

Azure Powershell Module Cheatsheet

#	Azure Product	Azure CLI	Example CLI	PowerShell Module	Example PS
1	Syntax	az		PowerShell uses a verb-noun pair for the names of cmdlets	
2	Log in to Azure	az login	az login -u johndoe@contoso.com -p VerySecret	Az.Accounts	Connect-AzAccount
3	Manage Azure subscription information	az account	az account list --output table	Az.Accounts	Get-AzSubscription
4	Manage private registries with Azure Container Registries	az acr	az acr list -g MyResourceGroup -o table	Az.ContainerRegistry	Get-AzContainerRegistry -ResourceGroupName "MyResourceGroup"
5	Manage Azure Container Services	az acs	az acs list-locations --subscription	Az.Compute	Get-AzContainerService -ResourceGroupName "myRG"
6	Manage Azure Active Directory	az ad	az ad group show --group	Az.Resources	Get-AzADGroup -First 100
7	Manage Azure Advisor	az advisor	az advisor recommendation list --category Performance	Az.Advisor	Get-AzAdvisorRecommendation -Category Performance
8	Manage Azure Kubernetes Services	az aks	az aks get-versions --location westus2	Az.Aks	Get-AzAksVersion -Location westus
9	Manage Azure Media Services resources	az ams	az ams account list --resource-group --subscription	Az.Media	Get-AzMediaService -ResourceGroupName "myRG"

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10	Manage App Configurations	az appconfig	az appconfig list -g MyResourceGroup	Az.AppConfigurat ion	Get-AzAppConfigurati onStore
11	Manage App Service plans	az appservice	az appservice ase list	Az.Websites	Get-AzAppServicePla n -Location "West US"
12	Manage Azure Backups	az backup	az backup container show..	Az.RecoveryServi ces	Get-AzRecoveryServi cesBackupJob
13	Manage Azure Batch	az batch	az batch account list [--resource-group] [--subscription]	Az.Batch	Get-AzBatchAccount - AccountName "pfuller"
14	Manage Azure Billing	az billing	az billing period show --name --subscription	Az.Billing	Get-AzBillingInvoice - Latest
15	Manage Azure Content Delivery Networks	az cdn	az cdn origin list	Az.Cdn	Get-AzCdnOrigin
16	Manage Azure Cognitive Services accounts	az cognitiveservices	az cognitiveservices account list -g MyResourceGroup	Az.CognitiveServi ces	Get-AzCognitiveServi cesAccount
17	Manage Azure CLI configuration	az configure	az configure --defaults group=myRG web=myweb vm=myvm	Az.Accounts	Set-AzContext - SubscriptionId "xxxx-xxxx-xxxx- xxxx"
18	Manage Azure Container Instances.	az container	az container logs --name MyContainerGroup --resource-group MyResourceGroup	Az.ContainerInsta nce	Get-AzContainerGroup - ResourceGroupN ame demo - Name mycontainer
19	Manage Azure Cosmos DB database	az cosmosdb	az cosmosdb list [--resource-group] [--subscription]	Az.CosmosDB	Get-AzCosmosDBAcc ount - ResourceGroupN ame {resourceGroupN ame} -Name

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20	Manage ARM template deployment at subscription scope	az deployment	az deployment group list -g testrg	Az.DeploymentManager	Get-AzDeploymentManagerArtifactSource -InputObject \$artifactSourceObject
21	Manage Azure Managed Disks	az disk	az disk list [--resource-group] [--subscription]	Az.Compute	Get-AzDisk -ResourceGroupName 'ResourceGroup01' -DiskName 'Disk01'
22	Manage Data Lake Analytics	az dla	az dla account list [--resource-group] [--subscription]	Az.DataLakeAnalytics	Get-AzDataLakeAnalyticsAccount -Name "ContosoAdlAccount"
23	Manage Data Lake Store	az dls	az dls account list --resource-group myRG	Az.DataLakeStore	Get-AzDataLakeStoreAccount -Name "ContosoADL"
24	Manage Azure Data Migration Service	az dms	az dms check-name --location westus2 --name MyService	Az.DataMigration	Get-AzDataMigrationProject -InputObject \$myService
25	Manage Azure Event Grid	az eventgrid	Get-AzEventGridDomain -ResourceGroup myRG -Name Domain1	Az.EventGrid	az ams account list --resource-group --subscription
26	Manage Azure Event Hubs	az eventhubs	az eventhubs eventhub list --resource-group myRG --namespace-name mynamespace	Az.EventHub	Get-AzEventHub -ResourceGroup myRG -NamespaceName MyNamespaceName
27	Manage resource provider features	az feature	az feature list	Az.Resources	Register-AzResourceProvider -ProviderNamespace Microsoft.Network

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28	Find commands	az find	az find "az storage"	Az.Accounts	Get-Command -Verb Get -Noun AzVM* -Module Az.Compute
29	Manage function apps	az functionapp	az functionapp list --query "[?state=='Running']"	Az.Functions	Get-AzFunctionApp
30	Manage resource groups and template deployments	az group	az group create -l westus -n myRG	Az.Resources	Get-AzResourceGroup -Name "EngineerBlog"
31	Manage HDInsight resources.	az hdinsight	az hdinsight list [--resource-group] [--subscription]	Az.HDInsight	Get-AzHDInsightCluster
32	Managed Service Identities.	az identity	az identity list-operations [--subscription]	Az.ManagedServiceIdentity	Get-AzUserAssignedIdentity -ResourceGroupName PSRG -Name ID1
33	Manage custom virtual machine images.	az image	az image builder show --name mytemplate --resource-group my-group	Az.ManagedServiceIdentity	Get-AzImageBuilderTemplate
34	Manage KeyVault	az keyvault	az keyvault list [--resource-group] [--subscription]	Az.KeyVault	Get-AzKeyVault
35	Manage Azure Kusto resources	az kusto	az kusto cluster list --resource-group myRG	Az.Kusto	Get-AzKustoCluster -ResourceGroupName testrg
36	Manage Azure locks	az lock	az lock list	Az.Resources	Get-AzResourceLock -ResourceGroupName "myRG" -AtScope
37	Manage assignments and definitions	az managedservices	az managedservices definition list	Az.ManagedServices	Get-AzManagedServicesAssignment

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38	Manage Azure Maps	az maps	az maps account show --name MyMapsAccount --resource-group myRG	Az.Maps	Get-AzMapsAccount - ResourceGroupName myRG
39	Manage Azure Database for MariaDB servers	az mariadb	az mariadb db list -g testgroup -s testsvr	Az.MariaDb	Get-AzMariaDbServer
40	Manage the Azure Monitor Service.	az monitor	az monitor action-group list [--resource-group] [--subscription]	Az.Monitor	Get-AzActionGroup
41	Manage Azure Database for MySQL servers.	az mysql	az mysql db list -g testgroup -s testsvr	Az.MySql	Get-AzMySqlServer
42	Manage Azure Network resources.	az network	az network nic list --query "[?dnsSettings.internalDomainNameSuffix={dnsSuffix}]"	Az.Network	Get-AzNetworkInterface
43	Manage resource policies.	az policy	az policy definition show --name MyPolicyDefinition	Az.Resources	Get-AzPolicyDefinition
44	Manage Azure Database for PostgreSQL servers.	az postgres	az postgres db list -g testgroup -s testsvr	Az.PostgreSql	Get-AzPostgreSqlServer
45	Manage dedicated Redis caches for your Azure applications.	az redis	az redis list [--resource-group] [--subscription]	Az.RedisCache	Get-AzRedisCache - Name "myexists"
46	Manage Azure Reservations	az reservations	az reservations reservation list --reservation-order-id [--subscription]	Az.Reservations	Get-AzReservation - ReservationOrderId "1111aaaa"
47	Manage Azure resources.	az resource	az resource list --location westus	Az.Resources	Get-AzResource ft

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48	Manage user roles for access control with AAD and service principals	az role	az role assignment list [--all]	Az.Resources	Get-AzADServicePrincipal
49	Manage Azure Search services	az search	az search service list --resource-group [--subscription]	Az.Search	Get-AzSearchService - ResourceGroupName felixwa-01
50	Manage security with Azure Security Center	az security	az security alert list	Az.Security	Get-AzDiscoveredSecuritySolution
51	Manage shared image gallery	az sig	az sig list [--resource-group] [--subscription]	Az.ImageBuilder	Get-AzImageBuilderTemplate
52	Manage snapshots	az snapshot	az snapshot list [--resource-group] [--subscription]	Az.Compute	Get-AzSnapshot
53	Manage Azure SQL Databases and Data Warehouses.	az sql	az sql db list --resource-group myRG --server myserver	Az.Sql	Get-AzSqlDatabase - ResourceGroupName "myRG" - ServerName "server01"
54	Manage Azure Storage resources	az storage	az storage account list -g myRG]	Az.Storage	Get-AzStorageAccount - ResourceGroupName "RG01"
55	Manage resource tags	az tag	az tag list [--subscription]	Az.Resources	Get-AzTag -Name "Department"
56	Show the versions of Azure CLI modules	az version	az version [--subscription]	PowerShellGet	Get-InstalledModule Azure - AllVersions
57	Manage Linux or Windows virtual machines	az vm	az vm list -g myRG	Az.Compute	Get-AzVM - ResourceGroupName "myRG" - Name "VirtualMachine07"

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58	Manage Virtual Machine Scale Set (VMSS)	az vmss	az vmss list --resource-group myRG	Az.Compute	Get-AzVmss -ResourceGroupName "Group001" -VMScaleSetName "VMSS001"
59	Manage web apps	az webapp	az webapp list --query "[?state=='Running']"	Az-WebApp	Get-AzWebApp -myRG "Default-Web-WestUS" -Name "ContosoSite"

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