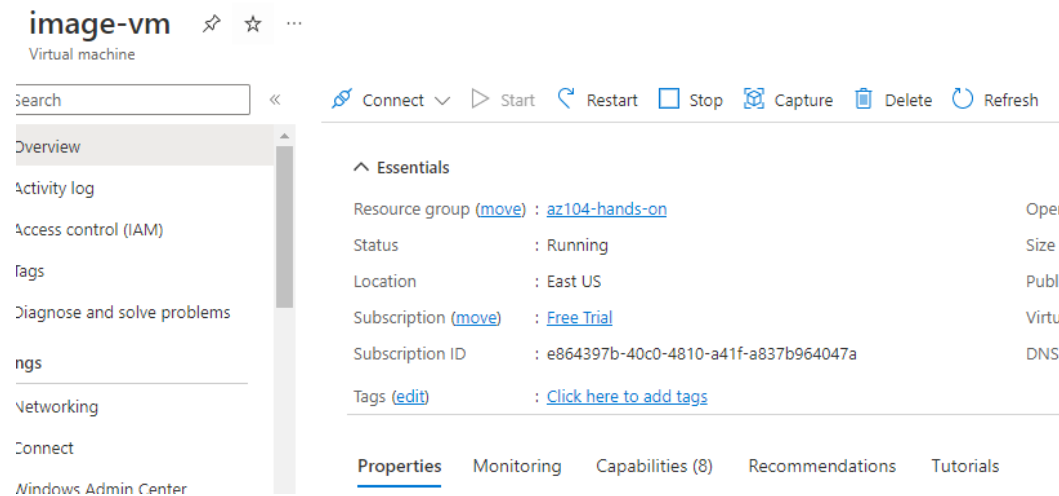We want to create multiple vm from 1 vm . Migrate 1 VM to another VM .
We can capture an image of the VM (DISK assigned to VM).It takes a copy of the disk of vm
and we can use that image to create a new vm .

CREATING A SPECIALIZED IMAGE :

Let's create a vm from 1 existing vm .

First we create an image of an existing vm .

Existing VM instance > CAPTURE > Share to gallery / managed image - > Create in gallery >
Create new gallery > Image type -generalized / specialized - specialized > Version number -
1.0.0 > Create image

Create an image   ...

Region	(US) East US ⌄
Share image to Azure compute gallery ⓘ	⦿ **Yes, share it to a gallery as a VM image version.**
	◯ No, capture only a managed image.
Automatically delete this virtual machine after creating the image ⓘ	☐

Gallery details

Target Azure compute gallery * ⓘ	**(new) image** ⌄
	Create new
Operating system state ⓘ	◯ Generalized: VMs created from this image require hostname, admin user, and other VM related setup to be completed on first boot
	⦿ Specialized: VMs created from this image are completely configured and do not require parameters such as hostname and admin user/password
Target VM image definition * ⓘ	**(new) newimage** ⌄
	Create new

Version number * ⓘ	1.0.0

Create images .
Now this will first stop existing vm and take snapshot of vm

▪▪▪ Stopping virtual machine

Stopping virtual machine '/subscriptions,
40c0-4810-a41f-a837b964047a/resource
hands-
on/providers/Microsoft.Compute/virtuall
vm'...

We can have a gallery of images . - Share to gallery
Managed - Just have it stored as a separate resource .

NOw image is created .

Along with image , gallery, version is created , vm image definition .

☐ 🔷 1.0.0 (image/newimage/1.0.0)		VM image version
☐ ↔ az104-hands-on-vnet		Virtual network
☐ ⚙ image		Azure compute gallery
☐ 🖥 image-vm		Virtual machine

Let's create a VM out of image .
Go to version > create vm or vm ss > Administrator account will be disabled . since it will use the same as the first vm > When creating a new vm we still have to add inbound rules to the network since this is a separate resource > Windows server > Data disk will be attached as of existing vm > Create VM .

1.0.0 (image/newimage/1.0.0) 📌 ☆ ⋯
VM image version

🔍 Search   «   + Create VM   + Create VMSS   🗑 Delete   🔄 Refresh
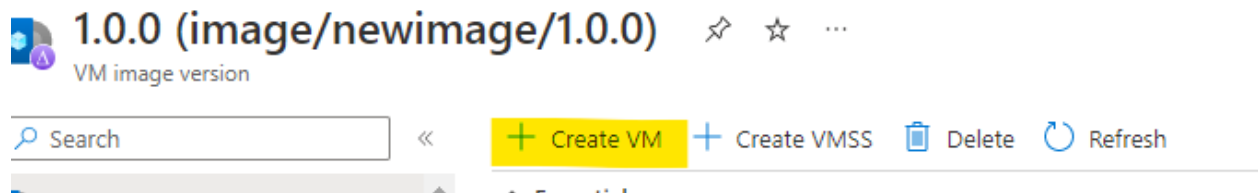
Same vm will be created .

Create a virtual machine ⋯

Instance details

Virtual machine name * ⓘ	newvmimage ✓
Region * ⓘ	(US) East US ⌄
Availability options ⓘ	Availability zone ⌄
Availability zone * ⓘ	Zone 1 ⌄
Security type ⓘ	Standard ⌄
Image * ⓘ	image/newimage/1.0.0/image/newimage/1.0.0/image/newimage/1.0.0 - x6 ⌄

See all images | Configure VM generation

OS disk type * ⓘ	Premium SSD (locally-redundant storage)
Delete with VM ⓘ	☐
Key management ⓘ	Platform-managed key
Enable Ultra Disk compatibility ⓘ	☐

Data disks for newvmimage

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM ⓘ
0	Pre-defined by the sel...			None ⌄	☐

Disk is pre-defined by existing vm . .

We can add inbound ports .

We created a custom image , uploaded it to the gallery and created a vm from the image .
—----

VMSS
Let's create a scale set using images .
We should select a web image . Then the scale set will deploy vm based on the image provided
.

We can select our own image while creating a scale set .
—

Creating GENERALIZED VM image .
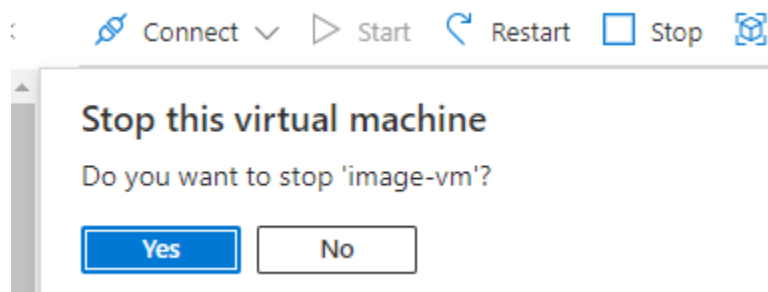
With specialized image - source vm will remain working even after creation of replica .
But in generalized image . We will not be able to use it in the future .
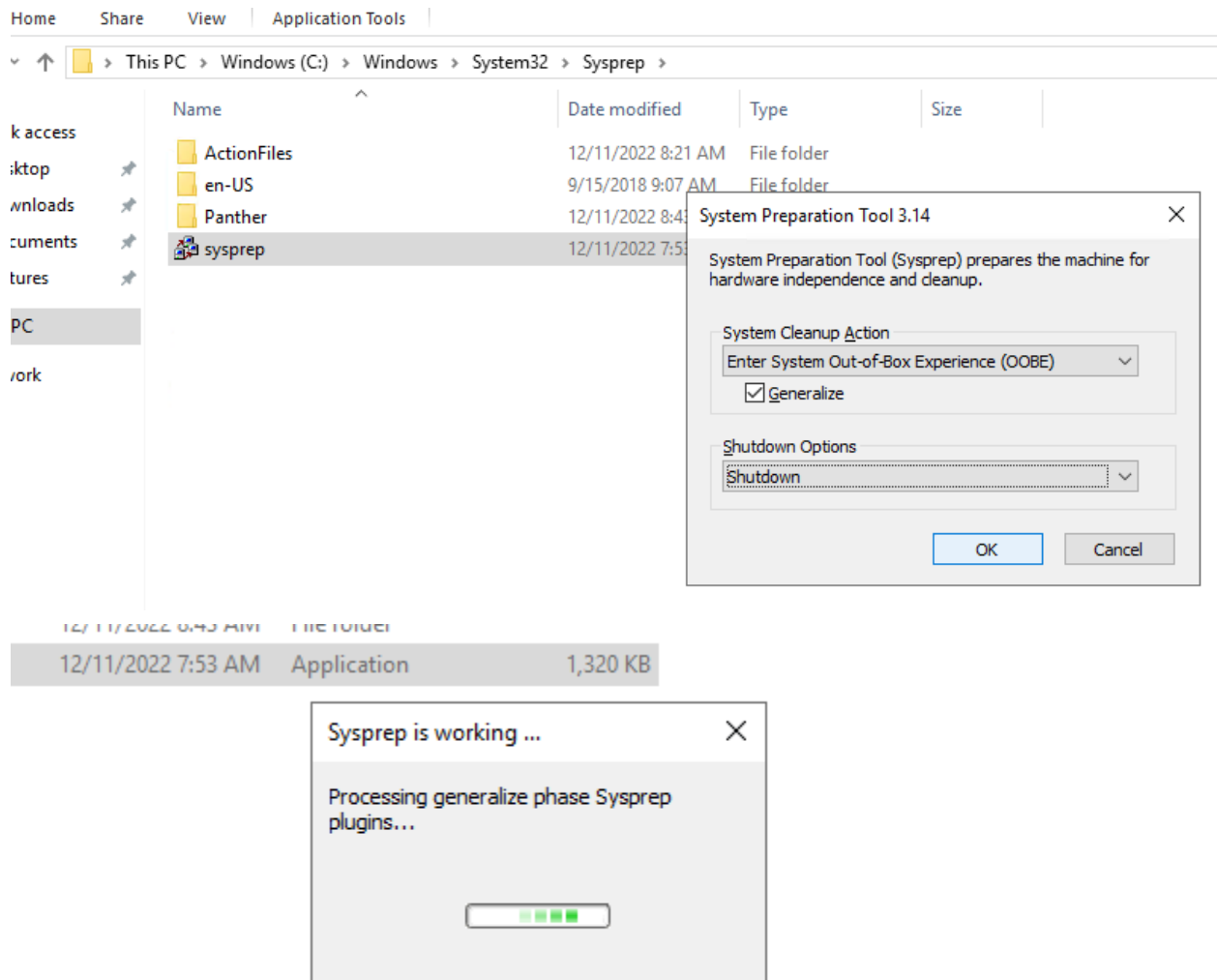
First we generalize from inside vm - going to system32 path . Post that we stop and take an image of vm . and create a new vm using the image . In this case we have to add admin creds also . It will not be the same as the old vm .

] Stop   [⊗] Capture   [🗑] Del

Now create an image .

Target Azure compute gallery * ⓘ | image   ⌄ |

Create new

Operating system state ⓘ   (●) Generalized: VMs created from this image require hostname, admin user, and
                                    other VM related setup to be completed on first boot

                                ( ) Specialized: VMs created from this image are completely configured and do not
                                    require parameters such as hostname and admin user/password

1.0.1 (image/newimagegen/1.0.1) 📌 ☆ ⋯
VM image version

| earch | « | + Create VM   + Create VMSS   [🗑] Delete   ○ Refresh |

∧ Essentials

verview ▲

ctivity log   Resource group (move) : az104-hands-on

ccess control (IAM)   Status   : Succeeded

gs   Location   : East US

iagnose and solve problems   Subscription (move)   : Free Trial

gs   Subscription ID   : e864397b-40c0-4810-a41f-a837b964047a

date replication   Tags (edit)   : Click here to add tags

Image created .
Now create a VM using this image .

Size * ⓘ   Standard_B1s - 1 vcpu, 1 GiB memory (₹736.30/month) (free services eligible) ⌄

See all sizes

Administrator account

Username * ⓘ   windowsadmin ✓

Password * ⓘ   •••••••••••••• ✓

Confirm password * ⓘ   •••••••••••••• ✓

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

When using the gen image we get the creds option . And we can create vm .