Actions** panel. It will open a new child window

20. Click **Next**

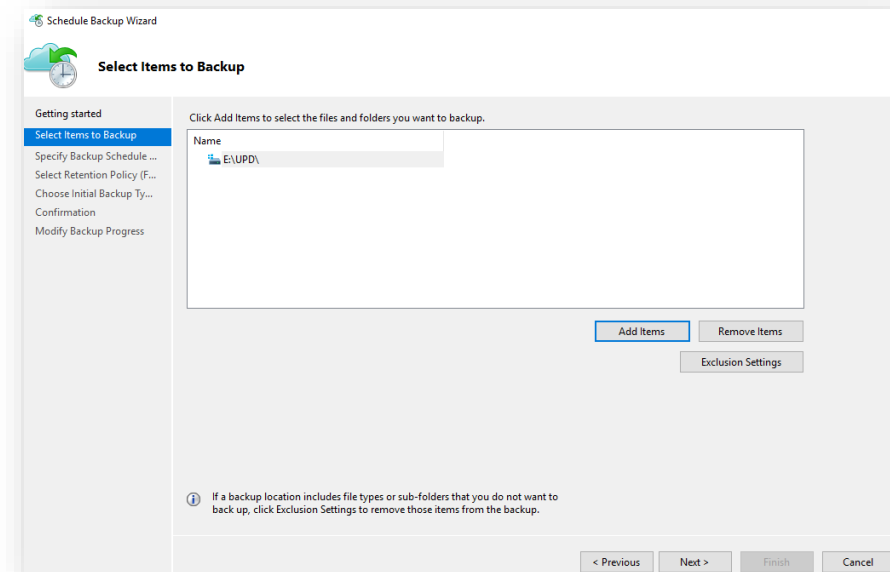




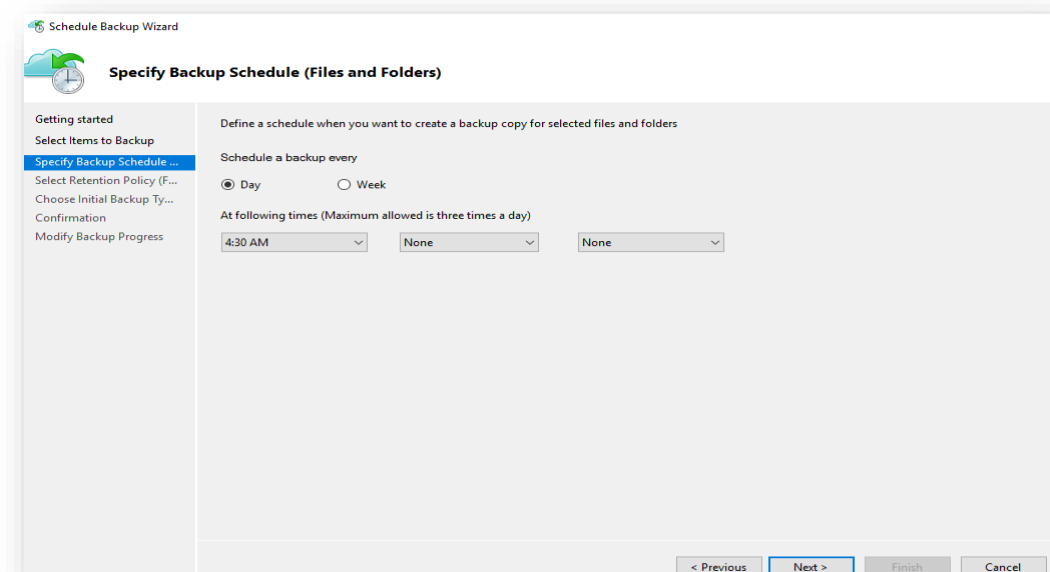
21. Click **Next**



22. Click **Add Items** and specify your drives or folders or files to enable backup
23. Click **Next**



24. Specify a **Backup Schedule**
25. Click **Next**



26. Specify a Retention Policy

27. Click **Next**

The screenshot shows the 'Select Retention Policy (Files and Folders)' step in the 'Schedule Backup Wizard'. The left sidebar contains a list of steps: 'Getting started', 'Select Items to Backup', 'Specify Backup Schedule ...', 'Select Retention Policy (Files and Folders)', 'Choose Initial Backup Ty...', 'Confirmation', and 'Modify Backup Progress'. The main area is titled 'Specify the retention policy for the backup copy of files and folders'. It features three checked options: 'Daily Retention Policy', 'Weekly Retention Policy', and 'Yearly Retention Policy'. Each option has a 'Retain backup copies taken on' dropdown menu and a 'Modify' button. The 'Daily' policy is set to 'At 4:30 AM for 180 Days'. The 'Weekly' policy is set to 'Saturday' at '4:30 AM for 104 Weeks'. The 'Monthly' policy is set to 'Saturday of Last Week' at '4:30 AM for 60 Months'. The 'Yearly' policy is set to 'Saturday of Last Week of March' at '4:30 AM for 10 Years'. At the bottom, there are buttons for '< Previous', 'Next >', 'Finish', and 'Cancel'.

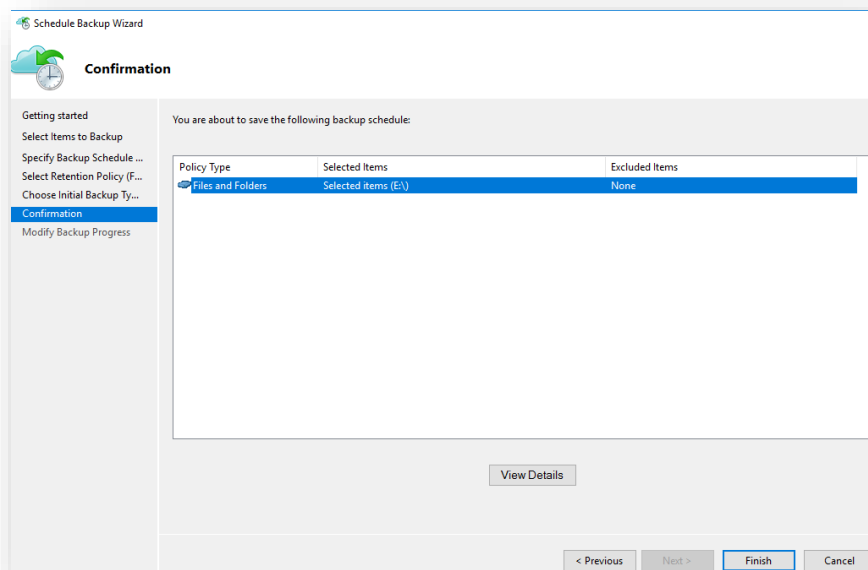
28. Make sure to click **Automatically over the network**

29. Click **Next**

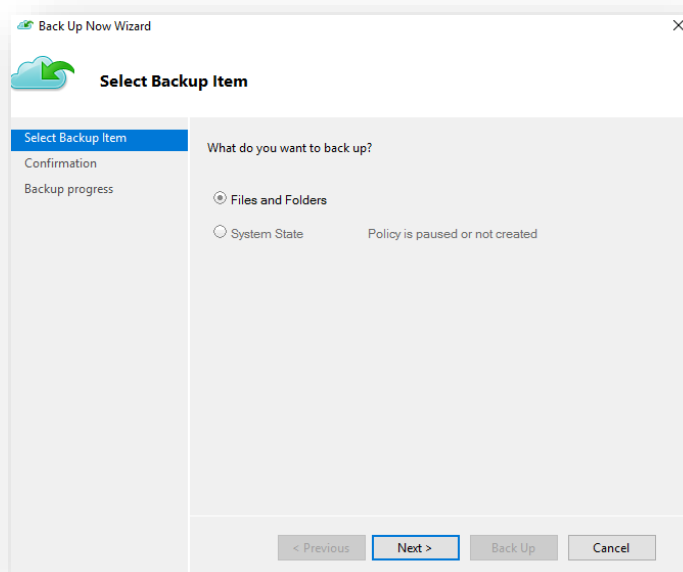
The screenshot shows the 'Choose Initial Backup Type (Files and Folders)' step in the 'Schedule Backup Wizard'. The left sidebar is the same as the previous step. The main area is titled 'Specify the option to be used by Azure Backup to create initial backup copy.' It has two radio buttons: 'Automatically over the network' (which is selected) and 'Offline Backup'. Below the 'Offline Backup' option, there is a link to 'To create an offline backup, please read the instructions for the Import workflow [here](#)'. The 'Automatically over the network' option has several fields: 'Staging Location' (with a 'Browse' button), 'Azure Publish Settings' (with a 'Browse' button), 'Azure Import Job Name' (with a text input field), 'Azure Subscription ID' (with a text input field), 'Azure Storage Account' (with a text input field), and 'Azure Storage Container' (with a text input field). At the bottom, there is an information icon and a message: 'Offline Backup is not supported for System State backups.' At the bottom right, there are buttons for '< Previous', 'Next >', 'Finish', and 'Cancel'.

30. Click **Finish**

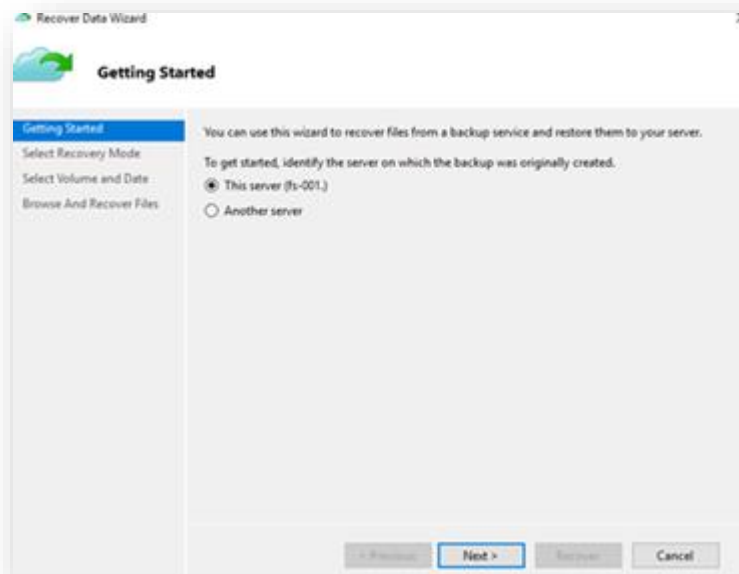
31. Close the window



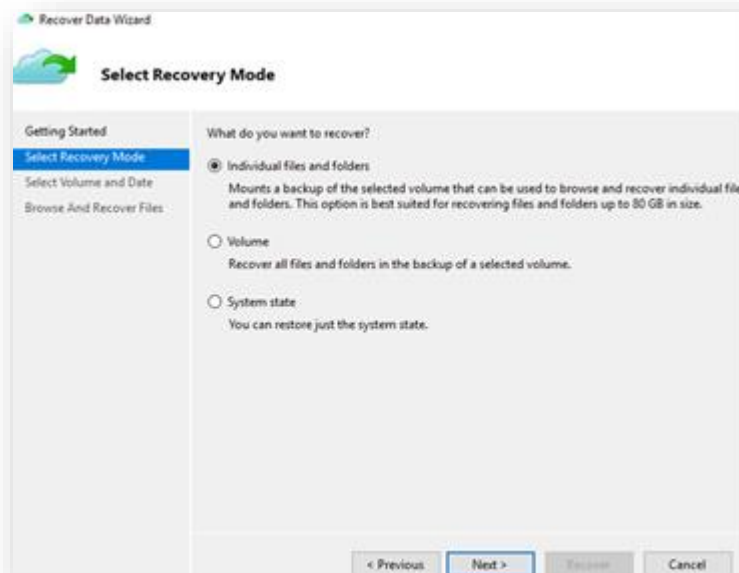
32. Click **Back Up Now** from the right-side **Actions** panel to initiate a backup at any time



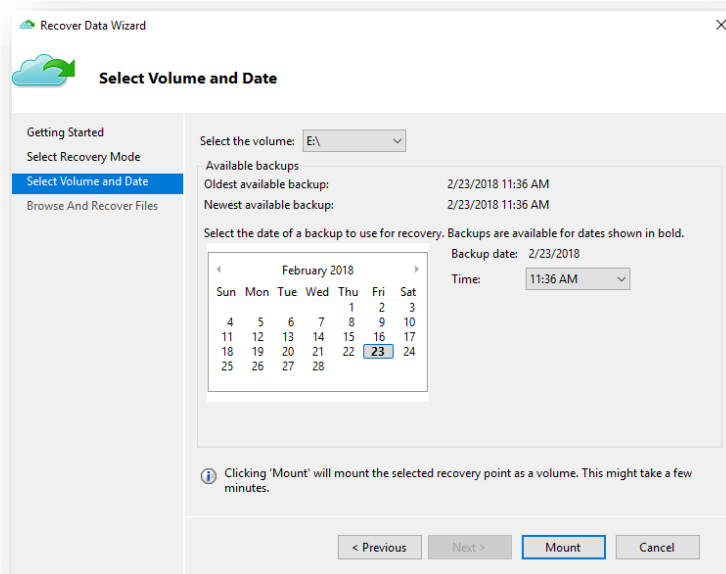
33. Click **Recover Data** from the right-side **Actions** panel
34. Specify **This server**
35. Click **Next**



36. Specify **Individual files and folders**
37. Click **Next**



38. Specify a **Volume (drive)**, specify a restore point, then click **Next**
39. Click **Mount**
40. Based on the data and file size, the time it takes to mount will vary
41. Click **Browse** to copy the recovered file/folder/disk manually to its required location or click **Unmount** to automatically replace the original data with the recovered data



References

<https://docs.microsoft.com/en-us/azure/backup/>