

Deploy HIAB on MS Azure

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About This Document

This document describes how to deploy HIAB on Microsoft Azure.

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

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1 Introduction

This document describes all the steps necessary on how to deploy HIAB on Microsoft Azure using a disk of HIAB for Azure.

2 Deploying HIAB on MS Azure

The deployment process contains the following steps:

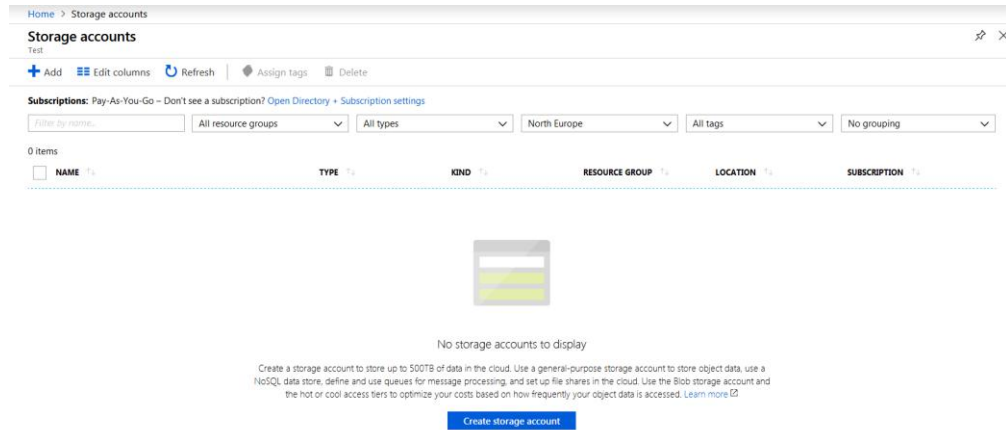
1. Get the HIAB disk for Azure.
2. Upload the HIAB disk for Azure.
3. Create a *Managed Disk* of HIAB for Azure.
4. Create and Start a *Virtual machine* using the *Managed Disk* of HIAB for Azure.

3 Get the HIAB Disk for Azure

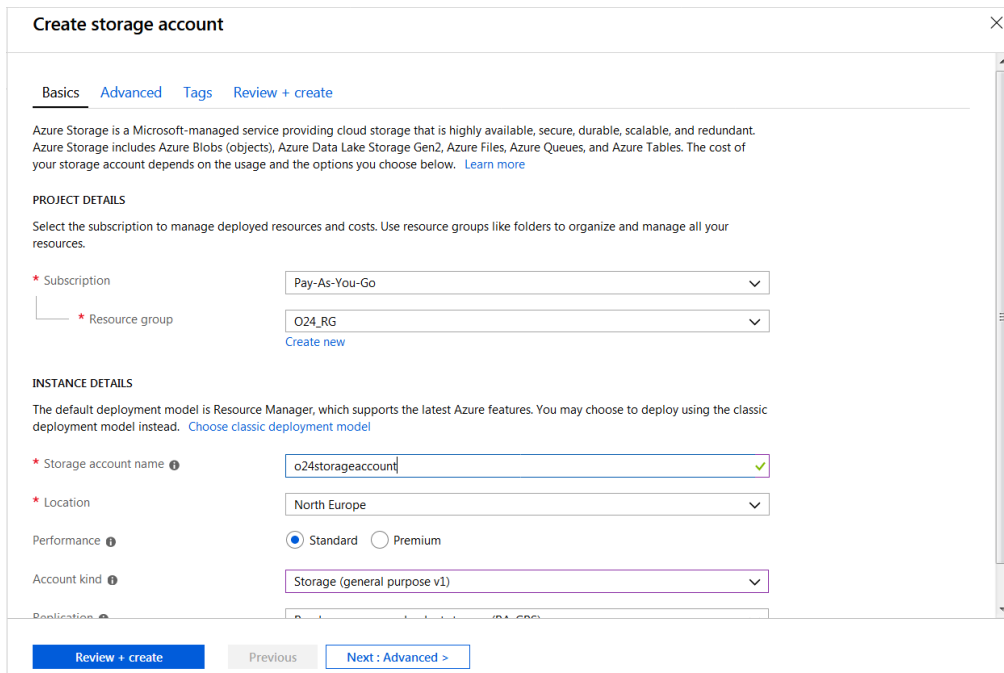
To deploy HIAB on Azure, it is required to contact Outpost24 to get access to the HIAB disk for Azure.

4 Upload the HIAB Disk for Azure

1. In the Azure portal, go to your **storage accounts** and create a dedicated storage account to copy the HIAB disk for Azure.



2. Click on the **Add** button in the top left corner or click on the **Create storage account** button in the middle of the page.

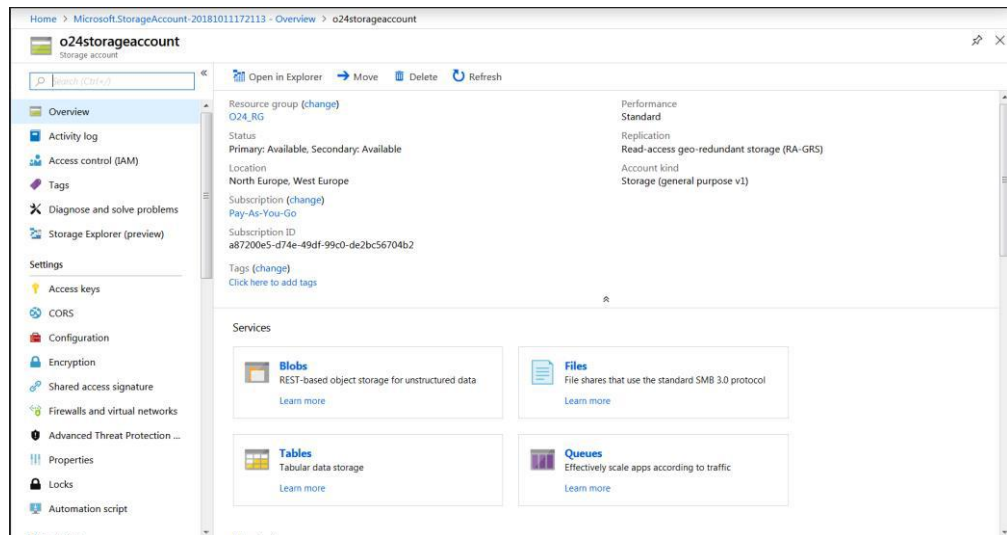


The screenshot shows the 'Create storage account' form in the Azure portal. The form has tabs for 'Basics', 'Advanced', 'Tags', and 'Review + create'. The 'Basics' tab is selected. The form contains the following fields:

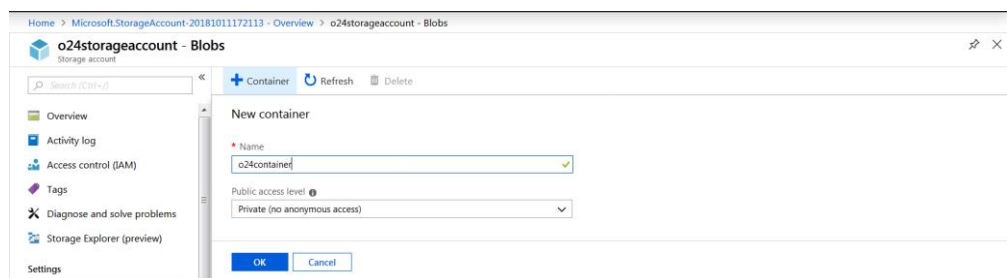
- PROJECT DETAILS:**
 - Subscription: Pay-As-You-Go
 - Resource group: O24_RG (with a 'Create new' link)
- INSTANCE DETAILS:**
 - Storage account name: o24storageaccount
 - Location: North Europe
 - Performance: Standard (selected), Premium
 - Account kind: Storage (general purpose v1)

At the bottom, there are buttons for 'Review + create', 'Previous', and 'Next: Advanced >'.

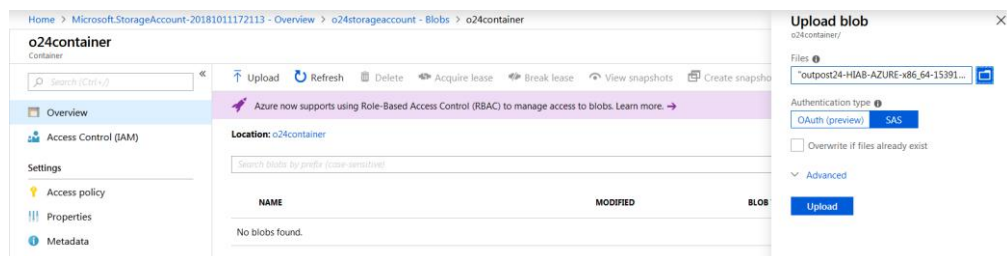
- Choose a name for this dedicated storage and then click **create** on the bottom. The process can take a few minutes to deploy this storage account. Once this is done, click on the newly created storage account.



- Click on **blobs** to create a *blob container* for copying the HIAB disk for Azure.



- Once the container is created, click on the container name to upload the HIAB disk.
- On the top menu, click on the **Upload** button to open a panel for uploading the file.
- Then select the HIAB disk for Azure and click on **Upload**.

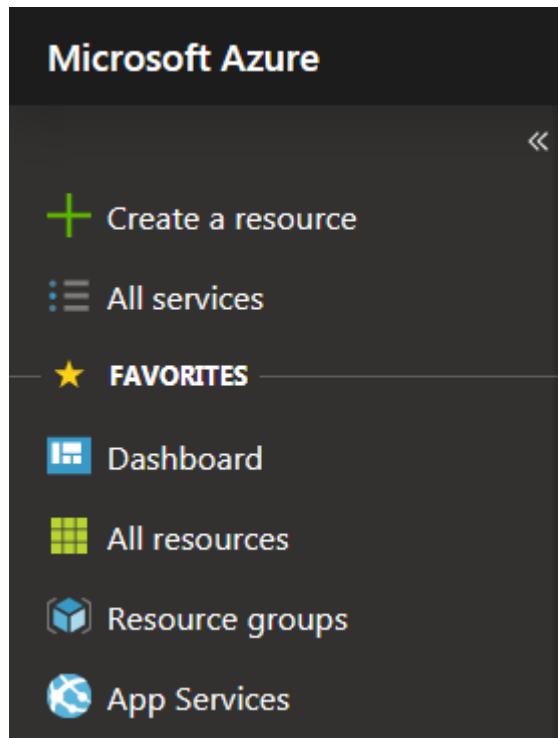


- Wait for the data transfer to complete.

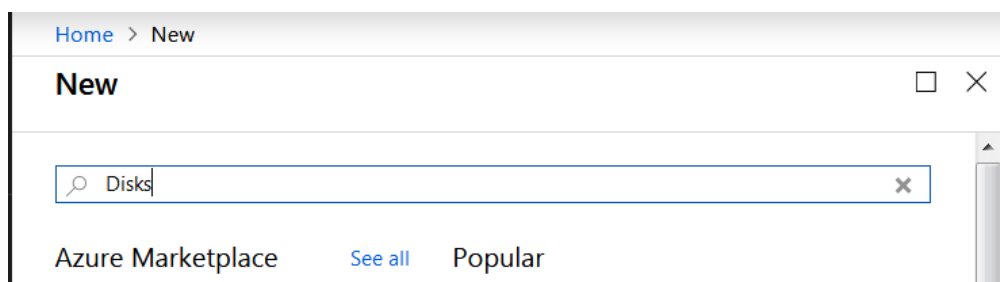
5 Create a Managed Disk of HIAB

After the upload of the HIAB disk for Azure is completed, then you can create a *managed disk* that will be used to create the **HIAB Virtual machine** on Azure.

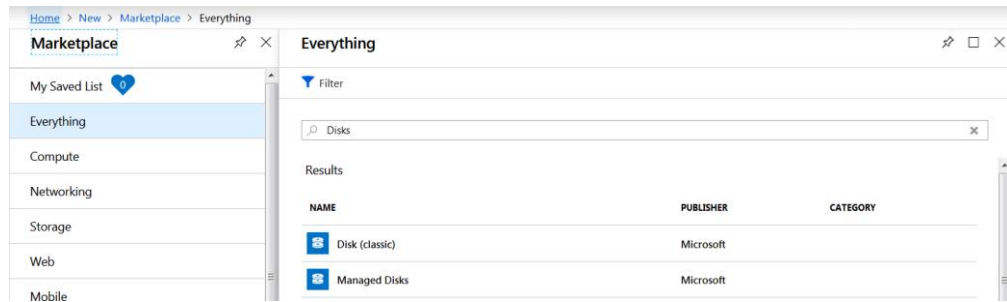
1. On the top left corner of the Azure portal, click on the **Create a resource** button.



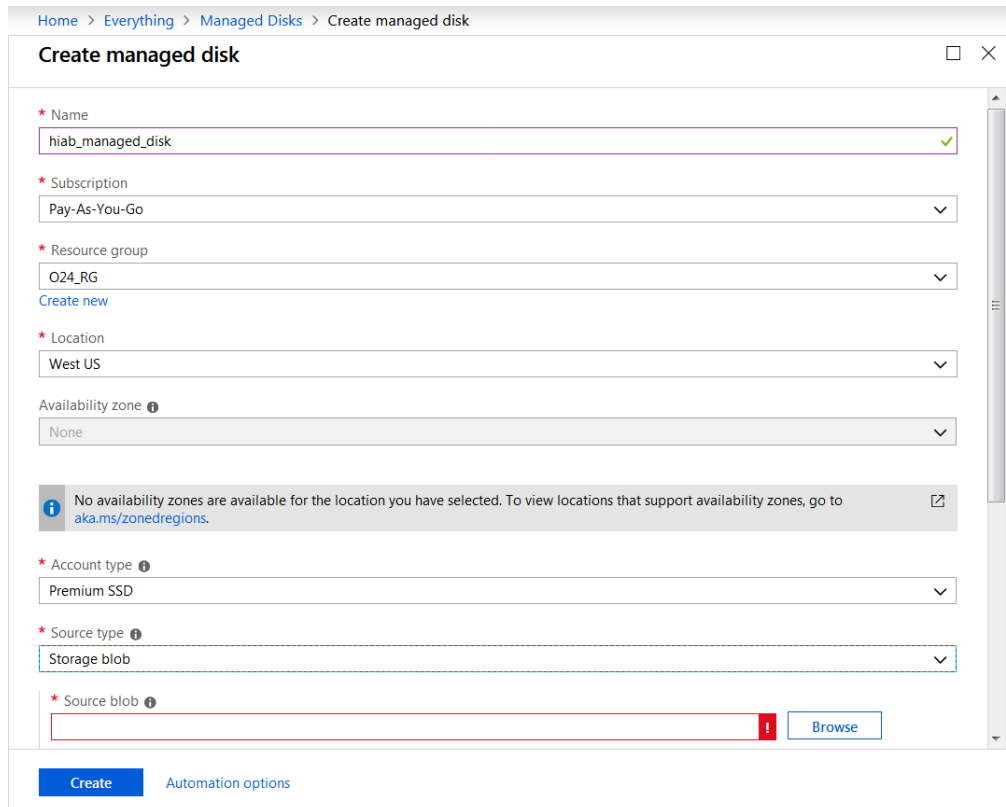
2. Search for *Disks* by typing in the search bar and press **enter**.



- This opens a panel on the right where you can click on **Managed Disks**.



- Once the *Managed Disks* panel is open, click on the **Create** button at the bottom of the panel.



The screenshot shows the 'Create managed disk' form in Azure. The form fields are as follows:

- Name:** hiab_managed_disk (with a green checkmark)
- Subscription:** Pay-As-You-Go
- Resource group:** O24_RG (with a 'Create new' link)
- Location:** West US
- Availability zone:** None
- Account type:** Premium SSD
- Source type:** Storage blob
- Source blob:** (empty field with a red error bar and a 'Browse' button)

At the bottom, there is a 'Create' button and a link for 'Automation options'.

- Fill all required parameters such as *Name* and select the location where you have created the storage account with the blob container. Then you will be able to find the HIAB disk to select it in the *Source blob* section.

6. Click on **Create**.

NOTE:

- Select **Storage blob** for **Source type** option
- Select **Linux** for **OS Type** option
- Set a proper size upper than 100 GiB in **Size** option

* Source type ⓘ
Storage blob

* Source blob ⓘ

* OS type ⓘ

* Size (GiB) ⓘ

It can take a few minutes to create the *Managed Disk*, and you can see progress in the *Notifications* in the top menu on the right.

Notifications

[More events in the activity log](#) →

[Dismiss all](#) ...

■ ■ ■ **Creating disk**

Running

Creating disk 'hiab_managed_disk'...

by me

a few seconds ago

Everything will be finished and successful after a few minutes.

Notifications

[More events in the activity log](#) →

[Dismiss all](#) ...

✓ **Successfully created disk**

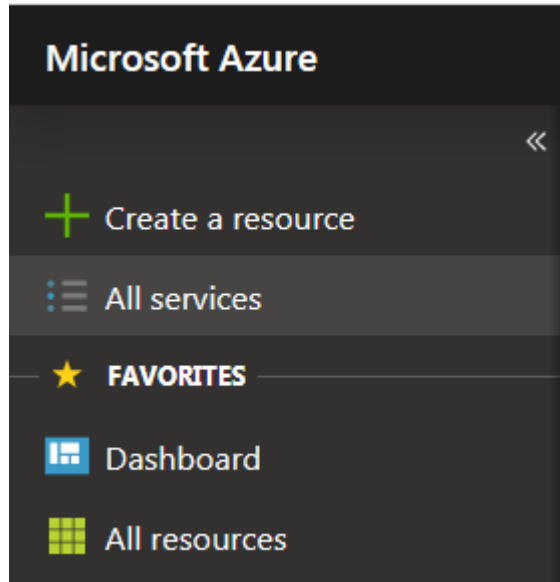
Successfully created disk 'hiab_managed_disk'.

by me

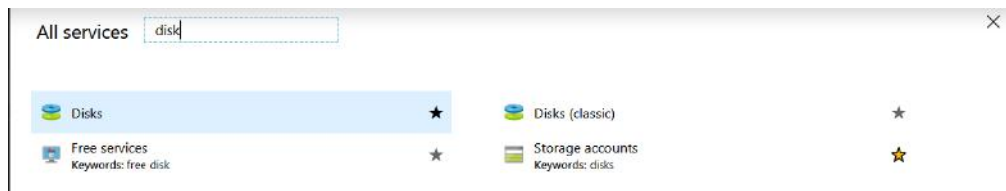
a few seconds ago

6 Create a Virtual Machine of HIAB on Azure

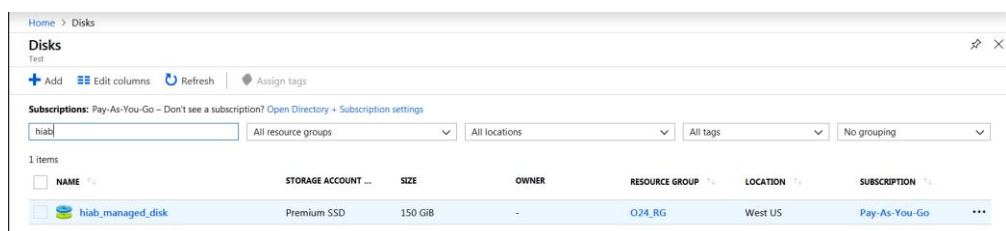
1. Enter Azure portal and select the HIAB *Managed disk* that has been previously created. To do so, click on the **All services** entry on the top left menu.



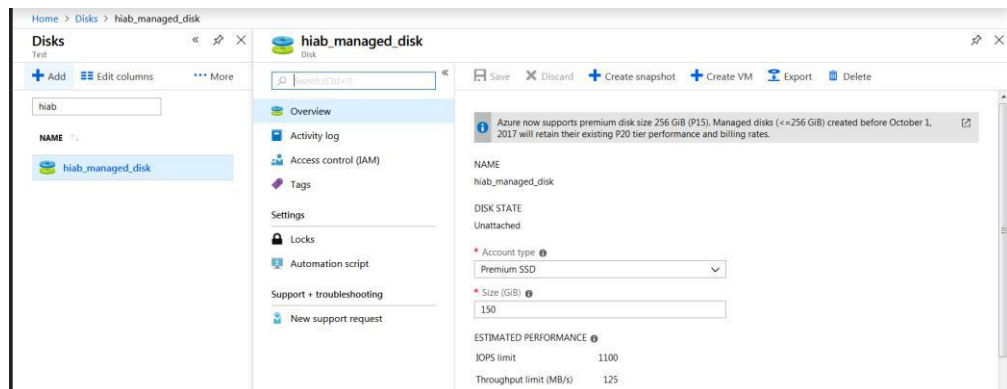
2. This opens a panel where you can search for *disk*.



3. Click on the **Disks** to open the *Disk* panel where you can search for the HIAB disk.



- Then click on the HIAB disk name to open a right panel containing all the information on the *Managed Disk*.



- Click on **Create VM** button and this opens a new panel for configuring your HIAB instance (name, size, etc...).

Home > All resources > hiab_image > Create a virtual machine

Create a virtual machine

Basics **Disks** Networking Management Guest config Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization.
Looking for classic VMs? [Create VM from Azure Marketplace](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription

* Resource group [Create new](#)

INSTANCE DETAILS

* Virtual machine name

* Region

Availability options

* Image [Browse all images and disks](#)

* Size

[Review + create](#) [Previous](#) [Next : Disks >](#)

6. Select the size of the instance. You can start with a *B2s* type and then update according to your needs.

INSTANCE DETAILS

* Virtual machine name ⓘ ✓

* Region ⓘ ▼

Availability options ⓘ ▼

* Image ⓘ ▼
[Browse all images and disks](#)

* Size ⓘ **Standard B2s**
2 vcpus, 4 GB memory
[Change size](#)

7. Select the firewall and open port 443 (HTTPS) to give access to the User Interface of your HIAB *Virtual Machine*.

INBOUND PORT RULES

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

* Public inbound ports ⓘ None Allow selected ports

* Select inbound ports ▼

8. You can configure your network in the *Networking* section.

Home > All resources > hiab_image > Create a virtual machine

Create a virtual machine

Basics Disks **Networking** Management Guest config Tags Review + create

Configure a new or existing virtual network for your VM as well as how your VM will be accessed on the virtual network. [Learn more](#)

NETWORK INTERFACE

When creating a virtual machine, a network interface will be created for you.

* Virtual network ⓘ	<input type="text" value="O24_RG-vnet"/> Create new
* Subnet ⓘ	<input type="text" value="default"/>
Public IP ⓘ	<input type="text" value="None"/> Create new
Network security group	<input checked="" type="radio"/> Basic <input type="radio"/> Advanced
* Public inbound ports ⓘ	<input type="radio"/> None <input checked="" type="radio"/> Allow selected ports
* Select inbound ports	<input type="text" value="HTTPS"/>
Accelerated networking ⓘ	<input type="radio"/> On <input checked="" type="radio"/> Off

- Click the **Review + Create** button in the bottom of the panel to review the configuration of your HIAB virtual machine.

Home > All resources > hiab_image > Create a virtual machine

Create a virtual machine

✓ Validation passed

Availability options	No infrastructure redundancy required
Authentication type	SSH public key
Username	fdo
Public inbound ports	HTTPS
DISKS	
OS disk type	Premium SSD
Use unmanaged disks	No
NETWORKING	
Virtual network	O24_RG-vnet
Subnet	default
Public IP	(new) O24-hiab-ip
Accelerated networking	Off
MANAGEMENT	
Boot diagnostics	On
OS guest diagnostics	Off
Diagnostics storage account	<Account name>
Managed service identity	Off
Auto-shutdown	Off
GUEST CONFIG	

[Create](#)
[Previous](#)
[Next](#)
[Download a template for automation](#)

10. Then click the **Create** button to deploy this HIAB virtual machine.

Notifications ✕

[More events in the activity log](#) → [Dismiss all](#) ...

■ ■ ■ **Deployment in progress...** Running ✕

Deployment to resource group 'O24_RG' is in progress.

by me a few seconds ago

✓ **Successfully created image** ✕

Successfully created image 'hiab_image'.

by me 18 minutes ago

11. The deployment can take several minutes, and you can check your *Notifications* on the top right corner of the Azure portal.

Notifications ✕

[More events in the activity log](#) → [Dismiss all](#) ...

✓ **Deployment succeeded** ✕

Deployment 'CreateVm-hiab_image-20181011175532' to resource group 'O24_RG' was successful.

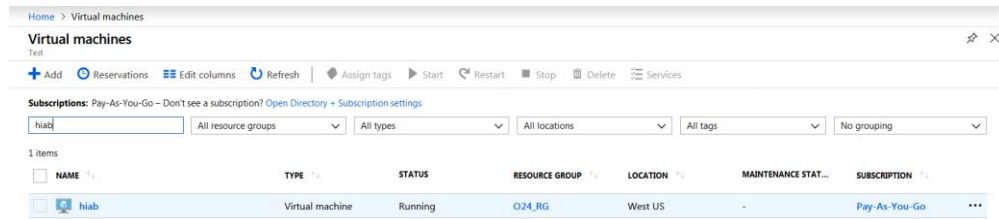
by me a few seconds ago

✓ **Successfully created image** ✕

Successfully created image 'hiab_image'.

by me 18 minutes ago

12. You will find your HIAB virtual machine running under the *Virtual Machine* section on the left menu.



13. Clicking on the HIAB virtual machine opens a panel to the right with all the information on the HIAB virtual machine.

