Create ami for Azure windows use packer
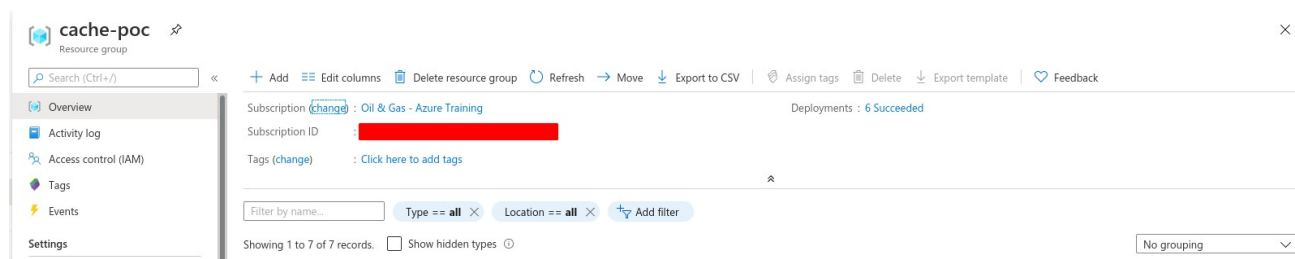
Requirements

        create app register for packer auth
        create resource group
        create shared image gallery inside the resource group
        create image definition inside the shared image gallery

Here →

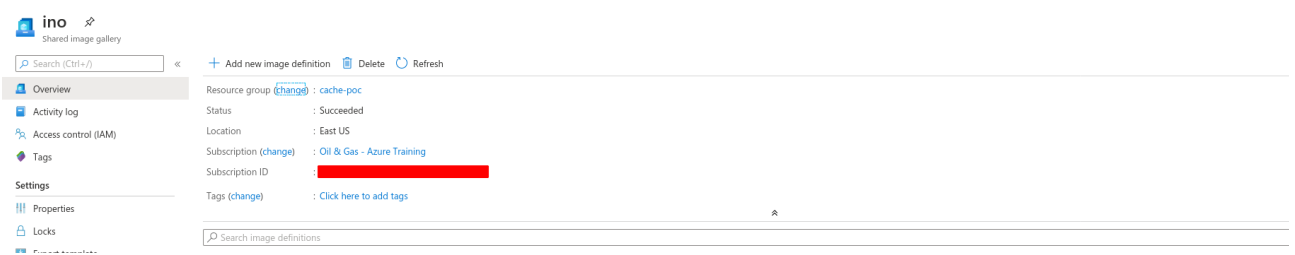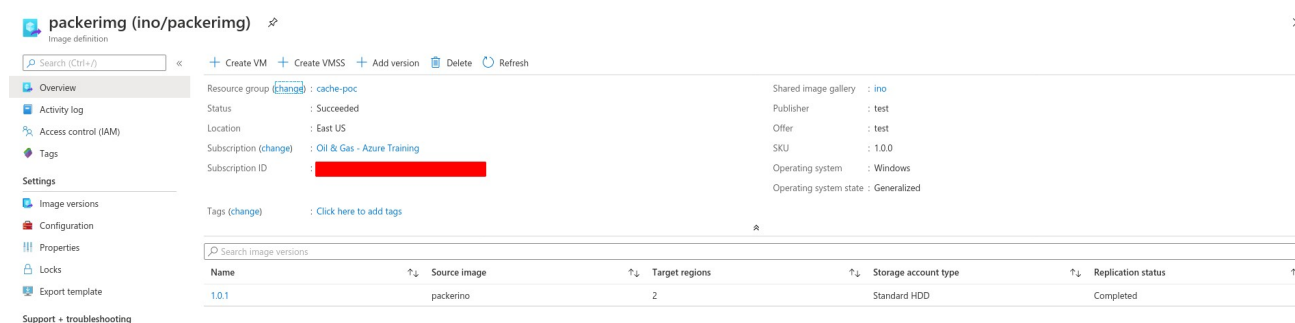|	
→ cache poc	→ Resource group name
→ ino	→ Shared image gallery name
→ image definition name	→ Packerimg

Resource Group

Shared image gallery

Image definition

Reference:

→ https://docs.microsoft.com/en-us/azure/virtual-machines/windows/shared-images-portal

Environment Setup:

need to install packer in our local system

      Reference → https://www.packer.io/downloads/

For Linux :

     # https://releases.hashicorp.com/packer/1.6.0/packer_1.6.0_linux_amd64.zip
     # tar -xzvf packer_1.6.0_linux_amd64.zip
     # mv packer /usr/local/bin
     # packer --version

To create Packer json file:

reference →

https://github.com/FourTimes/Packer/blob/master/Azure-images/windows.json

script file location →

https://raw.githubusercontent.com/FourTimes/Packer/master/Azure-images/script.ps1

Note: this script download from blob storage zip file and extract to some location after set environment variable.

Download from above the link

packer validate windows.json
packer build windows.json

Build example:

```
==> azure-arm: IMAGE_STATE_UNDEPLOYABLE
==> azure-arm: Querying the machine's properties ...
==> azure-arm:  -> ResourceGroupName : 'pkr-Resource-Group-zuvqobrao9'
==> azure-arm:  -> ComputeName       : 'pkrvmzuvqobrao9'
==> azure-arm:  -> Managed OS Disk   : '/subscriptions/_____/resourceGroups/PKR-RESOURCE-GROUP-ZUVQOBRAO9/providers/Microsoft.Compute/disks/p
roszuvqobrao9'
==> azure-arm: Querying the machine's additional disks properties ...
==> azure-arm:  -> ResourceGroupName : 'pkr-Resource-Group-zuvqobrao9'
==> azure-arm:  -> ComputeName       : 'pkrvmzuvqobrao9'
==> azure-arm: Powering off machine ...
==> azure-arm:  -> ResourceGroupName : 'pkr-Resource-Group-zuvqobrao9'
==> azure-arm:  -> ComputeName       : 'pkrvmzuvqobrao9'
==> azure-arm: Capturing image ...
==> azure-arm:  -> Compute ResourceGroupName : 'pkr-Resource-Group-zuvqobrao9'
==> azure-arm:  -> Compute Name              : 'pkrvmzuvqobrao9'
==> azure-arm:  -> Compute Location          : 'East US'
==> azure-arm:  -> Image ResourceGroupName   : 'cache-poc'
==> azure-arm:  -> Image Name                : 'packerino'
==> azure-arm:  -> Image Location            : 'East US'
==> azure-arm: Publishing to Shared Image Gallery ...
==> azure-arm:  -> MDI ID used for SIG publish        : '/subscriptions/_____-___-____-___-10331546798f/resourceGroups/cache-poc/providers/Microsoft.Compute/images/
ackerino'
==> azure-arm:  -> SIG publish resource group        : 'cache-poc'
==> azure-arm:  -> SIG gallery name                  : 'ino'
==> azure-arm:  -> SIG image name                    : 'packerimg'
==> azure-arm:  -> SIG image version                 : '1.0.1'
==> azure-arm:  -> SIG replication regions           : '[eastus westus]'
==> azure-arm:  -> SIG image version endoflife date  : ''
==> azure-arm:  -> SIG image version exclude from latest : 'false'
==> azure-arm:  -> SIG replica count [1, 10]         : '1'
==> azure-arm:  -> Shared Gallery Image Version ID : '/subscriptions/_____-___-____-___-_____/resourceGroups/cache-poc/providers/Microsoft.Compute/galleries/ino
images/packerimg/versions/1.0.1'
==> azure-arm: Deleting resource group ...
==> azure-arm:  -> ResourceGroupName : 'pkr-Resource-Group-zuvqobrao9'
==> azure-arm:
==> azure-arm: The resource group was created by Packer, deleting ...
==> azure-arm: Deleting the temporary OS disk ...
==> azure-arm:  -> OS Disk : skipping, managed disk was used...
==> azure-arm: Deleting the temporary Additional disk ...
==> azure-arm:  -> Additional Disk : skipping, managed disk was used...
==> azure-arm: Removing the created Deployment object: 'pkrdpzuvqobrao9'
==> azure-arm: ERROR: -> ResourceGroupNotFound : Resource group 'pkr-Resource-Group-zuvqobrao9' could not be found.
==> azure-arm:
==> azure-arm: Removing the created Deployment object: 'kvpkrdpzuvqobrao9'
==> azure-arm: ERROR: -> ResourceGroupNotFound : Resource group 'pkr-Resource-Group-zuvqobrao9' could not be found.
==> azure-arm:
Build 'azure-arm' finished.
```

Result:

```
OSType: Windows
ManagedImageResourceGroupName: cache-poc
ManagedImageName: packerino
ManagedImageId: /subscriptions/_____-____-____-____-_____/resourceGroups/cache-poc/providers/Microsoft.Compute/images/packerino
ManagedImageLocation: East US
ManagedImageSharedImageGalleryId: /subscriptions/_____-____-____-____-_____/resourceGroups/cache-poc/providers/Microsoft.Compute/galleries/ino/images/packer
sions/1.0.1
```

After create vm