



80 MUST KNOW AZURE-CLI COMMANDS

CHEAT SHEET



Microsoft
Azure

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Repost

Resource Management



Log in to your Azure account

az login

List all available Azure subscriptions

az account list

Delete a resource group

az group delete
--name "rsg-name"

Compute



Create a new virtual machine

az vm create
--rsg "rsg-name"
--name "vm-name"
--image "UbuntuLTS"
--location "region"
--admin-username "username"
--generate-ssh-keys

List all virtual machines

az vm list

Start a virtual machine

az vm start
--resource-group "rsg-name"
--name "vm-name"

Stop a virtual machine

az vm stop
--resource-group "rsg-name"
--name "vm-name"

Delete a virtual machine

az vm delete
--resource-group "rsg-name"
--name "vm-name"

Create a new virtual machine scale set

```
az vmss create --resource-group  
"rsg-name"  
--name "vmss-name"  
--image "UbuntuLTS"  
--location "region"  
--admin-username "username"  
--generate-ssh-keys  
--upgrade-policy-mode  
"automatic" --instance-count "3"
```

List all virtual machine scale sets

```
az vmss list
```

Storage

Create a new storage account

```
az storage account create  
--resource-group "rsg-name"  
--name "account-name"  
--location "region"  
--sku "Standard_LRS"
```

List all virtual machine scale sets

```
az storage account list
```

Create a new blob container

```
az storage container create  
--name "container-name"  
--account-name "account-name"  
--account-key "account-key"
```

List all blob containers

```
az storage container list  
--account-name "account-name"  
--account-key "account-key"
```

Upload a file to a blob container

```
az storage blob upload  
--account-name "account-name"  
--account-key "account-key"  
--container-name "container-  
name" --type block  
--name "blob-name"  
--file "local-file-path"
```

Networking



Create a new virtual network

```
az network vnet create
--resource-group "rsg-name" --
name "vnet-name"
--location "region"
--address-prefix "10.0.0.0/16"
```

Create a new subnet

```
az network vnet subnet create
--resource-group "rsg-name"
--vnet-name "vnet-name"
--name "subnet-name"
--address-prefix "10.0.1.0/24"
```

Create a new public IP address

```
az network public-ip create
--resource-group "rsg-name"
--name "public-ip-name"
--location "region"
```

List all subnets

```
az network vnet subnet list
--resource-group "rsg-name"
--vnet-name "vnet-name"
```

List all virtual networks

```
az network vnet list
```

List all public IP addresses

```
az network public-ip list
```

Create a new network security group

```
az network nsg create
--resource-group "rsg-name"
--name "nsg-name"
--location "region"
```

List all network security groups

```
az network nsg list
```

Create a new network security rule

```
az network nsg list
```

Create a new network security rule

```
az network nsg rule create
--resource-group "rsg-name"
--nsg-name "nsg-name"
--name "rule-name"
--priority 100
--source-address-prefixes
"0.0.0.0/0"
--destination-port-ranges "80"
--access "Allow"
--protocol "Tcp"
--description "Allow HTTP traffic"
```

List all network security rules

```
az network nsg rule list
--resource-group "rsg-name"
--nsg-name "nsg-name"
```

Web Apps

Create a new web app

```
az webapp create
--resource-group "rsg-name"
--name "web-app-name"
--plan "app-service-plan-name"
```

List all web apps

```
az webapp list
```

Get the default host name of a web app

```
az webapp show
--resource-group "rsg-name"
--name "web-app-name"
--query "defaultHostName"
```

Start a web app

```
az webapp start
--resource-group "rsg-name"
--name "web-app-name"
```

Stop a web app

```
az webapp stop
--resource-group "rsg-name"
--name "web-app-name"
```

Set a web app to use 64 bit platform

```
az webapp config set  
--name "web-app-name"  
--resource-group "rsg-name"  
--use-32bit-worker-process false
```

Set a web app to always be on

```
az webapp config set  
--name "web-app-name"  
--resource-group "rsg-name"  
--always-on true
```

Create a new deployment slot

```
az webapp deployment slot  
create  
--name "web-app-name"  
--resource-group "rsg-name"  
--slot "slot-name"
```

List all deployment slots

```
az webapp deployment slot list  
--name "web-app-name"  
--resource-group "rsg-name"
```

Swap two deployment slots

```
az webapp deployment slot swap  
--name "web-app-name"  
--resource-group "rsg-name"  
--slot "slot-name"  
--target-slot "target-slot-name"
```

**Deploy code to a web app
from a Git repository**

```
az webapp deployment  
source config  
--resource-group "rsg-name"  
--name "name"  
--repo-url "url" --branch "name"
```

Databases



**Create a new
Azure SQL Database server**

```
az sql server create
--resource-group "rsg-name"
--name "server-name"
--location "region"
--admin-user "username"
--admin-password "password"
```

List all Azure SQL Database servers

```
az sql server list
```

**Create a new
Azure SQL Database**

```
az sql db create
--resource-group "rsg-name"
--server "server-name"
--name "database-name"
--edition "Standard"
--performance-level "S0"
```

List all Azure SQL Databases

```
az sql db list
--resource-group "rsg-name"
--server "server-name"
```

**Create a new
Azure Cosmos DB account**

```
az cosmosdb create
--resource-group "rsg-name"
--name "account-name"
--kind "GlobalDocumentDB"
--locations "regionName=region"
--default-consistency-level
"Session"
```

List all Azure Cosmos DB accounts

```
az cosmosdb list
```


Create a new
Azure Database for
PostgreSQL server

```
az postgres server create
--resource-group "rsg-name"
--name "server-name"
--location "region"
--admin-user "username"
--admin-password "password"
--sku-name "B_Gen5_1"
--version "11"
```

List all Azure Database for
PostgreSQL servers

```
az sql server list
```

Create a new
Azure Database for MySQL server

```
az mysql server create
--resource-group "rsg-name"
```

List all Azure Database
for MySQL servers

```
az mysql server list
```

```
az mariadb server create
--resource-group "rsg-name"
--name "server-name"
--location "region"
--admin-user "username"
--admin-password "password"
--sku-name "B_Gen5_1"
--version "10.4"
```

Create a new
Azure Database for MariaDB server

List all Azure Database
for MariaDB servers

```
az mariadb server list
```

```
az redis create
--resource-group "rsg-name"
--name "redis-name"
--location "region"
--sku "Basic"
--vm-size "C0"
```

Create a new
Azure Cache for Redis instance

List all Azure Cache for Redis
instances

```
az redis list
```

Monitoring and Management



Get the status of all resources in a resource group

```
az resource list
--resource-group "rsg-name"
--output table
```

Monitor the metrics of a resource

```
az monitor metrics list
--resource "resource-id"
--metric "Percentage CPU"
--interval "PT1H"
```

Get the activity log for a resource group

```
az monitor activity-log list
--resource-group "rsg-name"
```

Create an alert rule

```
az monitor metrics alert create
--resource-group "rsg-name"
--name "alert-rule-name"
--resource "resource-id"
--condition "avg Percentage CPU > 80"
```

List all alert rules

```
az monitor metrics alert list
--resource-group "rsg-name"
```

Containers



Create a new Azure Kubernetes Service (AKS) cluster

```
az aks create
--resource-group "rsg-name"
--name "aks-cluster-name"
--node-count 3
--generate-ssh-keys
```

List all AKS clusters

```
az aks list
```

Get the credentials of an AKS cluster

```
az aks get-credentials
--resource-group "rsg-name"
--name "aks-cluster-name"
```

Scale an AKS cluster

```
az aks scale
--resource-group "rsg-name"
--name "aks-cluster-name"
--node-count 5
```

Update the version of an AKS cluster

```
az aks upgrade
--resource-group "rsg-name"
--name "aks-cluster-name"
--kubernetes-version "1.20.5"
```

Create a new Azure Container Instance

```
az container create
--resource-group "rsg-name"
--name "container-instance-name"
--image "microsoft/aci-helloworld"
--dns-name-label "dns-name-label"
--ports 80
```

List all Azure Container Instances

```
az container list
```

Get the logs of an Azure Container Instance

```
az container logs
--resource-group "rsg-name"
--name "container-instance-name"
```

Get the events of an Azure Container Instance

```
az container show
--resource-group "rsg-name"
--name "container-instance-name"
--query "events"
```

Delete an Azure Container Instance

```
az container delete
--resource-group "rsg-name"
--name "container-instance-name"
```

Azure Functions



Create a function app

```
az functionapp create
--resource-group "rsg-name"
--name "functionapp-name"
--storage-account "storage-account-name"
--consumption-plan-location "location"
```

List function apps

```
az functionapp list
```

Delete a function app

```
az functionapp delete
--resource-group "rsg-name"
--name "functionapp-name"
```

Azure Logic Apps



Create a logic app

```
az logic workflow create
--resource-group "rsg-name"
--name "workflow-name"
--location "location"
--definition @"definition.json"
```

List logic apps

```
az logic workflow list
--resource-group "rsg-name"
```

Delete a logic app

```
az logic workflow delete
--resource-group "rsg-name"
--name "workflow-name"
```

Azure DevOps



Create a project

```
az devops project create  
--name "project-name"
```

List projects

```
az devops project list
```

Delete a project

```
az devops project delete  
--id "project-id"
```

```
az devops service-endpoint  
azurerm create  
--azure-rm-service-principal-id  
"service-principal-id"  
--azure-rm-subscription-id  
"subscription-id"  
--azure-rm-subscription-name  
"subscription-name"  
--azure-rm-tenant-id "tenant-id"
```

Create a service endpoint

Azure Key Vault



Create a key vault

```
az keyvault create  
--name "keyvault-name"  
--resource-group "rsg-name"  
--location "location"
```

List key vaults

```
az keyvault list
```

Delete a key vault

```
az keyvault delete  
--name "keyvault-name"
```

Set a secret in a key vault

```
az keyvault secret set  
--vault-name "keyvault-name"  
--name "secret-name"  
--value "secret-value"
```

Get a secret from a key vault

```
az keyvault secret show  
--name "secret-name"  
--vault-name "keyvault-name"
```

**I hope you find these tips
helpful!**

**Let me know if you have
any questions.**

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