## Lab 03c- Manage Azure resources by Using Azure PowerShell

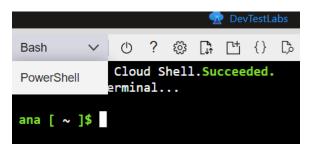
## Exercise 1

## Task 1: Start a PowerShell session in Azure Cloud Shell

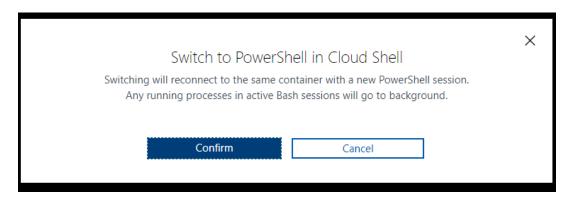
In this task, we will open a PowerShell session in Cloud Shell. We open the Azure Cloud Shell by clicking on the icon in the top right of the Azure Portal.



We then select PowerShell instead of Bash, from the dropdown menu.



After we select PowerShell, we are prompted, in our case, to switch form Bash to PowerShell. We confirm it.



Then we get the PowerShell screen.

```
PowerShell V () ? () [ the theorem | theorem |
```

Task 2: Create a resource group and an Azure managed disk by using Azure PowerShell

Every number corresponds to the subtask in the Lab.

1. To create a resource group.

```
PowerShell ∨ ∪ ? ☼ [ th th {} ]
Requesting a Cloud Shell.Succeeded.
Connecting terminal...
MOTD: Azure Cloud Shell now includes Predictive IntelliSense! Learn more: https://aka.ms/CloudShell/IntelliSense
VERBOSE: Authenticating to Azure ...
VERBOSE: Building your Azure drive ...
PS /home/ana> $location = (Get-AzResourceGroup -Name cloud-shell-storage-westeurope).Location
PS /home/ana> $rgName = 'clou
PS /home/ana> New-AzResourceGroup -Name $rgName -Location $location
Provided resource group already exists. Are you sure you want to update it?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
ResourceGroupName : cloud-shell-storage-westeurope
                 : westeurope
ProvisioningState : Succeeded
                  : /subscriptions/a97fb497-0035-40f2-ad68-f32f4b21efd8/resourceGroups/cloud-shell-storage-westeurope
ResourceId
PS /home/ana>
```

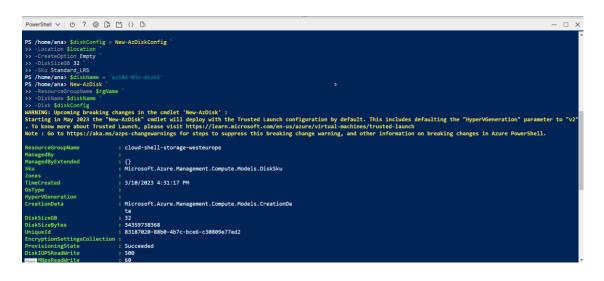
2. To retrieve properties of the newly created resource group.

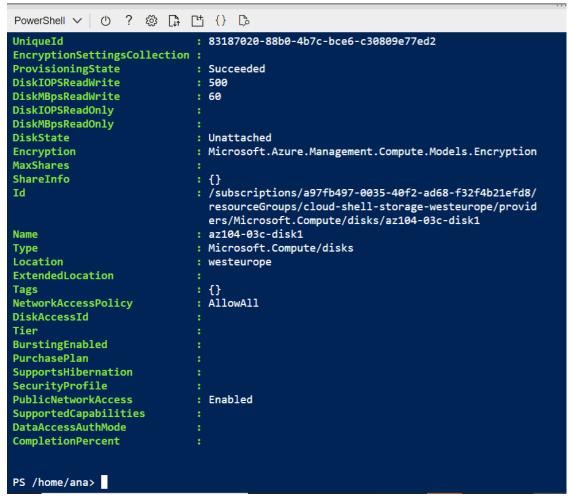
```
PS /home/ana> Get-AzResourceGroup -Name $rgName

ResourceGroupName : cloud-shell-storage-westeurope
Location : westeurope
ProvisioningState : Succeeded
Tags : ResourceId : /subscriptions/a97fb497-0035-40f2-ad68-f32f4b21efd8/resourceGroups/cloud-shell-storage-westeurope

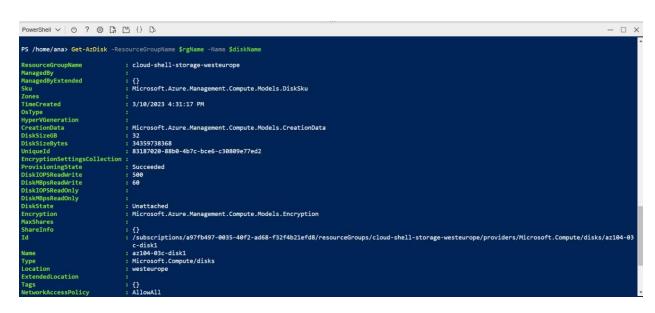
PS /home/ana>
```

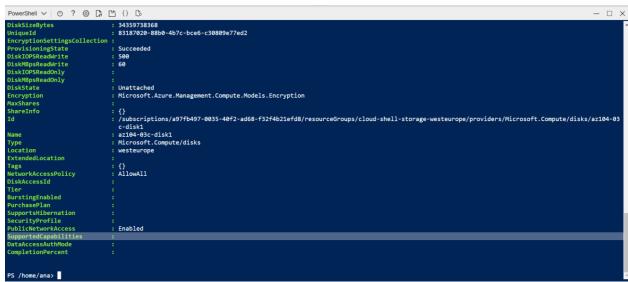
3. To create a new managed disk.





4. To retrieve properties of the newly created disk.





## Task 3: Configure the managed disk by using Azure PowerShell

In this task, we will be managing the configuration of the Azure managed disk by using Azure PowerShell session within Cloud Shell.

1. To increase the size of the Azure managed disk to 64 GB.

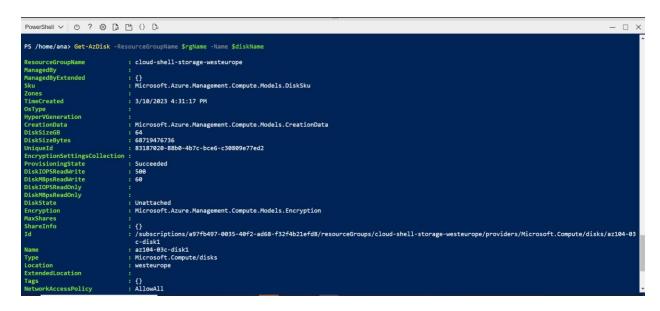
```
PowerShell V O ? © [] C' () D.

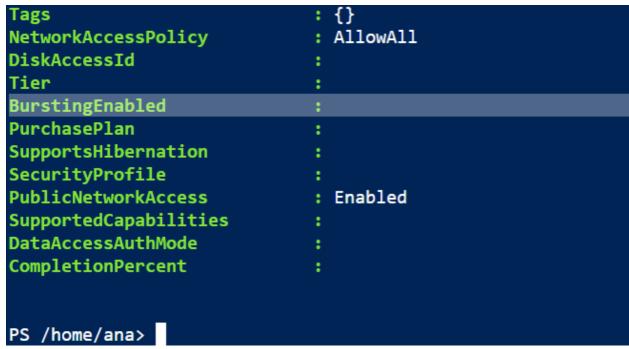
PS /home/ana> New-AzDiskUpdateConfig -DiskSize8B 64 | Update-AzDisk -ResourceGroupName SrgName -DiskName $diskName

ResourceGroupName
ResourceGroupName
RanagedBy
Ra
```

```
: az104-03c-disk1
Name
                             : Microsoft.Compute/disks
Type
Location
                             : westeurope
ExtendedLocation
Tags
                             : {}
NetworkAccessPolicy
                            : AllowAll
DiskAccessId
Tier
BurstingEnabled
PurchasePlan
SupportsHibernation
SecurityProfile
PublicNetworkAccess
                           : Enabled
SupportedCapabilities
DataAccessAuthMode
CompletionPercent
PS /home/ana>
```

2. To verify that the change took effect.





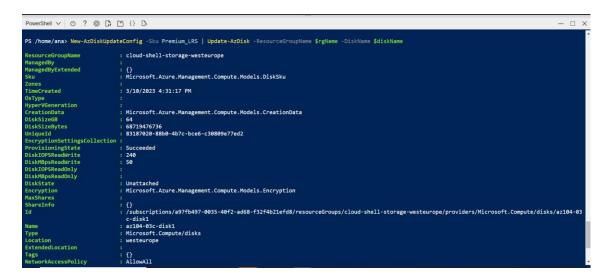
3. To verify the current SKU as Standard\_LRS.

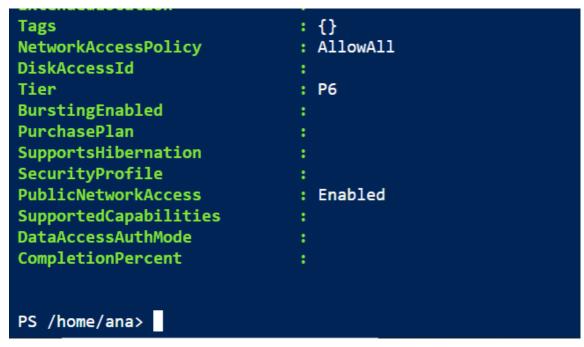
```
PS /home/ana> (Get-AzDisk -ResourceGroupName $rgName -Name $diskName).Sku

Name Tier
----
Standard_LRS Standard

PS /home/ana>
```

4. To change the disk performance SKU to Premium\_LRS.





5. To verify that the change took effect.

```
PS /home/ana> (Get-AzDisk -ResourceGroupName $rgName -Name $diskName).Sku

Name Tier
----
Premium_LRS Premium

PS /home/ana>
```