**You said:**

PS C:\Windows\system32> az group create --name learning-azure-cli --location westus Terminate batch job (Y/N)? y PS C:\Windows\system32> az group create --name learning-azure-cli --location eastus (InvalidResourceGroupLocation) Invalid resource group location 'eastus'. The Resource group already exists in location 'westus'. Code: InvalidResourceGroupLocation Message: Invalid resource group location 'eastus'. The Resource group already exists in location 'westus'. PS C:\Windows\system32> az version { "azure-cli": "2.71.0", "azure-cli-core": "2.71.0", "azure-cli-telemetry": "1.1.0", "extensions": {} } PS C:\Windows\system32> az group create --name learning-azure-cli --location eastus (InvalidResourceGroupLocation) Invalid resource group location 'eastus'. The Resource group already exists in location 'westus'. Code: InvalidResourceGroupLocation Message: Invalid resource group location 'eastus'. The Resource group already exists in location 'westus'. PS C:\Windows\system32>

**ChatGPT said:**

The error you're seeing indicates that a resource group named learning-azure-cli already exists in the westus region, so you cannot create another resource group with the same name in a different location (eastus).

To resolve this, you have a couple of options:

1. **Delete the existing resource group**: If you no longer need the resource group in westus, you can delete it and then create a new one in eastus:

bash

CopyEdit

az group delete --name learning-azure-cli --yes --no-wait

1. **Create a new resource group with a different name**: If you need to keep the existing learning-azure-cli resource group in westus, create a new resource group with a different name in the eastus region:

bash

CopyEdit

az group create --name learning-azure-cli-eastus --location eastus

Let me know if you need further assistance!

4o

**You said:**

azure cli command for creating resources - just like diff commands for creating resources

**ChatGPT said:**

Here are some common Azure CLI commands to create various resources in Azure:

**1. Create a Resource Group**

bash

CopyEdit

az group create --name <ResourceGroupName> --location <Region>

Example:

bash

CopyEdit

az group create --name myResourceGroup --location eastus

**2. Create a Virtual Machine**

bash

CopyEdit

az vm create --resource-group <ResourceGroupName> --name <VMName> --image <ImageName> --admin-username <Username> --admin-password <Password> --size <VMSize>

Example:

bash

CopyEdit

az vm create --resource-group myResourceGroup --name myVM --image UbuntuLTS --admin-username azureuser --admin-password MyPassword123 --size Standard\_B1ms

**3. Create a Storage Account**

bash

CopyEdit

az storage account create --name <StorageAccountName> --resource-group <ResourceGroupName> --location <Region> --sku <SKU>

Example:

bash

CopyEdit

az storage account create --name mystorageaccount --resource-group myResourceGroup --location eastus --sku Standard\_LRS

**4. Create a Virtual Network**

bash

CopyEdit

az network vnet create --resource-group <ResourceGroupName> --name <VNetName> --address-prefix <AddressPrefix>

Example:

bash

CopyEdit

az network vnet create --resource-group myResourceGroup --name myVNet --address-prefix 10.0.0.0/16

**5. Create a Subnet**

bash

CopyEdit

az network vnet subnet create --resource-group <ResourceGroupName> --vnet-name <VNetName> --name <SubnetName> --address-prefix <AddressPrefix>

Example:

bash

CopyEdit

az network vnet subnet create --resource-group myResourceGroup --vnet-name myVNet --name mySubnet --address-prefix 10.0.1.0/24

**6. Create a Public IP Address**

bash

CopyEdit

az network public-ip create --resource-group <ResourceGroupName> --name <PublicIPName> --allocation-method <AllocationMethod>

Example:

bash

CopyEdit

az network public-ip create --resource-group myResourceGroup --name myPublicIP --allocation-method Dynamic

**7. Create a Network Security Group**

bash

CopyEdit

az network nsg create --resource-group <ResourceGroupName> --name <NSGName>

Example:

bash

CopyEdit

az network nsg create --resource-group myResourceGroup --name myNSG

**8. Create a SQL Database**

bash

CopyEdit

az sql db create --resource-group <ResourceGroupName> --server <ServerName> --name <DBName> --service-objective <ServiceObjective>

Example:

bash

CopyEdit

az sql db create --resource-group myResourceGroup --server myServer --name myDatabase --service-objective S1

**9. Create a Key Vault**

bash

CopyEdit

az keyvault create --name <KeyVaultName> --resource-group <ResourceGroupName> --location <Region>

Example:

bash

CopyEdit

az keyvault create --name myKeyVault --resource-group myResourceGroup --location eastus

**10. Create an App Service Plan**

bash

CopyEdit

az appservice plan create --name <AppServicePlanName> --resource-group <ResourceGroupName> --sku <SKU> --is-linux

Example:

bash

CopyEdit

az appservice plan create --name myAppServicePlan --resource-group myResourceGroup --sku B1 --is-linux

**11. Create a Web App**

bash

CopyEdit

az webapp create --resource-group <ResourceGroupName> --plan <AppServicePlanName> --name <WebAppName>

Example:

bash

CopyEdit

az webapp create --resource-group myResourceGroup --plan myAppServicePlan --name myWebApp

**12. Create an Azure Kubernetes Service (AKS) Cluster**

bash

CopyEdit

az aks create --resource-group <ResourceGroupName> --name <ClusterName> --node-count <NodeCount> --enable-addons monitoring --generate-ssh-keys

Example:

bash

CopyEdit

az aks create --resource-group myResourceGroup --name myAKSCluster --node-count 3 --enable-addons monitoring --generate-ssh-keys

**13. Create a Load Balancer**

bash

CopyEdit

az network lb create --resource-group <ResourceGroupName> --name <LoadBalancerName> --frontend-ip-name <FrontendIPName> --backend-pool-name <BackendPoolName> --sku <SKU>

Example:

bash

CopyEdit

az network lb create --resource-group myResourceGroup --name myLoadBalancer --frontend-ip-name myFrontendIP --backend-pool-name myBackendPool --sku Standard

These are just some of the common resources you can create using Azure CLI. Make sure to modify the parameters and resource names as per your project requirements. Let me know if you need help with specific resources!

4o

**You said:**

continue please

**ChatGPT said:**

Certainly! Here are more Azure CLI commands for creating additional resources:

**14. Create an Azure Container Instance**

bash

CopyEdit

az container create --resource-group <ResourceGroupName> --name <ContainerName> --image <DockerImage> --cpu <CPU> --memory <Memory> --registry-login-server <RegistryLoginServer> --registry-username <RegistryUsername> --registry-password <RegistryPassword>

Example:

bash

CopyEdit

az container create --resource-group myResourceGroup --name myContainer --image nginx --cpu 1 --memory 1.5 --registry-login-server myregistry.azurecr.io --registry-username myusername --registry-password mypassword

**15. Create an Azure Container Registry (ACR)**

bash

CopyEdit

az acr create --resource-group <ResourceGroupName> --name <RegistryName> --sku <SKU>

Example:

bash

CopyEdit

az acr create --resource-group myResourceGroup --name myContainerRegistry --sku Basic

**16. Create a Function App**

bash

CopyEdit

az functionapp create --resource-group <ResourceGroupName> --consumption-plan-location <Region> --runtime <Runtime> --runtime-version <RuntimeVersion> --name <FunctionAppName> --storage-account <StorageAccountName>

Example:

bash

CopyEdit

az functionapp create --resource-group myResourceGroup --consumption-plan-location eastus --runtime node --runtime-version 14 --name myFunctionApp --storage-account mystorageaccount

**17. Create an Event Hub**

bash

CopyEdit

az eventhubs namespace create --resource-group <ResourceGroupName> --name <NamespaceName> --location <Region>

az eventhubs eventhub create --resource-group <ResourceGroupName> --namespace-name <NamespaceName> --name <EventHubName>

Example:

bash

CopyEdit

az eventhubs namespace create --resource-group myResourceGroup --name myNamespace --location eastus

az eventhubs eventhub create --resource-group myResourceGroup --namespace-name myNamespace --name myEventHub

**18. Create a Redis Cache**

bash

CopyEdit

az redis create --name <RedisCacheName> --resource-group <ResourceGroupName> --location <Region> --sku <SKU> --vm-size <VMSize>

Example:

bash

CopyEdit

az redis create --name myRedisCache --resource-group myResourceGroup --location eastus --sku Basic --vm-size C0

**19. Create a Virtual Machine Scale Set**

bash

CopyEdit

az vmss create --resource-group <ResourceGroupName> --name <VMSSName> --image <VMImage> --upgrade-policy-mode <UpgradeMode> --admin-username <Username> --admin-password <Password> --instance-count <InstanceCount>

Example:

bash

CopyEdit

az vmss create --resource-group myResourceGroup --name myVMSS --image UbuntuLTS --upgrade-policy-mode automatic --admin-username azureuser --admin-password MyPassword123 --instance-count 3

**20. Create a Key Vault Secret**

bash

CopyEdit

az keyvault secret set --vault-name <KeyVaultName> --name <SecretName> --value <SecretValue>

Example:

bash

CopyEdit

az keyvault secret set --vault-name myKeyVault --name mySecret --value mySecretValue123

**21. Create a Traffic Manager Profile**

bash

CopyEdit

az network traffic-manager profile create --resource-group <ResourceGroupName> --name <ProfileName> --routing-method <RoutingMethod> --unique-dns-name <UniqueDNSName> --monitor-path <MonitorPath> --monitor-port <MonitorPort> --monitor-protocol <MonitorProtocol>

Example:

bash

CopyEdit

az network traffic-manager profile create --resource-group myResourceGroup --name myTrafficManagerProfile --routing-method Performance --unique-dns-name myprofile --monitor-path /health --monitor-port 80 --monitor-protocol http

**22. Create a Virtual Machine Extension**

bash

CopyEdit

az vm extension set --resource-group <ResourceGroupName> --vm-name <VMName> --name <ExtensionName> --publisher <PublisherName> --type <Type> --version <Version>

Example:

bash

CopyEdit

az vm extension set --resource-group myResourceGroup --vm-name myVM --name CustomScriptExtension --publisher Microsoft.Compute --type CustomScript --version 1.10 --script "install.sh"

**23. Create a Load Balancer Rule**

bash

CopyEdit

az network lb rule create --resource-group <ResourceGroupName> --lb-name <LoadBalancerName> --name <RuleName> --protocol <Protocol> --frontend-port <FrontendPort> --backend-port <BackendPort> --frontend-ip-name <FrontendIPName> --backend-pool-name <BackendPoolName>

Example:

bash

CopyEdit

az network lb rule create --resource-group myResourceGroup --lb-name myLoadBalancer --name myLBRule --protocol Tcp --frontend-port 80 --backend-port 80 --frontend-ip-name myFrontendIP --backend-pool-name myBackendPool

**24. Create an Application Gateway**

bash

CopyEdit

az network application-gateway create --resource-group <ResourceGroupName> --name <AppGatewayName> --sku <SKU> --capacity <InstanceCount> --vnet-name <VNetName> --subnet <SubnetName>

Example:

bash

CopyEdit

az network application-gateway create --resource-group myResourceGroup --name myAppGateway --sku Standard\_V2 --capacity 2 --vnet-name myVNet --subnet mySubnet

**25. Create an Azure Active Directory (AAD) Tenant**

bash

CopyEdit

az ad tenant create --display-name <DisplayName> --country <Country>

Example:

bash

CopyEdit

az ad tenant create --display-name MyAADTenant --country US

**26. Create an Azure Active Directory (AAD) User**

bash

CopyEdit

az ad user create --display-name <UserDisplayName> --user-principal-name <UserPrincipalName> --password <Password>

Example:

bash

CopyEdit

az ad user create --display-name JohnDoe --user-principal-name johndoe@mytenant.com --password MyPassword123

These commands should help you create a wide variety of resources in Azure using Azure CLI. Let me know if you need more details or assistance with any specific resource creation!

4o

**You said:**

continue please

**ChatGPT said:**

Certainly! Here are more Azure CLI commands for creating additional resources:

**27. Create an Azure Managed Disk**

bash

CopyEdit

az disk create --resource-group <ResourceGroupName> --name <DiskName> --size-gb <DiskSize> --sku <SKU> --os-type <OS> --source <SnapshotNameOrVHDPath>

Example:

bash

CopyEdit

az disk create --resource-group myResourceGroup --name myManagedDisk --size-gb 128 --sku Premium\_LRS --os-type Linux --source /subscriptions/<subscription-id>/resourceGroups/<resource-group>/providers/Microsoft.Storage/snapshots/<snapshot-name>

**28. Create an Azure Service Principal**

bash

CopyEdit

az ad sp create-for-rbac --name <ServicePrincipalName> --role <Role> --scopes /subscriptions/<subscription-id>/resourceGroups/<ResourceGroupName>

Example:

bash

CopyEdit

az ad sp create-for-rbac --name myServicePrincipal --role Contributor --scopes /subscriptions/mySubscriptionId/resourceGroups/myResourceGroup

**29. Create an Azure Application Insights Resource**

bash

CopyEdit

az monitor app-insights component create --app <AppName> --resource-group <ResourceGroupName> --location <Region> --application-type <AppType>

Example:

bash

CopyEdit

az monitor app-insights component create --app myAppInsights --resource-group myResourceGroup --location eastus --application-type web

**30. Create a Virtual Machine Disk Snapshot**

bash

CopyEdit

az snapshot create --resource-group <ResourceGroupName> --name <SnapshotName> --source <VMDiskName> --sku <SKU>

Example:

bash

CopyEdit

az snapshot create --resource-group myResourceGroup --name myVMSnapshot --source myVMDisk --sku Premium\_LRS

**31. Create an Azure Load Balancer Backend Pool**

bash

CopyEdit

az network lb address-pool create --resource-group <ResourceGroupName> --lb-name <LoadBalancerName> --name <BackendPoolName>

Example:

bash

CopyEdit

az network lb address-pool create --resource-group myResourceGroup --lb-name myLoadBalancer --name myBackendPool

**32. Create an Azure Virtual Machine Availability Set**

bash

CopyEdit

az vm availability-set create --resource-group <ResourceGroupName> --name <AvailabilitySetName> --platform-fault-domain-count <FaultDomainCount> --platform-update-domain-count <UpdateDomainCount>

Example:

bash

CopyEdit

az vm availability-set create --resource-group myResourceGroup --name myAvailabilitySet --platform-fault-domain-count 2 --platform-update-domain-count 5

**33. Create a SQL Server**

bash

CopyEdit

az sql server create --name <ServerName> --resource-group <ResourceGroupName> --location <Region> --admin-user <AdminUsername> --admin-password <AdminPassword>

Example:

bash

CopyEdit

az sql server create --name mySqlServer --resource-group myResourceGroup --location eastus --admin-user adminuser --admin-password MyPassword123

**34. Create a Storage Container**

bash

CopyEdit

az storage container create --name <ContainerName> --account-name <StorageAccountName>

Example:

bash

CopyEdit

az storage container create --name mycontainer --account-name mystorageaccount

**35. Create an Azure Virtual Desktop (AVD) Host Pool**

bash

CopyEdit

az desktopvirtualization hostpool create --resource-group <ResourceGroupName> --name <HostPoolName> --location <Region> --friendly-name <FriendlyName> --host-pool-type <Type> --custom-rdp-property <CustomRDPProperty>

Example:

bash

CopyEdit

az desktopvirtualization hostpool create --resource-group myResourceGroup --name myHostPool --location eastus --friendly-name "My Host Pool" --host-pool-type "Personal" --custom-rdp-property "audiocapturemode:i:1"

**36. Create an Azure CDN Profile**

bash

CopyEdit

az cdn profile create --name <CDNProfileName> --resource-group <ResourceGroupName> --sku <SKU> --location <Region>

Example:

bash

CopyEdit

az cdn profile create --name myCDNProfile --resource-group myResourceGroup --sku Standard\_Verizon --location eastus

**37. Create an Azure Key Vault Access Policy**

bash

CopyEdit

az keyvault set-policy --name <KeyVaultName> --resource-group <ResourceGroupName> --spn <ServicePrincipalName> --key-permissions <KeyPermissions> --secret-permissions <SecretPermissions>

Example:

bash

CopyEdit

az keyvault set-policy --name myKeyVault --resource-group myResourceGroup --spn myServicePrincipal --key-permissions get list --secret-permissions get list

**38. Create an Azure SQL Managed Instance**

bash

CopyEdit

az sql mi create --name <ManagedInstanceName> --resource-group <ResourceGroupName> --location <Region> --sku <SKU> --administrator-login <AdminLogin> --administrator-login-password <AdminPassword>

Example:

bash

CopyEdit

az sql mi create --name mySQLManagedInstance --resource-group myResourceGroup --location eastus --sku GP\_Gen5\_2 --administrator-login admin --administrator-login-password MyPassword123

**39. Create an Azure Cosmos DB Account**

bash

CopyEdit

az cosmosdb create --name <CosmosDBAccountName> --resource-group <ResourceGroupName> --kind <Kind> --locations region-name=<Region> --default-consistency-level <ConsistencyLevel>

Example:

bash

CopyEdit

az cosmosdb create --name myCosmosDBAccount --resource-group myResourceGroup --kind GlobalDocumentDB --locations region-name=eastus --default-consistency-level Eventual

**40. Create an Azure Web Application Firewall (WAF)**

bash

CopyEdit

az network application-gateway waf-config set --resource-group <ResourceGroupName> --gateway-name <AppGatewayName> --enabled true --firewall-mode <FirewallMode>

Example:

bash

CopyEdit

az network application-gateway waf-config set --resource-group myResourceGroup --gateway-name myAppGateway --enabled true --firewall-mode Prevention

**41. Create a Virtual WAN**

bash

CopyEdit

az network vwan create --resource-group <ResourceGroupName> --name <WANName> --location <Region>

Example:

bash

CopyEdit

az network vwan create --resource-group myResourceGroup --name myVirtualWAN --location eastus

These are a few more Azure resources that you can create using Azure CLI commands. You can adjust the parameters based on your specific use case and the resources you are working with. Let me know if you need further information or additional resource creation commands!

user121@DESKTOP-JFJ21I5 MINGW64 /d/Amazon ECS Crash Course by Udemuy

$ az group create --name vscode1 --location 'east US'

{