

Deploy EWP on MS Azure

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About This Document

This document describes how to deploy Elastic Workload Protector(EWP) on Microsoft Azure using a shared disk of EWP on Azure.

For support information, visit <https://www.outpost24.com/support>

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1 Introduction

This document describes how to deploy Elastic Workload Protector(EWP) on Microsoft Azure using a shared disk of EWP on Azure.

This can be achieved with the following steps:

1. Get the shared disk of EWP
2. Create an Image of EWP using the shared disk
3. Start an instance of the newly created Image of EWP

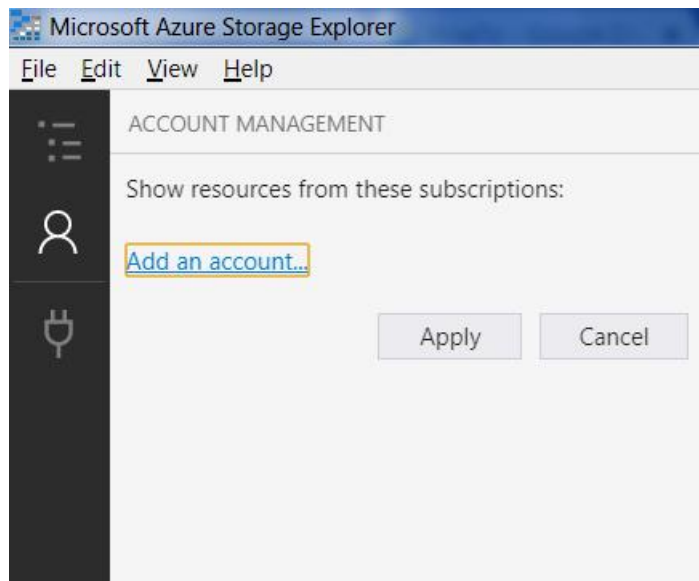
2 Prerequisites

- ▶ Contact Outpost24 to get a temporary access to EWP shared disk on Azure.
- ▶ Download Microsoft Azure Storage Explorer, using the following link:
<https://azure.microsoft.com/en-us/features/storage-explorer/>

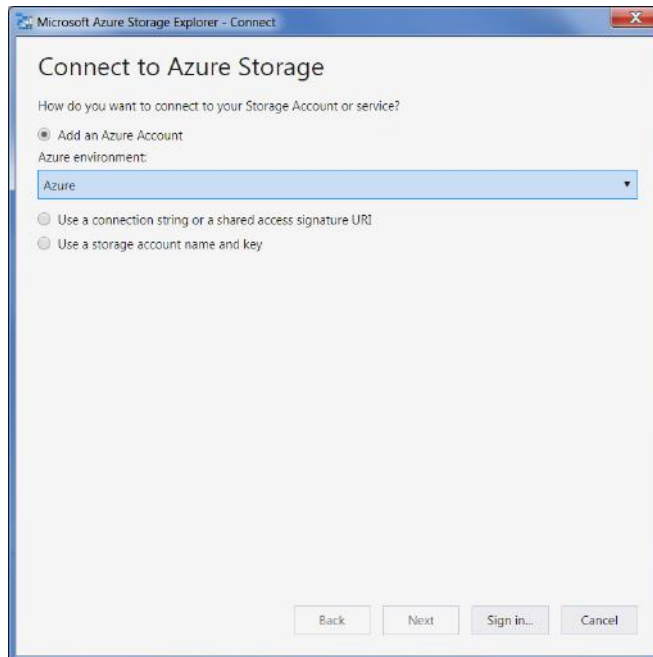
3 Get the Shared Disk of EWP

Using the information provided by Outpost24 for accessing the shared disk of EWP, copy this shared disk to a dedicated storage on Azure account using *Azure storage Explorer*.

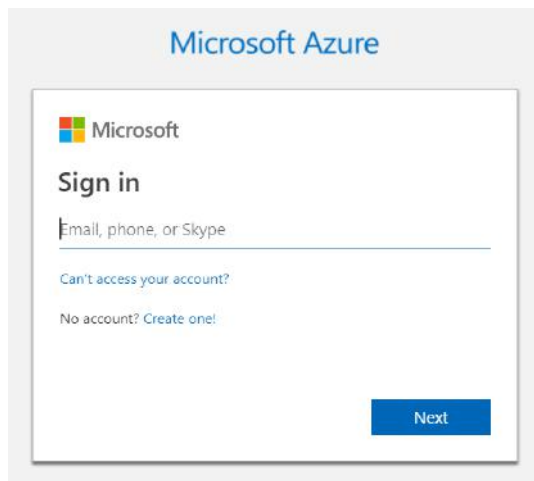
1. To do so, launch *Azure Storage Explorer* and connect to your Azure account using the **Add an account** in *Account Management*.



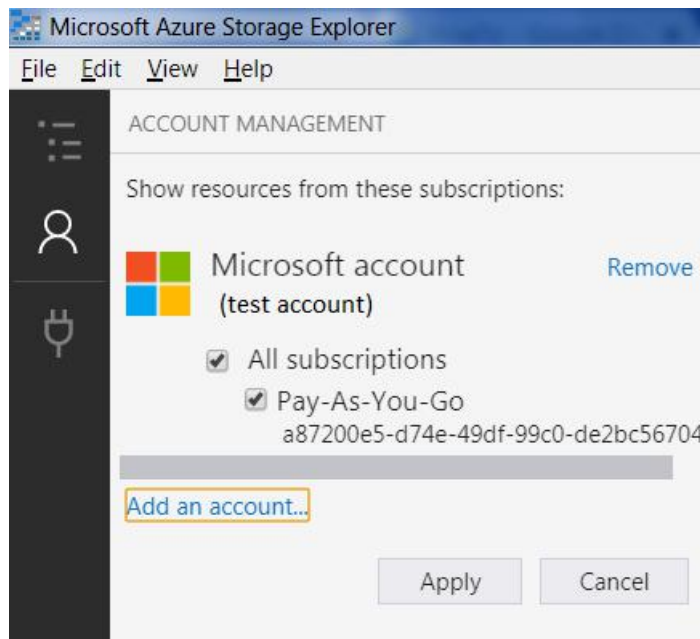
2. Select **Add an Account** in the top left corner and click on **Sign In** button in the bottom right corner.



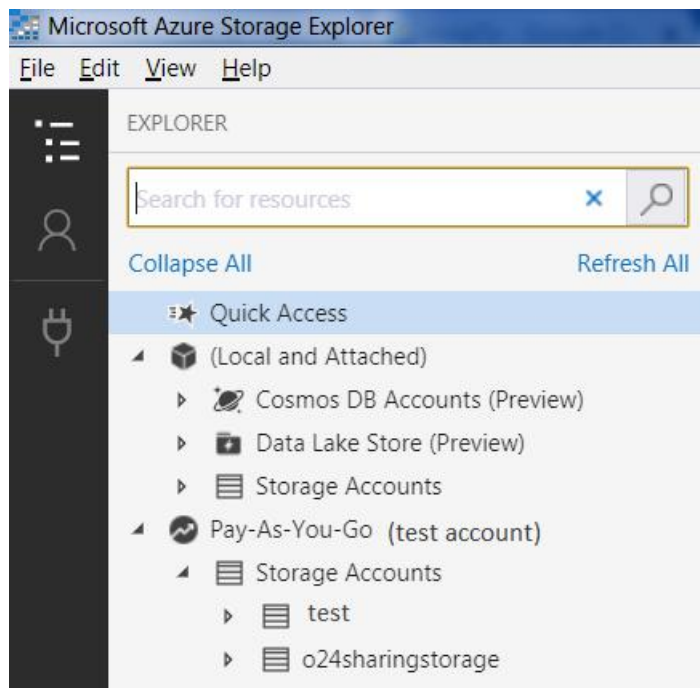
3. Enter your Azure account information and click **Next** to connect.



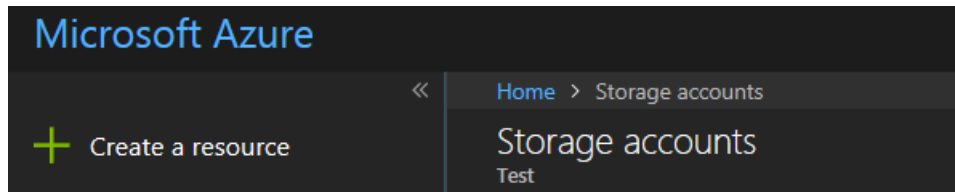
- Once *Azure Storage Explorer* is connected to your account, you can see the Azure account information.



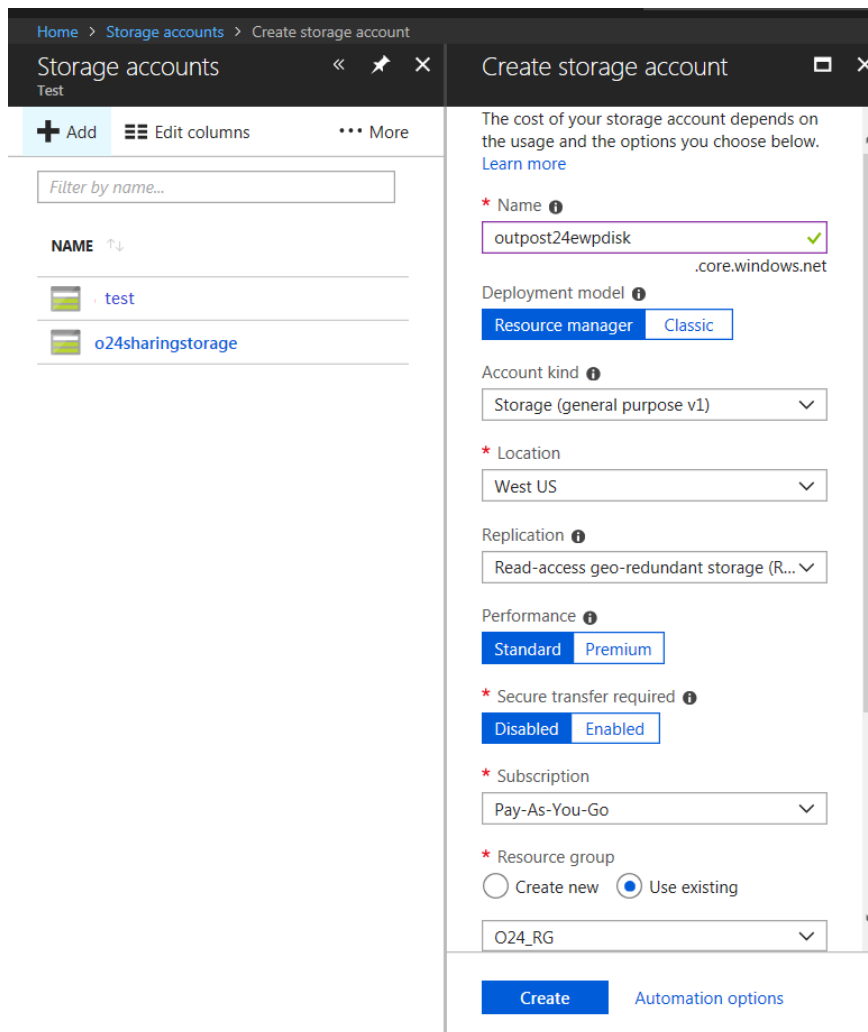
- Click on the top left corner on **Toggle Explorer** to access the storage of your Azure account.



- In the Azure portal, go to your storage account and create a dedicated storage account to copy the shared EWP disk.

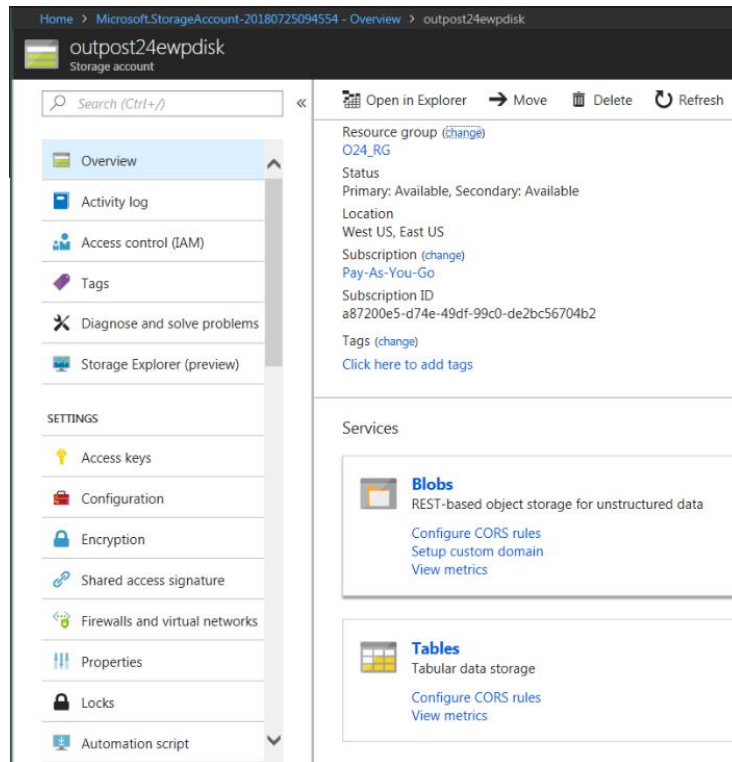


- Click on **Add** button in the top left corner.

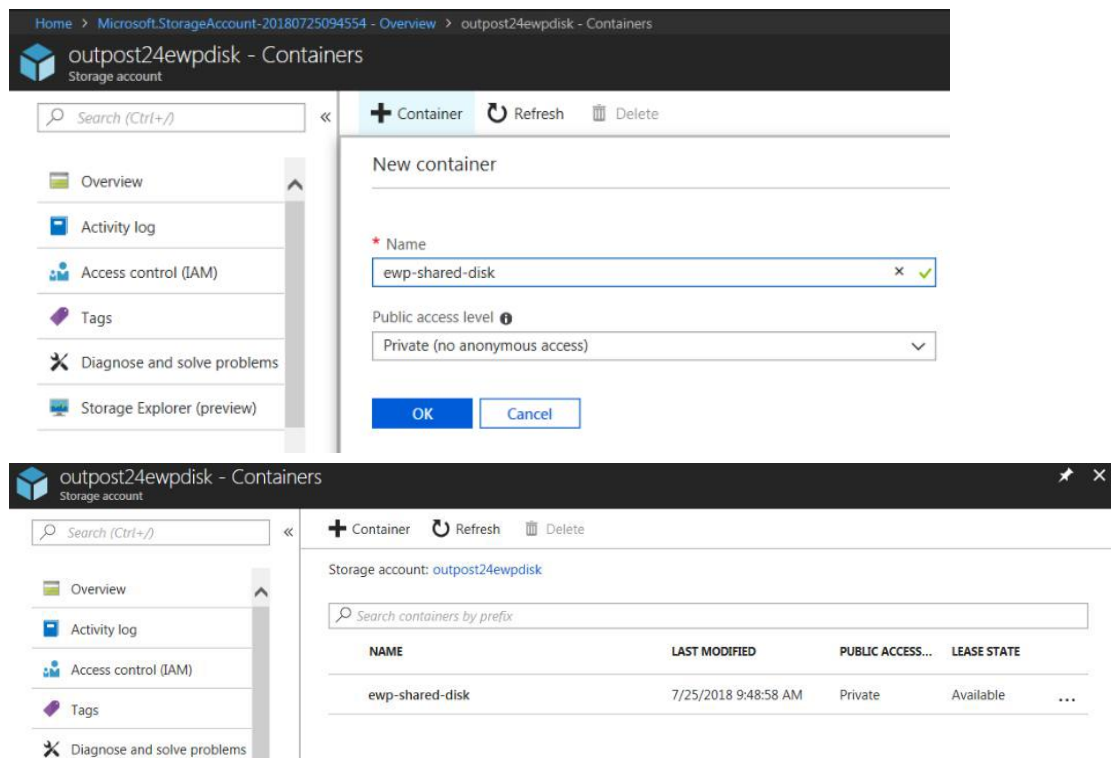


- Choose a name for this dedicated storage and then click **Create** on the bottom.
Note: The process can take a few minutes to deploy the storage account.

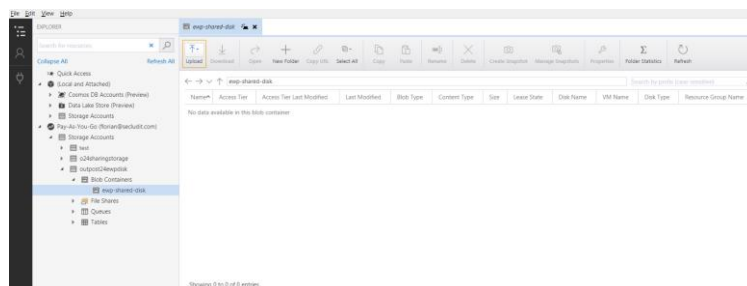
9. Once this is done, click on the storage you just created.



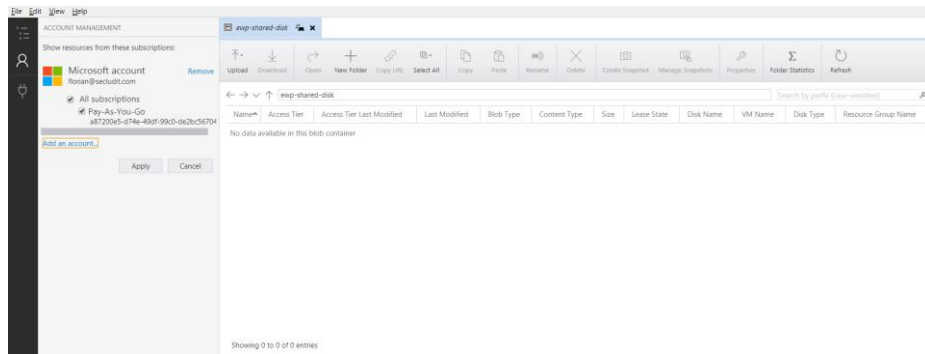
- Click on **Blobs** to create a blob container for copying the shared disk of EWP.



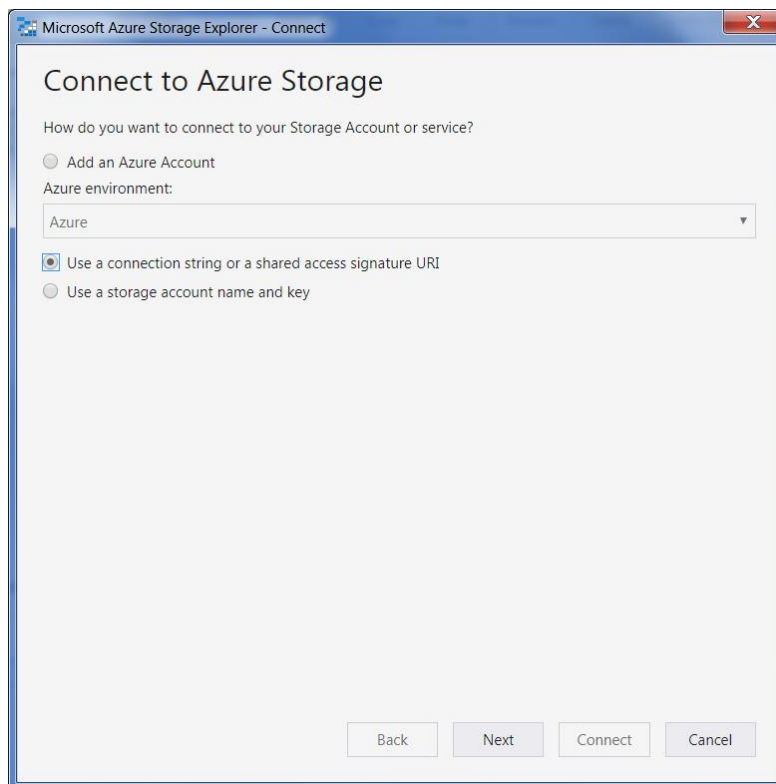
- Then go to *Azure Storage Explorer* and just refresh your storage account to view the newly created storage.



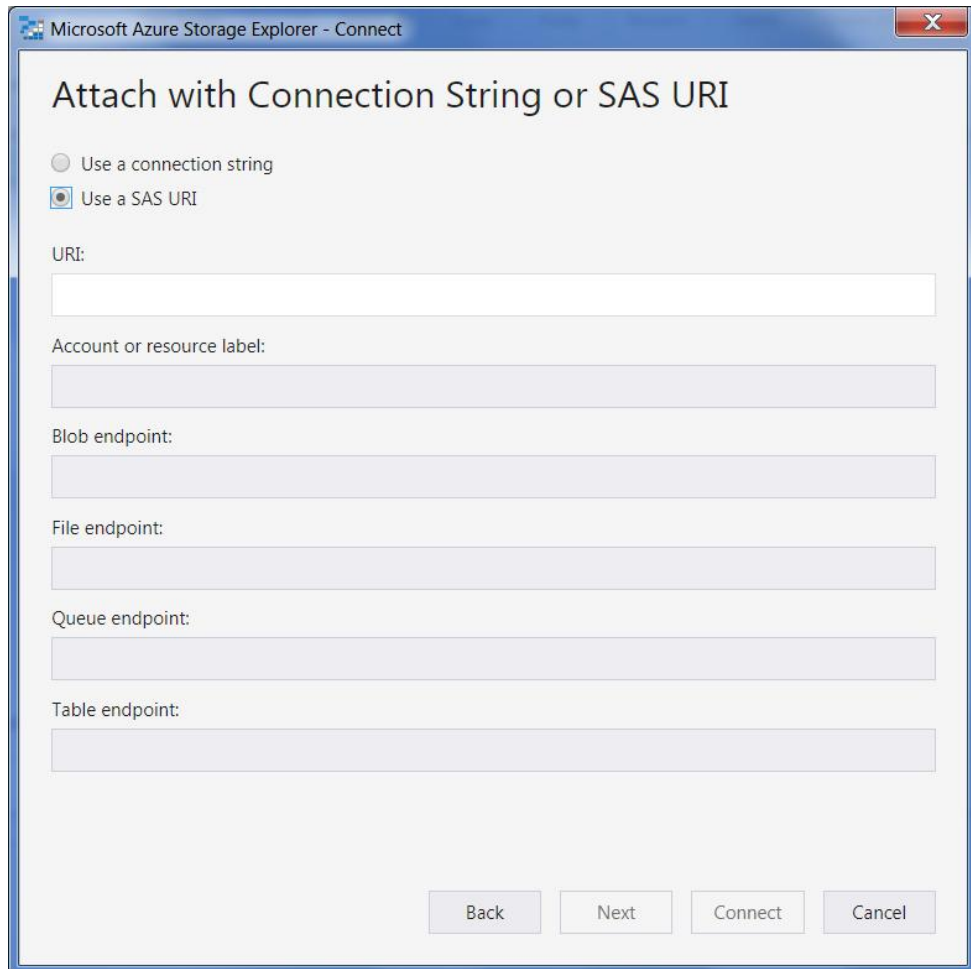
- To copy EWP shared disk, enter the parameters in the *Account Management* part of Azure Storage Explorer.



- Click on **Add an account.**

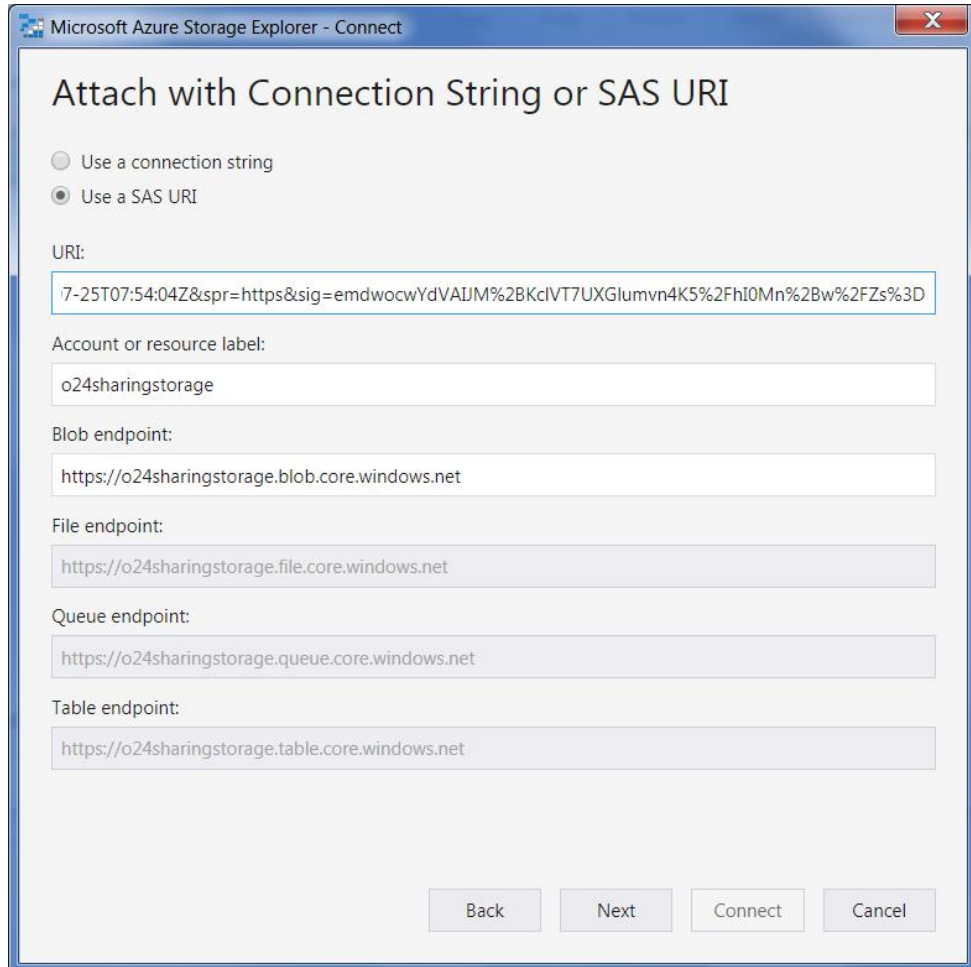


14. Select **Use a connection string or a shared access signature URI**.



The screenshot shows a dialog box titled "Microsoft Azure Storage Explorer - Connect" with a close button (X) in the top right corner. The main heading is "Attach with Connection String or SAS URI". There are two radio buttons: "Use a connection string" (unselected) and "Use a SAS URI" (selected). Below the radio buttons are several input fields: "URI:", "Account or resource label:", "Blob endpoint:", "File endpoint:", "Queue endpoint:", and "Table endpoint:". At the bottom right, there are four buttons: "Back", "Next", "Connect", and "Cancel".

15. Select **Use a SAS URI** and enter the parameters given by Outpost24.

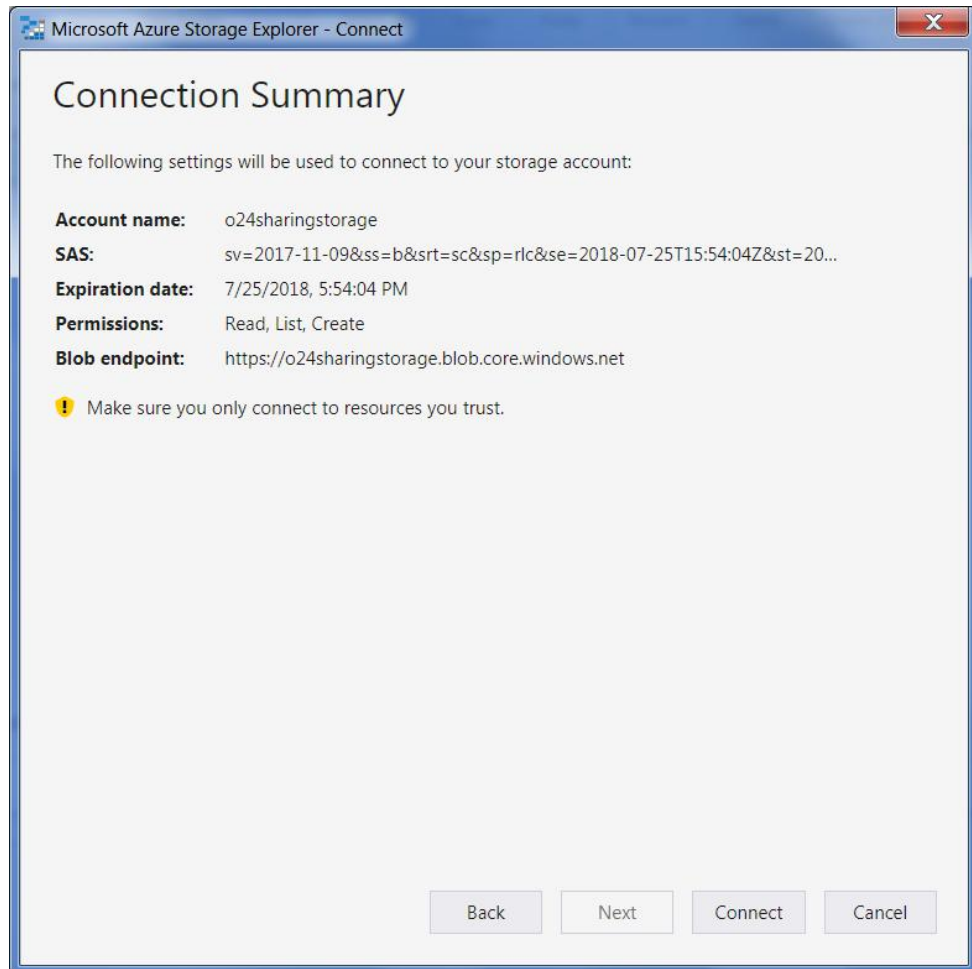


The screenshot shows the 'Microsoft Azure Storage Explorer - Connect' dialog box. The title bar includes the application name and a close button. The main heading is 'Attach with Connection String or SAS URI'. There are two radio buttons: 'Use a connection string' (unselected) and 'Use a SAS URI' (selected). Below the radio buttons, there are several input fields with labels and pre-filled values:

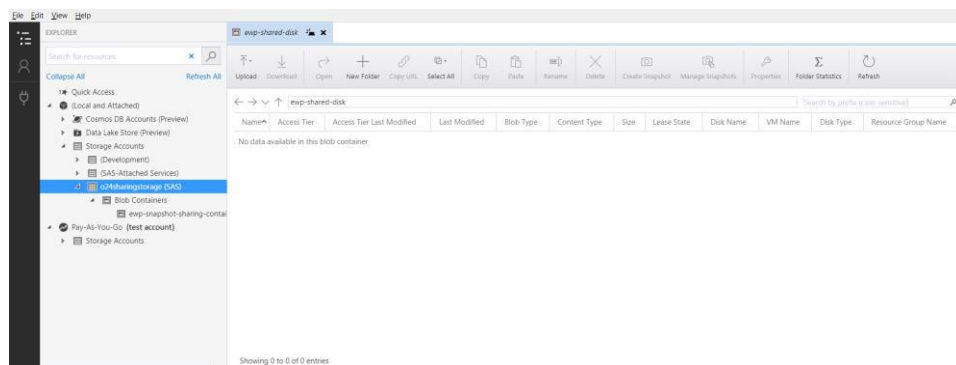
- URI:** /7-25T07:54:04Z&spr=https&sig=emdwochwYdVAIJM%2BKcIVT7UXGlumvn4K5%2FhI0Mn%2Bw%2FZs%3D
- Account or resource label:** o24sharingstorage
- Blob endpoint:** https://o24sharingstorage.blob.core.windows.net
- File endpoint:** https://o24sharingstorage.file.core.windows.net
- Queue endpoint:** https://o24sharingstorage.queue.core.windows.net
- Table endpoint:** https://o24sharingstorage.table.core.windows.net

At the bottom right, there are four buttons: 'Back', 'Next', 'Connect', and 'Cancel'.

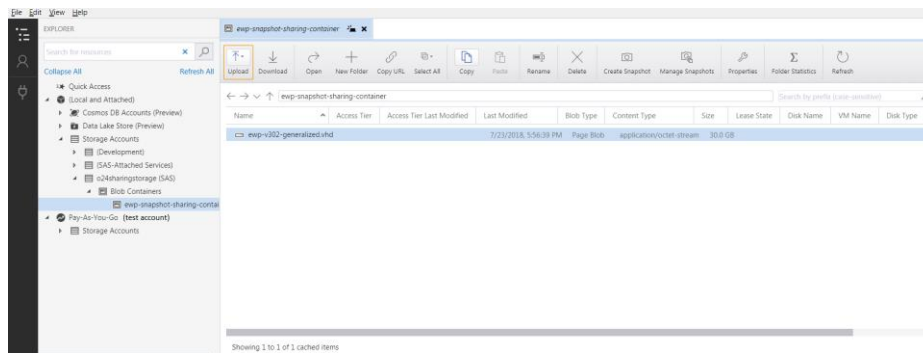
16. Click **Next** button and then connect.



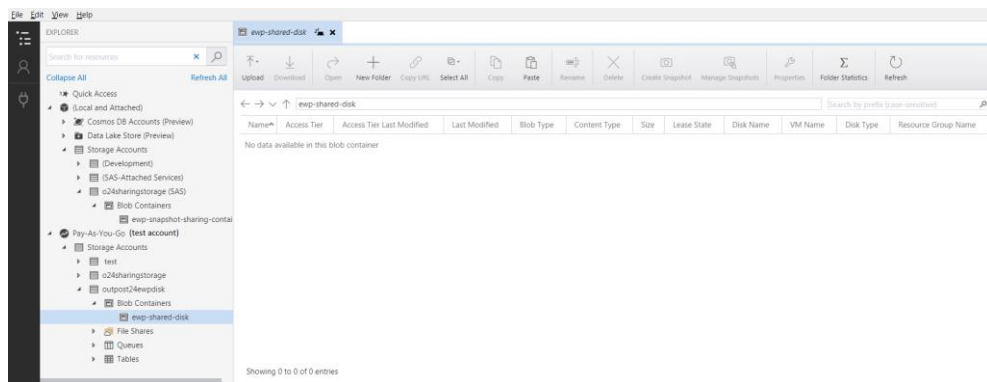
17. Once the tool has connected your account, you then can see the *Storage account* in the explorer.



18. You must copy the disk from the shared access to Outpost24 storage account to your dedicated storage account.



19. Click the **Copy** button and then go to your dedicated storage account to paste.

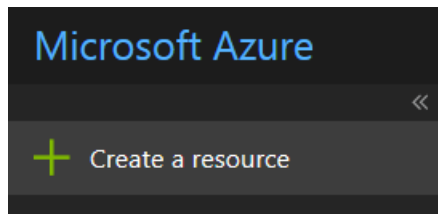


20. Wait for the data transfer to complete.

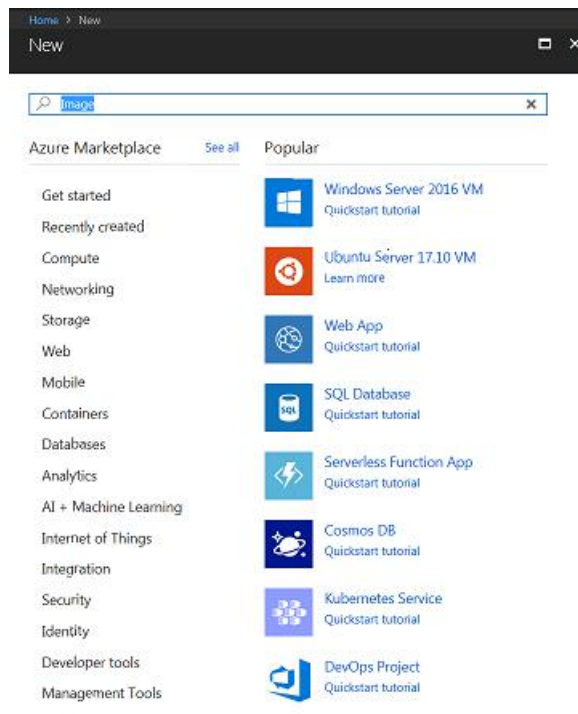
4 Create an EWP Image from the Shared Disk

Once you have retrieved the shared disk of EWP, you can create an Image of EWP in Azure portal.

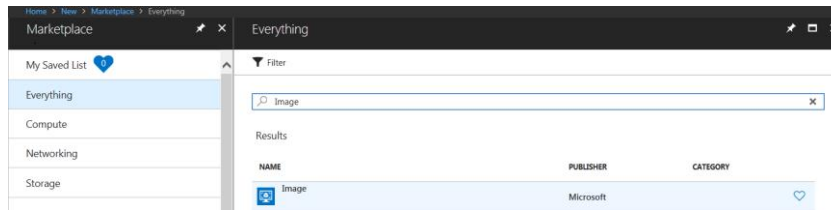
1. On the top left corner of the Azure portal click on **Create a resource**.



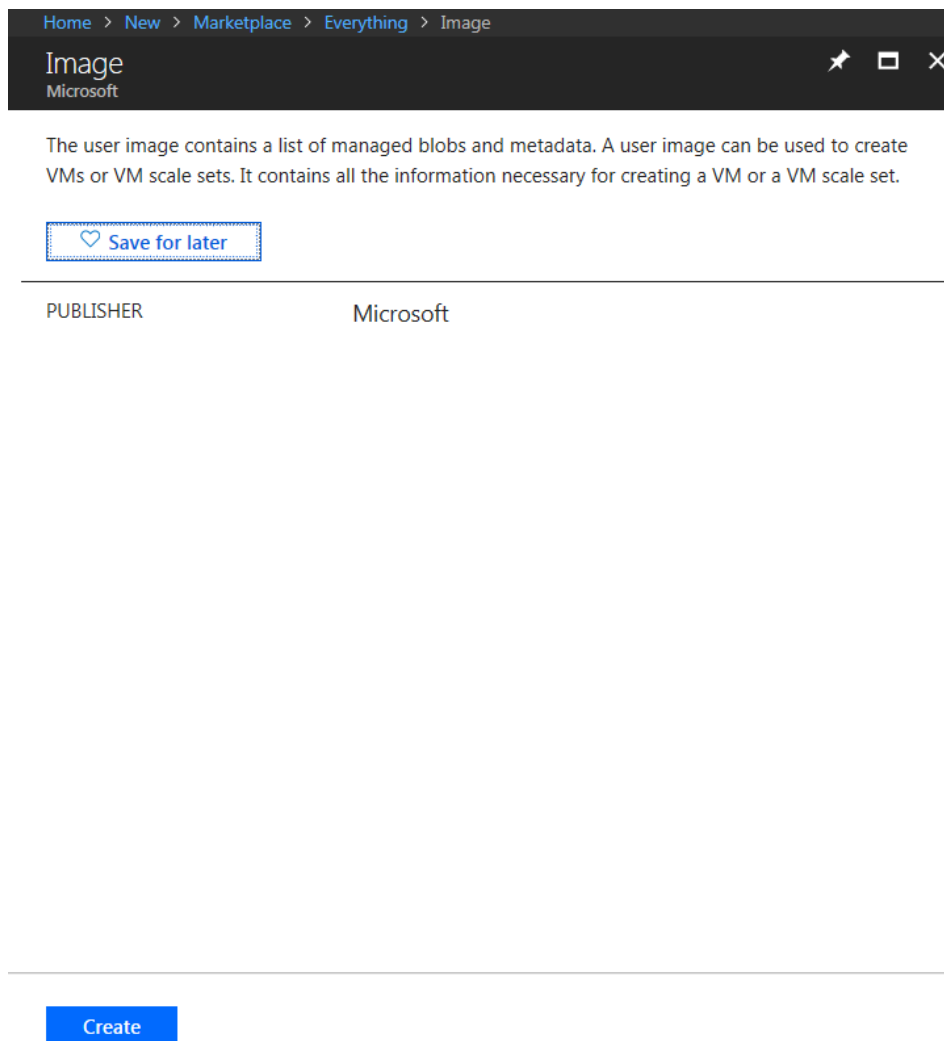
2. Search for **Image** as follow.



3. Click on **Image** on the right panel.



4. Click on **Create** button.



- Enter all information and then click on **Browse** button to add the blob container on your dedicated storage that contains the shared disk of EWP.

Note: Pay attention to select **Linux** for **OS Type** option.

Home > New > Marketplace > Everything > Image > Create image

Create image

* Name

* Subscription

* Resource group
 Create new Use existing

* Location

Zone resiliency ⓘ

OS disk
 * OS type ⓘ

* Storage blob

* Account type ⓘ

* Host caching ⓘ

Automation options

Home > New > Marketplace > Everything > Image > Create image > Storage accounts > Containers

Containers

Search storage accounts

NAME	LAST MODIFIED	PUBLIC ACCESS...	LEASE STATE
test			
o24sharingstorage			
outpost24ewpdisk			

Search containers by prefix

NAME	LAST MODIFIED	PUBLIC ACCESS...	LEASE STATE
ewp-shared-disk	7/25/2018 9:48:58 AM	Private	Available

Home > New > Marketplace > Everything > Image > Create image > Storage accounts > Containers > ewp-shared-disk

ewp-shared-disk

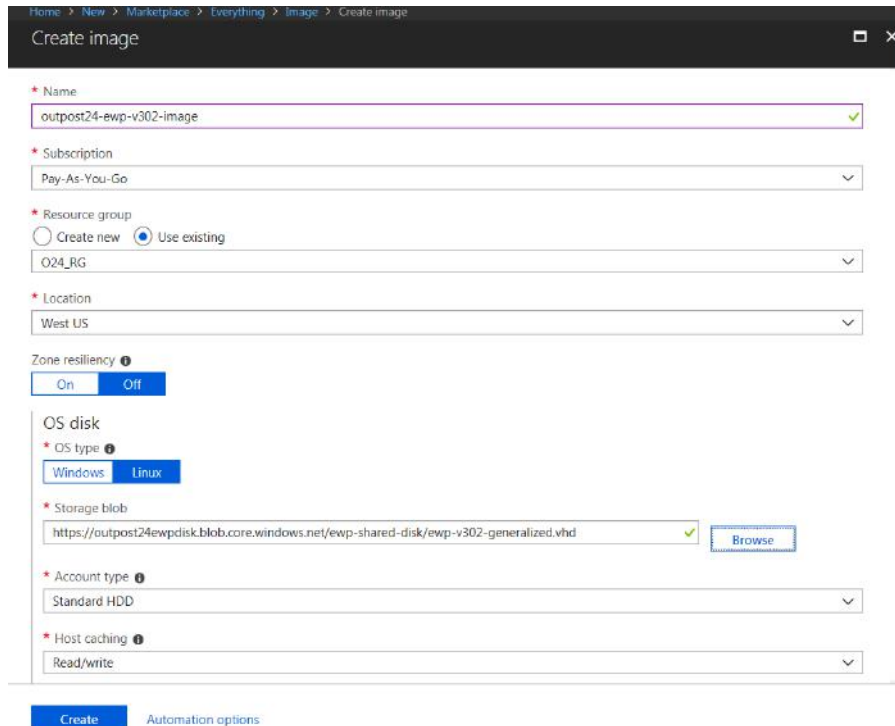
Upload Refresh

Location: ewp-shared-disk

Search blobs by prefix (case- Show deleted blobs

NAME	MODIFIED	BLOB TYPE	SIZE	LEASE STATE
ewp-v302-generalized.vhd	7/25/2018 10:18:15 AM	Page blob	30 GiB	Available

6. Then click on **Create** image.



Home > New > Marketplace > Everything > Image > Create image

Create image

* Name
outpost24-ewp-v302-image ✓

* Subscription
Pay-As-You-Go

* Resource group
 Create new
 Use existing
 O24_RG

* Location
West US

Zone resiliency

OS disk

* OS type

* Storage blob
 https://outpost24ewpdisk.blob.core.windows.net/ewp-shared-disk/ewp-v302-generalized.vhd ✓

* Account type
Standard HDD

* Host caching
Read/write

Automation options

7. The Image of EWP is being created.



Home > outpost24-ewp-v302-image

outpost24-ewp-v302-image

Image

Overview
Activity log
Access control (IAM)
Tags
SETTINGS

+ Create VM Delete

OS DISK	SOURCE BLOB URI
Windows	https://outpost24ewpdisk.blob.core.windows.net/ewp-shared-disk/ewp-v302-gene

Notifications

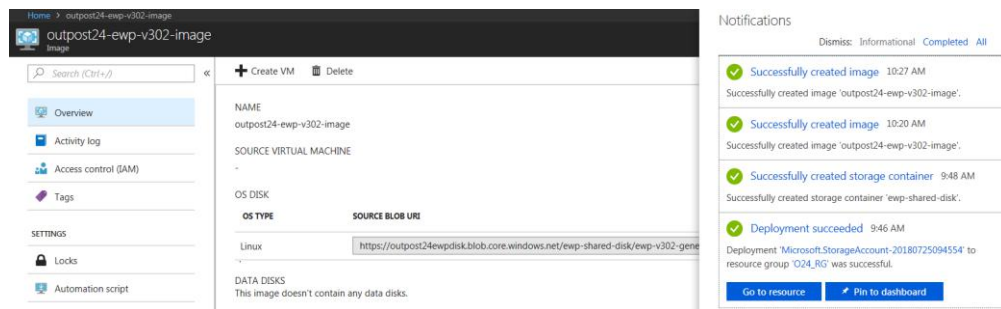
Dismiss: Informational Completed All

*** **Creating image**

Creating image 'outpost24-ewp-v302-image'...

- ✓ Successfully created storage container 9:48 AM
Successfully created storage container 'ewp-shared-disk'.
- ✓ Deployment succeeded 9:46 AM
Deployment 'Microsoft.StorageAccount-20180725094554' to resource group 'O24_RG' was successful.

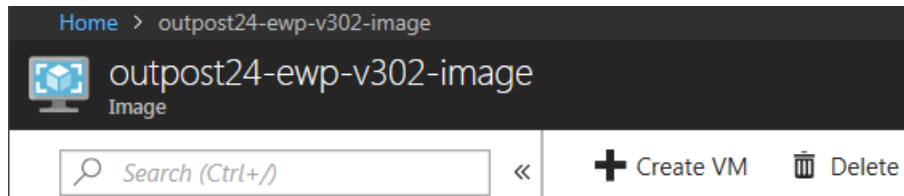
8. The creating the image takes a few minutes before it is finished.



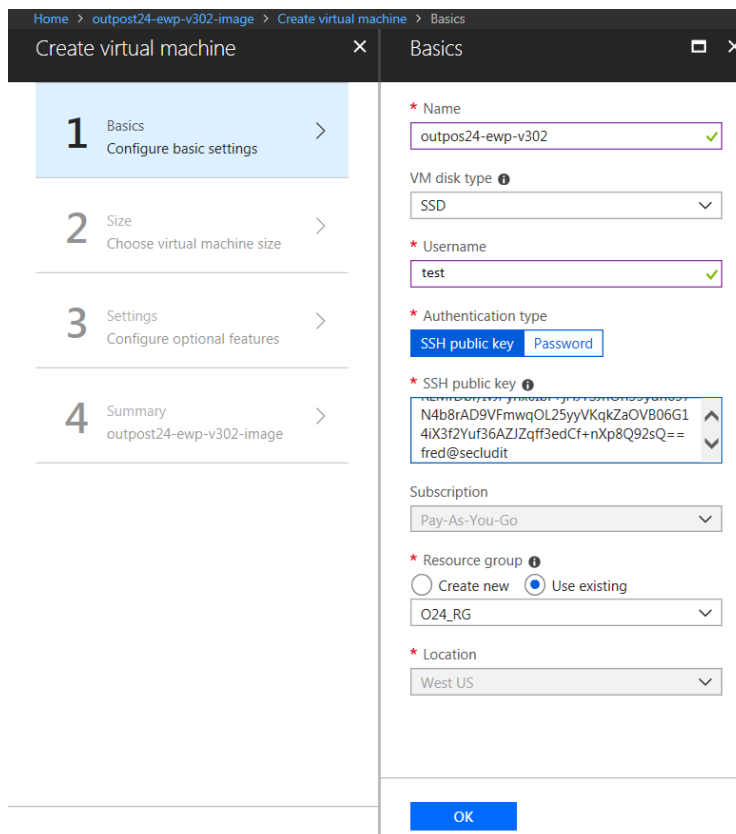
9. You can now deploy Instances of EWP Image.

5 Deploy an Instance of EWP

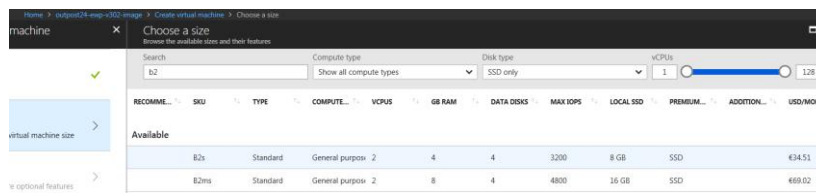
1. Enter Azure portal and select the EWP image that has been previously created.



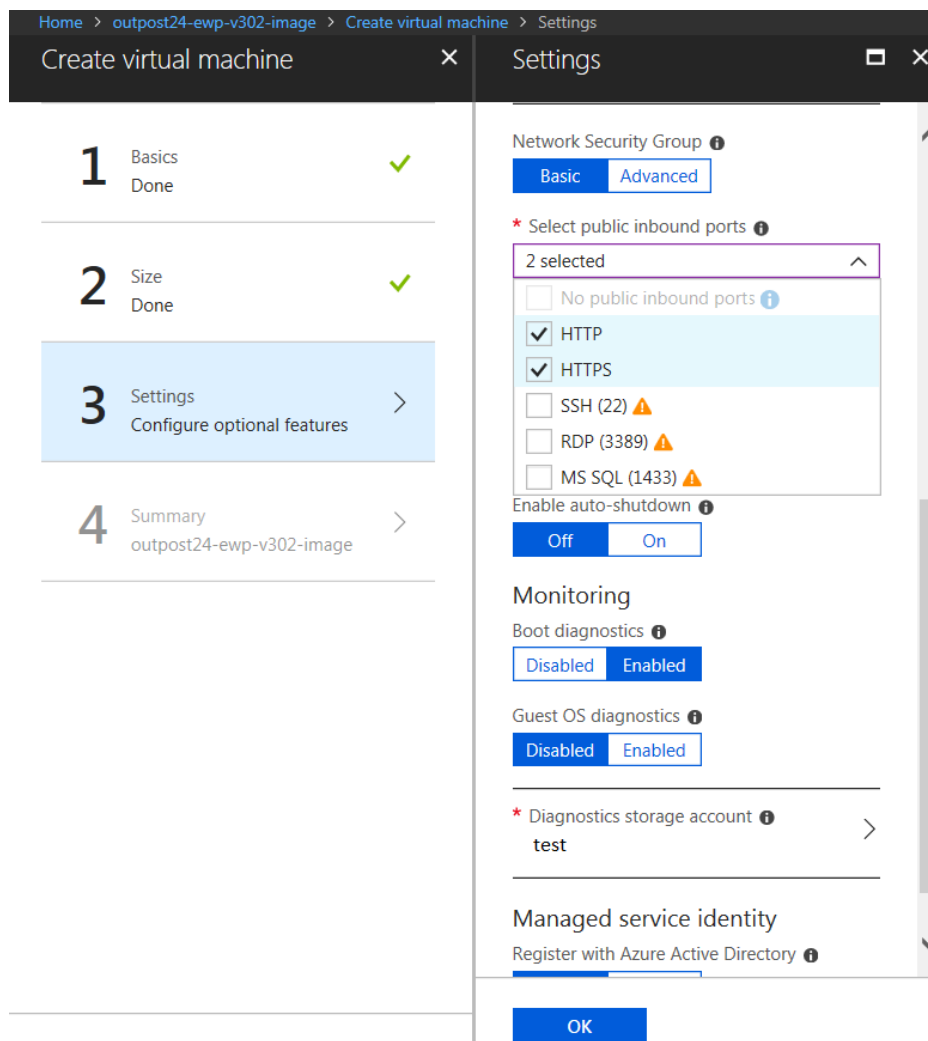
2. Click on **Create VM** button.
3. Select an SSH user with an SSH Key.



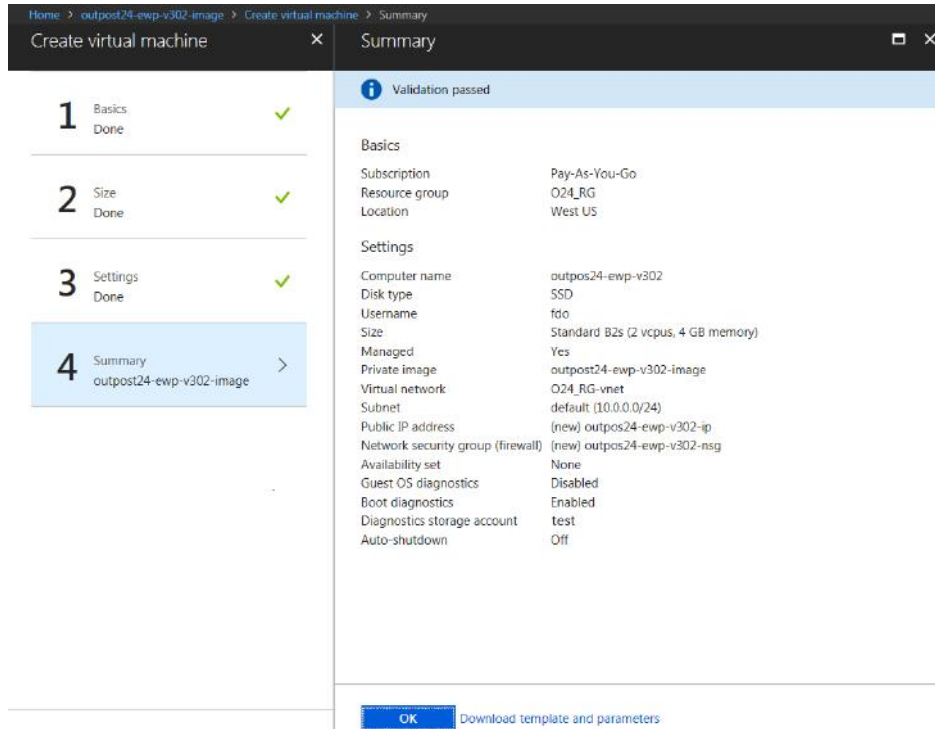
- You can start your first deployment with a **b2s** instance type.



- Open port 80 and 433 for HTTP and HTTPS connection to the Graphical Interface of EWP and adjust the other settings.



- Click the **OK** button to deploy your EWP instance.



The screenshot shows the 'Create virtual machine' wizard in the Azure portal, specifically the 'Summary' step. The left sidebar shows four steps: 1. Basics (Done), 2. Size (Done), 3. Settings (Done), and 4. Summary (outpost24-ewp-v302-image). The main area displays a 'Validation passed' message and a list of configuration details for the virtual machine.

Basics	
Subscription	Pay-As-You-Go
Resource group	O24_RG
Location	West US

Settings	
Computer name	outpos24-ewp-v302
Disk type	SSD
Username	foo
Size	Standard B2s (2 vcpus, 4 GB memory)
Managed	Yes
Private image	outpost24-ewp-v302-image
Virtual network	O24_RG-vnet
Subnet	default (10.0.0.0/24)
Public IP address	(new) outpost24-ewp-v302-ip
Network security group (firewall)	(new) outpos24-ewp-v302-nsg
Availability set	None
Guest OS diagnostics	Disabled
Boot diagnostics	Enabled
Diagnostics storage account	test
Auto-shutdown	Off

At the bottom of the wizard, there is an **OK** button and a link to 'Download template and parameters'.

6 Reference

[Azure Storage Explorer](#)