Running Containerized Tasks



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Overview



Managing Azure Container Instances

- Azure CLI
- PowerShell

Configuring Azure Container Instances

- Windows or Linux containers
- RAM and CPU allocation
- Restart policy
- Network configuration

Accessing logs

Deleting containers

Private container registry



Creating Azure Container Instances

Azure Portal

PowerShell

AzureRmContainer...

ARM Templates

Azure CLI

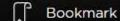


Azure CLI: Getting Started

by Mark Heath

This course is packed full of practical examples that show how the Azure CLI, a cross-platform, open source command line tool, can be used to manage Virtual Machines, storage accounts, web apps, databases, ARM deployments, and more.





((9)) Add to Channel

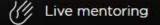


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Course Overview

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Introducing the Azure CLI

32m 48s

Managing Virtual Machines

25m 26s

https://docs.microsoft.com/en-us/cli/azure/install-azure-cli?view=azure-cli-latest

Install Azure CLI 2.0

I 12/06/2016 • © 2 minutes to read • Contributors 🚯 💨 🚳 🔞

The Azure CLI 2.0 is a command-line tool providing a great experience for managing Azure resources. The CLI is designed to make scripting easy, flexibly query data, support long-running operations as non-blocking processes, and more. Try it today and find out what the CLI has to offer!

The current version of the CLI is 2.0.32. For information about the latest release, see the release notes.

- · Install on Windows
- Install on macOS
- Install on Linux or Windows Subsystem for Linux (WSL)
 - Install with apt on Debian or Ubuntu
 - o Install with yum on RHEL, Fedora, or CentOS
 - Install with zypper on openSUSE or SLE
 - Install from script
- · Run in Docker container



Azure CLI - Getting Set Up

```
az login
az account set -s "MySub"
$resourceGroup = "MyResourceGroup"
$location = "westeurope"
az group create -n $resourceGroup -l $location
```



Create Container Group CLI Options

```
az container create
   -n # container group name
   -g # resource group
   --image "ImageName" # e.g. Docker hub image
   --ip-address public # request a public IP
   --dns-name-label "myapp" # friendly DNS name
   --ports 443 # open specified port(s)
   --os-type windows # default is Linux
```





Create a new container group with the Azure CLI

- az group create
- az container create
- az container show
- az container logs
- az group delete



Azure CLI

```
$resourceGroup = "AciGhostDemo"
$location = "westeurope"
az group create -n $resourceGroup -l $location
$containerGroupName = "ghost-blog1"
az container create -g $resourceGroup `
     -n $containerGroupName --image ghost `
     -ports 2368 -ip-address public --dns-name-label ghostaci
az container show -g $resourceGroup -n $containerGroupName
az container logs -g $resourceGroup -n $containerGroupName
az group delete -n $resourceGroup -y
```



Using PowerShell Commandlets

AzureRmContainerGroup commandlets

Getting started:

- Login-AzureRmAccount
- Set-AzureRmContext



PowerShell

```
$resourceGroup = "AciGhostDemo2"
$location = "westeurope"
New-AzureRmResourceGroup -Name $resourceGroup -Location $location
$containerGroupName = "ghost-blog2"
New-AzureRmContainerGroup -ResourceGroupName $resourceGroup `
     -Name $containerGroupName -Image ghost
     -Port 2368 -IpAddressType Public -DnsNameLabel ghostaci2
Get-AzureRmContainerGroup -ResourceGroupName
    $resourceGroup -Name $containerGroupName
Get-AzureRmContainerInstanceLog -ResourceGroupName `
     $resourceGroup -ContainerGroupName $containerGroupName
Remove-AzureRmResourceGroup -Name $resourceGroup -Force
```



Create a Windows container

- --os-type
- --memory
- **--**cpu
- --restart



https://hub.docker.com/r/markheath/miniblogcore

PUBLIC REPOSITORY

markheath/miniblogcore ☆

Last pushed: 4 months ago

Repo Info Tags Collaborators Settings Webhooks The scanning service will be removed for private repositories on March 31st, 2018. In the meantime, security scans are limited to one scan per day on the "latest" tag in private repos. Learn more Tag Name Compressed Size Last Updated v1-linux 135 MB 4 months ago v1 469 MB 4 months ago





Creating a private container registry

- Azure Container Registry





Using a private container registry

- Create a container group using an image from ACR



Summary



az container create

- --image
- --ip-address public
- --dns-name-label
- --ports
- --os-type
- --memory &
 - --cores
- --registry-username &
 - --registry-password

az container show

az container logs



Up next ...

Mounting volumes

