Azure Management Interfaces. How to Interact with Azure Cloud Platform

Azure Management Interfaces

❑ Azure provides multiple distinct options in order to interact with the Azure Cloud Platform:

    ❑ Azure Portal
    ❑ Azure Command Line Interface (CLI)
    ❑ Azure PowerShell module
    ❑ Azure Cloud Shell
    ❑ Azure SDKs
    ❑ Azure Mobile app

Azure Portal

Azure Portal

❑ The Azure Portal is a graphical user interface for accessing a wide range of Azure Cloud services and managing compute, storage, and other cloud resources

❑ Azure Portal is a web application that comprises and refers to a broad collection of service consoles for managing Azure Cloud

❑ Access the Azure Portal
  ❑ https://portal.azure.com

Azure Portal

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Azure CLI & Azure PowerShell

Azure CLI & Azure PowerShell

- ❑ Cross-platform options (Windows, Mac and Linux) that enable you to connect to your Azure Cloud tenant (account) and manage resources from CLI

- ❑ Why to use CLI or PowerShell ?
  - ❑ Optimize and automate your work through scripts

```
Azure CLI

az vm create \
    --resource-group myResourceGroupVM \
    --name myVM \
    --image UbuntuLTS \
    --admin-username azureuser \
    --generate-ssh-keys
```

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Azure Cloud Shell

Azure Cloud Shell

- ❑ Azure Cloud Shell offers a browser-accessible, pre-configured shell experience for managing Azure resources without the overhead of installing, versioning and maintaining a machine yourself

- ❑ Azure Cloudshell is your Microsoft-managed admin machine in Azure, for Azure

- ❑ You get a modern web-based command line experience which can be accessed from several places like the Azure Portal, https://shell.azure.com and the Azure mobile app

Azure SDKs

Azure SDKs

❑ Interesting option for Developers ☺

❑ The Azure SDKs are collections of libraries for programming languages; they help you build applications that manage and interact with Azure services

Go
Install SDK
API reference

PHP
Install SDK
API reference

.NET
Download Visual Studio 2019
Download Visual Studio 2019 for Mac
Install SDK
API reference

Java
Install SDK
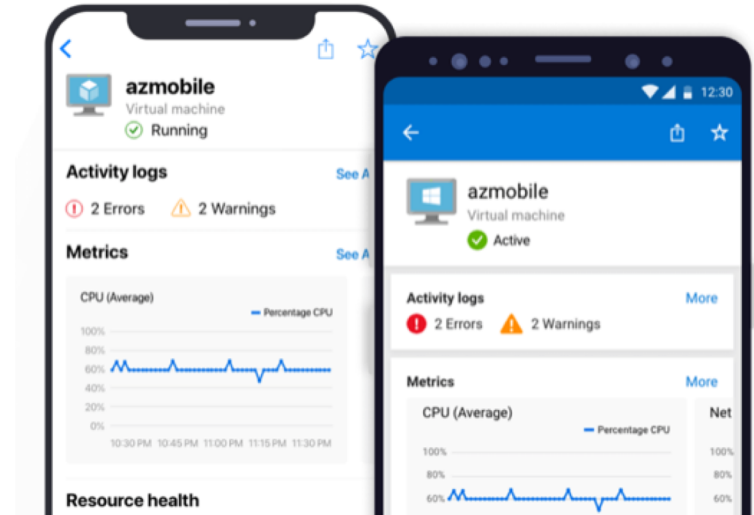API reference

Python
Install SDK
API reference

TypeScript/JavaScript
Install SDK

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Azure Mobile App

Azure Mobile App

- ❑ App available on both Apple and Google Play stores

- ❑ Can be an interesting option in order to:

  - ❑ Monitor the health and status of your Azure resources
  - ❑ Quickly diagnose and fix issues
  - ❑ Run commands to manage your Azure resources

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Thank you