**Demo 1 - CLI vs Portal**

1. Portal create VM
2. Create VM with Azure CLI

**az group create --name demo1b --location "eastus"**

**az vm create -g demo1b -n demo1bvm --image win2016datacenter --admin-username sysadmin --admin-password 'P@ssw0rd!234'**

1. Create the VM with PowerShell

**Connect-AzureRmAccount**

**New-AzureRmResourceGroup -ResourceGroupName "myResourceGroupVM" -Location "EastUS"**

**$cred = Get-Credential**

**New-AzureRmVm -ResourceGroupName "myResourceGroupVM" -Name "myVM" -Location "EastUS" -VirtualNetworkName "myVnet" -SubnetName "mySubnet" -SecurityGroupName "myNetworkSecurityGroup" -PublicIpAddressName "myPublicIpAddress" -Credential $cred**

**Demo 2 – Run or Install**

1. Container
   1. SHOW PowerShell Script to run the container
   2. Explain – commands
2. Authentication
   1. **AZ LOGIN** From container
   2. **AZ LOGIN** From CMD
      1. EXPLAIN Interactive
3. Browse to **SHELL.AZURE.COM**

**AZ Account list**

1. Portal
   1. Run **Shell** in Portal Shell

**Demo 3 – Service Principals**

1. Show AZ code - In Linux on windows

In ubuntu

**NANO SPlogin.sh**

Talk about “az login --service-principal”

Note : **--username ee072593-9596-4e0c-8931-6c1408153021**

**App\_ID not Name**

1. Execute SPlogin.sh

**./SPlogin.sh**

Switch to Azure portal

Navigate to Resource Group

Select demo11

Navigate to Activity log

Point to “Event Initiated By”

**Demo 4 – CLI Basic**

1. Show AZ code - In Linux on windows

**nano ~/flask-voting-app-mysql/deployment/azure-vmss/azure-vote-vmss.sh**

go through code

**exit nano**

1. Hoe to get help

**az –-help or az -h**

**az group -h for subgroup help**

**az group list talk about JSON**

**az group list -o table**

**az group create -h** **point to argument [required] Global**

**az group delete --no-wait -n demo11 -y**

**talk about “—no-wait”**

**az account list --query [].[name]**

**az account list --query "[?contains(name,'hotmail')]"**

**az account list --query "[?contains(name,'hotmail')]" -o table**

**az configure**