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OMR, CHENNAI - 119

PLACEMENT EMPOWERMENT PROGRAM

Cloud Computing & DevOps Centre

Install CLI in Azure. Use it to list resources, upload files to storage, and manage Virtual Machines.

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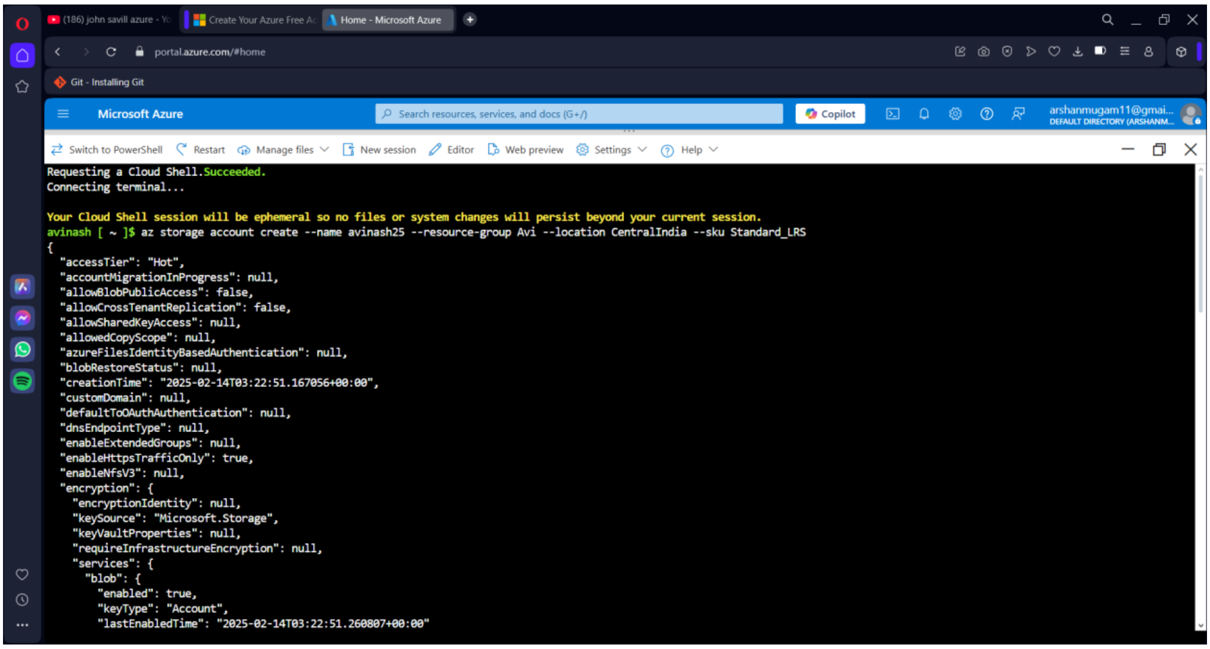
INTRODUCTION

Installing the Azure CLI is the first step to accessing and automating tasks in your Azure environment. Once installed, you can use it to list and manage resources like virtual machines, storage accounts, and more. The CLI provides commands for interacting with your Azure subscription, such as listing all resources, uploading files to Azure Storage, and managing virtual machines. Whether you're creating new VMs, uploading blobs to a storage container, or performing routine management tasks, the Azure CLI enables you to work efficiently and effectively with your Azure resources. This guide will walk you through installing the Azure CLI and using it to perform these tasks.

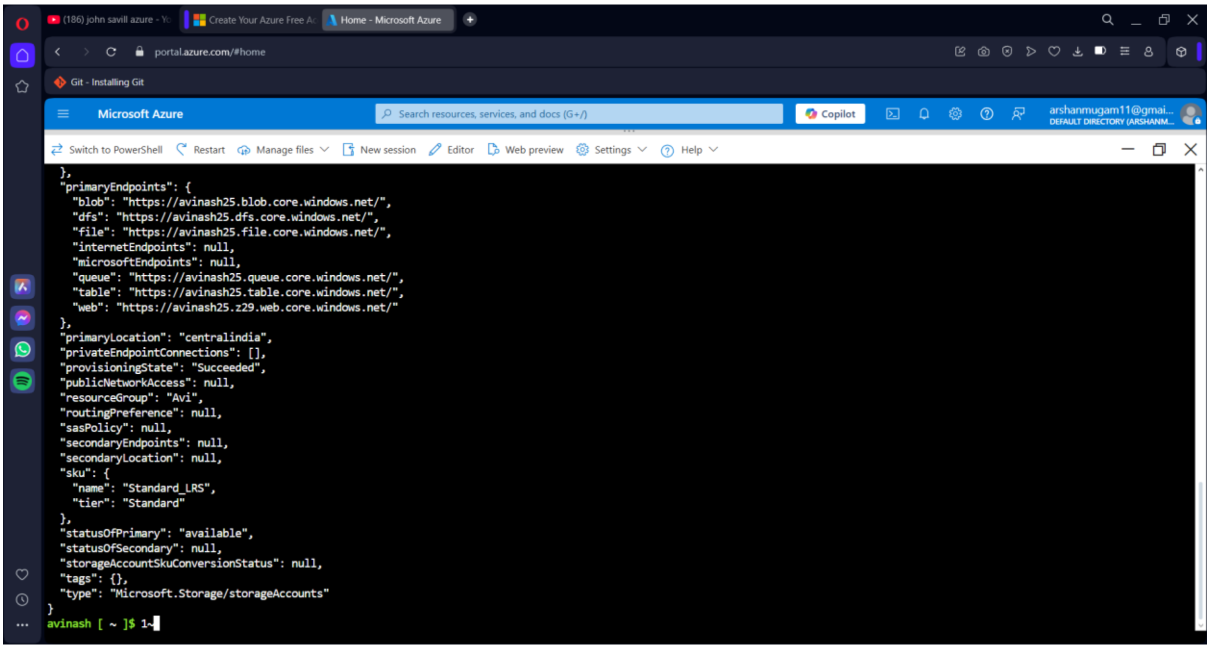
Step-by-step process:

Step 1: Open Azure CLI and enter the following command for creating a “Storage Account”.

Cmd: az storage account create --name <your_storage_account_name> --resource-group <your_resource_group_name> --location <your_location> --sku Standard_LRS



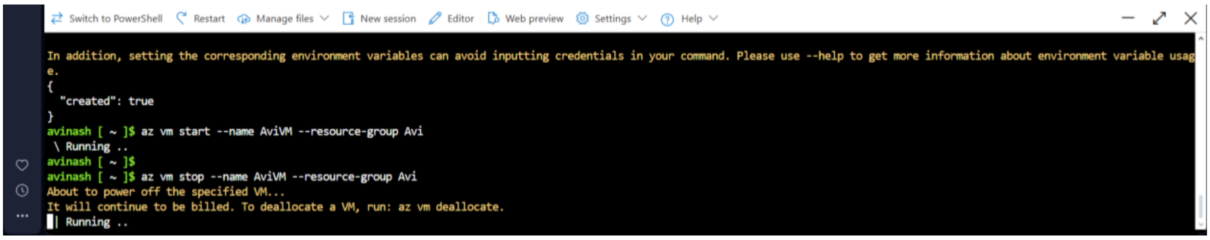
```
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session.
avinash [ ~ ]$ az storage account create --name avinash25 --resource-group Avi --location CentralIndia --sku Standard_LRS
{
  "accessTier": "Hot",
  "accountMigrationInProgress": null,
  "allowBlobPublicAccess": false,
  "allowCrossTenantReplication": false,
  "allowSharedKeyAccess": null,
  "allowedCopyScope": null,
  "azureFilesIdentityBasedAuthentication": null,
  "blobRestoreStatus": null,
  "creationTime": "2025-02-14T03:22:51.167056+00:00",
  "customDomain": null,
  "defaultToOAuthAuthentication": null,
  "dnsEndpointType": null,
  "enableExtendedGroups": null,
  "enableHttpsTrafficOnly": true,
  "enableNfsV3": null,
  "encryption": {
    "encryptionIdentity": null,
    "keySource": "Microsoft.Storage",
    "keyVaultProperties": null,
    "requireInfrastructureEncryption": null,
    "services": {
      "blob": {
        "enabled": true,
        "keyType": "Account",
        "lastEnabledTime": "2025-02-14T03:22:51.260807+00:00"
```



```
  },
  "primaryEndpoints": {
    "blob": "https://avinash25.blob.core.windows.net/",
    "dfs": "https://avinash25.dfs.core.windows.net/",
    "file": "https://avinash25.file.core.windows.net/",
    "internetEndpoints": null,
    "microsoftEndpoints": null,
    "queue": "https://avinash25.queue.core.windows.net/",
    "table": "https://avinash25.table.core.windows.net/",
    "web": "https://avinash25.z29.web.core.windows.net/"
  },
  "primaryLocation": "centralindia",
  "privateEndpointConnections": [],
  "provisioningState": "Succeeded",
  "publicNetworkAccess": null,
  "resourceGroup": "Avi",
  "routingPreference": null,
  "sasPolicy": null,
  "secondaryEndpoints": null,
  "secondaryLocation": null,
  "sku": {
    "name": "Standard_LRS",
    "tier": "Standard"
  },
  "statusOfPrimary": "available",
  "statusOfSecondary": null,
  "storageAccountSkuConversionStatus": null,
  "tags": {},
  "type": "Microsoft.Storage/storageAccounts"
}
avinash [ ~ ]$ 1~
```

Step 2: Create a “BLOB CONTAINER” for uploading files. Run the following command.

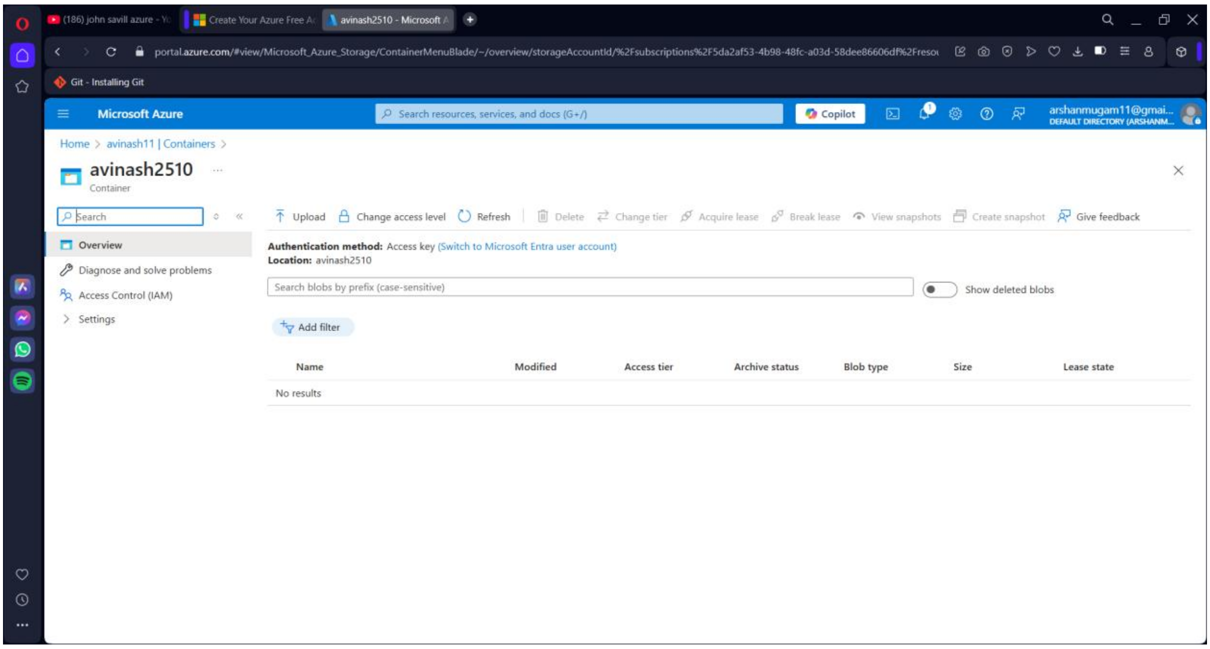
Cmd: az storage container create --name <your_container_name> --account-name <your_storage_account_name>



```
In addition, setting the corresponding environment variables can avoid inputting credentials in your command. Please use --help to get more information about environment variable usag
e.
{
  "created": true
}
avinash [ ~ ]$ az vm start --name AviVM --resource-group Avi
 \ Running ..
avinash [ ~ ]$
avinash [ ~ ]$ az vm stop --name AviVM --resource-group Avi
About to power off the specified VM...
It will continue to be billed. To deallocate a VM, run: az vm deallocate.
▌| Running ..
```

Step 3: Upload a file to the “Blob Container”. Open the container you created it in your Storage

Account.

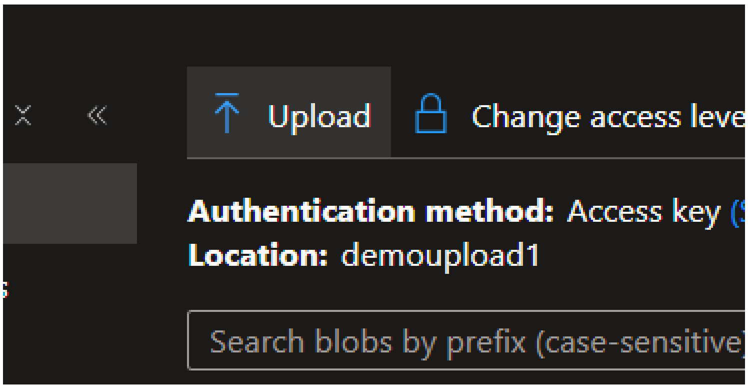


(186) john savill azure - Yo
Create Your Azure Free A
avinash2510 - Microsoft A
portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F5da2af53-4b98-48fc-a03d-58dee86606df%2Fresou
Git - Installing Git
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
arshanmugam11@gmai...
DEFAULT DIRECTORY (ARSHANM...
Home > avinash11 | Containers >
avinash2510
Container
Search
Overview
Diagnose and solve problems
Access Control (IAM)
Settings
Upload
Change access level
Refresh
Delete
Change tier
Acquire lease
Break lease
View snapshots
Create snapshot
Give feedback
Search blobs by prefix (case-sensitive)
Show deleted blobs
Add filter

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: avinash2510

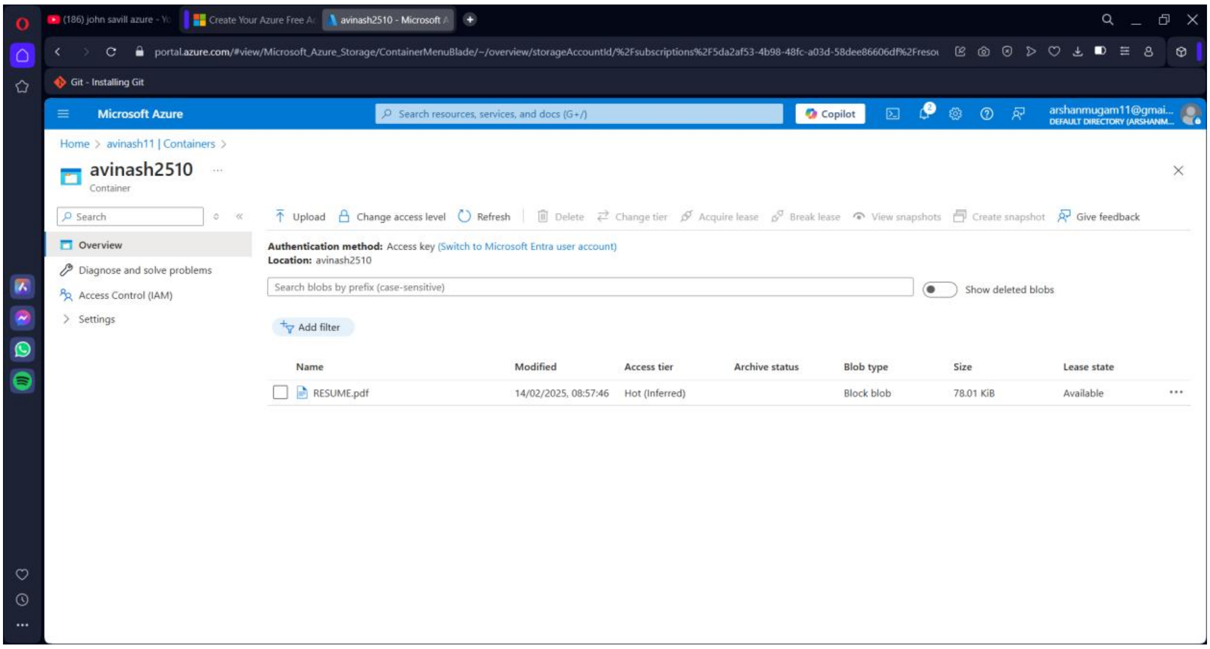
Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
No results						

Upload:



Authentication method: Access key (
Location: demoupload1

Once you drop your file, then click on upload.



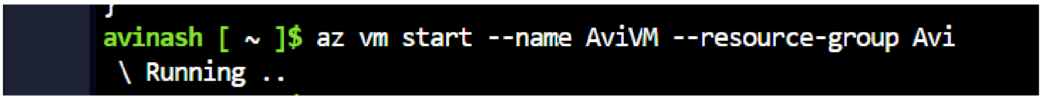
avinash2510
Container

Authentication method: Access key (Switch to Microsoft Entra user account)
Location: avinash2510

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
RESUME.pdf	14/02/2025, 08:57:46	Hot (Inferred)		Block blob	78.01 KiB	Available

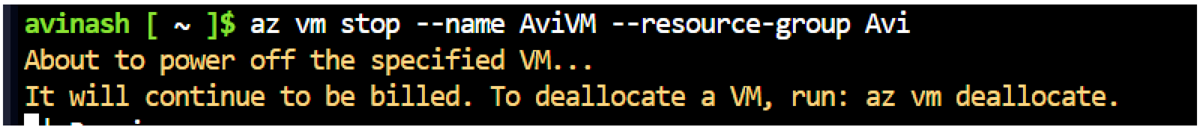
Step 4: Start the VM by running the Following command or you can open the portal, go to your VM and click on Start.

Cmd: az vm start --name <your_vm_name> --resource-group <your_resource_group_name>



```
avinash [ ~ ]$ az vm start --name AviVM --resource-group Avi
 \ Running ..
```

For stopping: az vm stop --name <your_vm_name> --resource-group <your_resource_group_name>



```
avinash [ ~ ]$ az vm stop --name AviVM --resource-group Avi
About to power off the specified VM...
It will continue to be billed. To deallocate a VM, run: az vm deallocate.
```