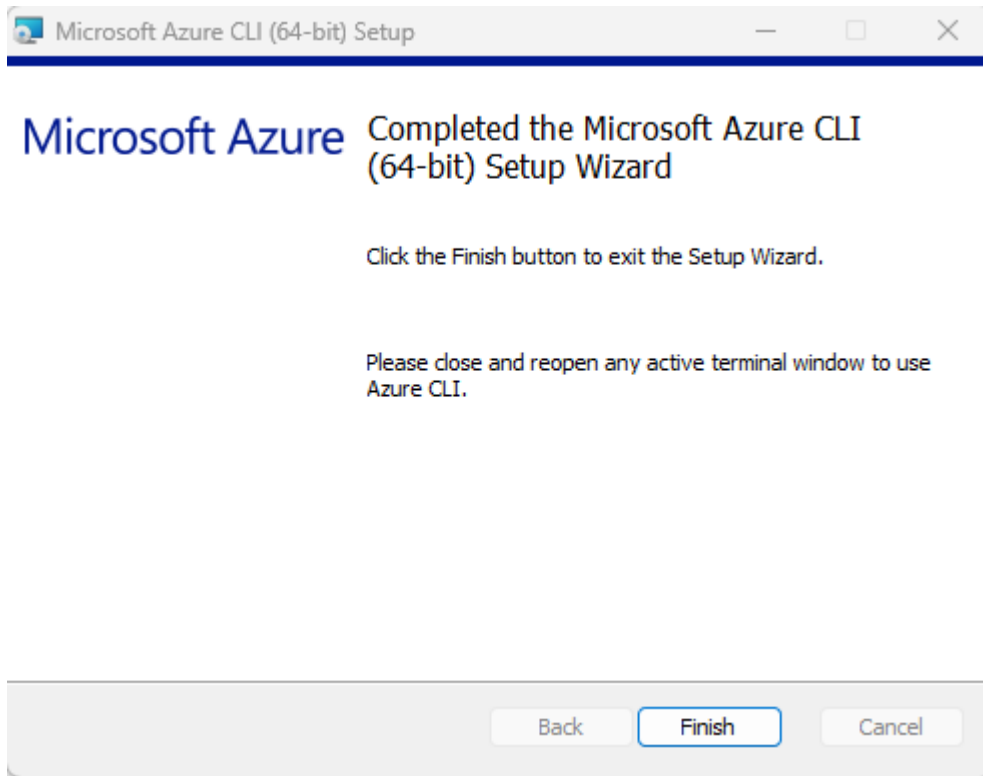


3. Install Azure CLI on your machine to list resources, get information about virtual machines.

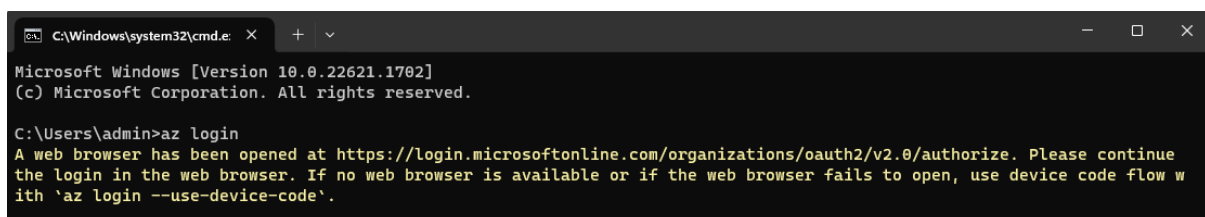
Install Azure CLI on Windows

- Download the Azure CLI Installer for Windows from the official Microsoft website
- Install the latest release of the Azure CLI. When the installer asks if it can make changes to your computer, select the "Yes" box.



- Once the installation is complete, open a new Command Prompt or PowerShell window.
- Log in to your Azure account using the following command:

az login



- Follow the instructions to open a web page, enter the provided code, and authenticate.

```

C:\Windows\system32\cmd.e X + v
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.

C:\Users\admin>az login
A web browser has been opened at https://login.microsoftonline.com/organizations/oauth2/v2.0/authorize. Please continue
the login in the web browser. If no web browser is available or if the web browser fails to open, use device code flow w
ith 'az login --use-device-code'.
[
  {
    "cloudName": "AzureCloud",
    "homeTenantId": "629ea6f9-fadd-4580-8cd8-c9380b1bedd0",
    "id": "7bde45ec-4211-4bec-97d8-cc8f1520e309",
    "isDefault": true,
    "managedByTenants": [],
    "name": "Free Trial",
    "state": "Enabled",
    "tenantId": "629ea6f9-fadd-4580-8cd8-c9380b1bedd0",
    "user": {
      "name": "krsureshit@live.com",
      "type": "user"
    }
  }
]

```

- After logging in, you can use the Azure CLI commands.

List Resources:

- To list Azure resources, you can use the following command:

az resource list --output table

```

C:\Users\admin>az resource list --output table

```

Name	Status	ResourceGroup	Location	Type
MSVM-DefaultWorkspace-7bde45ec-4211-4bec-97d8-cc8f1520e309-EUS		DefaultResourceGroup-EUS	eastus	Microsoft.Insights/dataCollectionRules
DefaultWorkspace-7bde45ec-4211-4bec-97d8-cc8f1520e309-EUS		DefaultResourceGroup-EUS	eastus	Microsoft.OperationalInsights/workspaces
NetworkWatcher_centralindia		NetworkWatcherRG	centralindia	Microsoft.Network/networkWatchers
windowsvm_OsDisk_1_3c3dfd04503e498db40b7d06bala5051		VMRG	centralindia	Microsoft.Compute/disks
windowsvm		vmrg	centralindia	Microsoft.Compute/virtualMachines
windowsvm/AzureMonitorWindowsAgent		vmrg	centralindia	Microsoft.Compute/virtualMachines/extensi
ons				
NotificationActionGroup		Vmrg	global	microsoft.insights/actiongroups
CPU3SPercent		Vmrg	global	microsoft.insights/metricalerts
windowsvm202		Vmrg	centralindia	Microsoft.Network/networkInterfaces
windowsvm-nsg		Vmrg	centralindia	Microsoft.Network/networkSecurityGroups
windowsvm-ip		Vmrg	centralindia	Microsoft.Network/publicIPAddresses
windowsvm-vnet		Vmrg	centralindia	Microsoft.Network/virtualNetworks
asmonitor		Vmrg	centralindia	Microsoft.Storage/storageAccounts

Get Information about Virtual Machines:

- To get information about virtual machines, you can use the following command:
- This command lists all virtual machines across all resource groups in your subscription.

az vm list --output table

```

C:\Users\admin>az vm list --output table

```

Name	ResourceGroup	Location	Zones
windowsvm	VMRG	centralindia	

List all virtual machines in a resource group:

- az vm list --resource-group <resource-group-name> --output table

```
C:\Users\admin>az vm list --resource-group vmrg --output table
Name          ResourceGroup Location      Zones
-----
windowssvm    vmrg          centralindia
```

Show details about a specific virtual machine:

- az vm show --resource-group <resource-group-name> --name <vm-name> --output table

```
C:\Users\admin>az vm show --resource-group vmrg --name windowssvm --output table
Name          ResourceGroup Location      Zones
-----
windowssvm    vmrg          centralindia
```

Get IP address of a specific virtual machine

- az vm show --resource-group <resource-group-name> --name <vm-name> --query 'publicIps' --output tsv

```
C:\Users\admin>az vm show --resource-group vmrg --name windowssvm --query 'privateIps' --output tsv
privateIps

C:\Users\admin>az vm show --resource-group vmrg --name windowssvm --query 'publicIps' --output tsv
publicIps
```

List VM sizes available in a specific region:

- az vm list-sizes --location <region-name> --output table

```
C:\Users\admin>az vm list-sizes --location centralindia --output table
MaxDataDiskCount  MemoryInMB  Name          NumberOfCores  OsDiskSizeInMB  ResourceDiskSizeInMB
-----
4                  4096        Standard_F2s_v2  2              1047552          16384
8                  8192        Standard_F4s_v2  4              1047552          32768
16                 16384       Standard_F8s_v2  8              1047552          65536
32                 32768       Standard_F16s_v2 16             1047552          131072
32                 65536       Standard_F32s_v2 32             1047552          262144
32                 98304       Standard_F64s_v2 48             1047552          524288
32                 131072      Standard_F64s_v2 64             1047552          524288
32                 147456      Standard_F72s_v2 72             1047552          589824
4                  8192        Standard_DC2as_v5 2              1047552          0
8                  16384       Standard_DC4as_v5 4              1047552          0
16                 32768       Standard_DC8as_v5 8              1047552          0
32                 65536       Standard_DC16as_v5 16             1047552          0
32                 131072      Standard_DC32as_v5 32             1047552          0
32                 196608      Standard_DC48as_v5 48             1047552          0
32                 262144      Standard_DC64as_v5 64             1047552          0
32                 393216      Standard_DC96as_v5 96             1047552          0
4                  8192        Standard_DC2ads_v5 2              1047552          76800
8                  16384       Standard_DC4ads_v5 4              1047552          153600
16                 32768       Standard_DC8ads_v5 8              1047552          307200
32                 65536       Standard_DC16ads_v5 16             1047552          614400
32                 131072      Standard_DC32ads_v5 32             1047552          1228800
32                 196608      Standard_DC48ads_v5 48             1047552          1843200
```