



Module 2: Administration

2. Administration

<u>Gu1</u>

Server Manager | Admin Center

(omandline (L1

Powerstell (PS)

✓ Administration in Windows Server

✓ Administration in Azure

ARM Azure Portal

Ps-module A:

Azhre CLI 92 Vn

API Postman

ARM Template

Verb

Noun

New

Bicep (Lang

Get - Dis

Get - XM

9.07.2024

(terraform)

us coole

brainymotion

Lessons:

Lesson 1: Windows Server Administrations





Management Console msc



Overview Server Manager





Overview Windows Server Admin Center







Overview of Server Administration with PowerShell





1 Configure this local server

2 Add roles and features

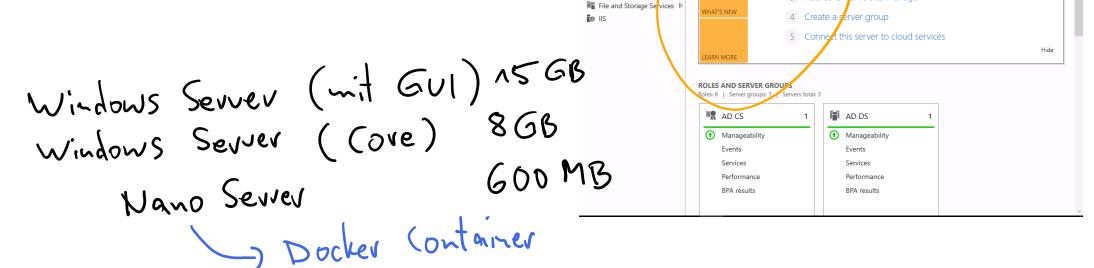
3 Add other servers to manage

Overview Server Manager (1 of 2)

 Server Manager initially opens to the dashboard, which provides quick Windows Server (GUI)

access to:

- Add roles and features
- Add other servers to manage
- Create a server group
- Connect this server to cloud services



Server Manage

AD CS

II DHCP

Server Manager • Dashboard

WELCOME TO SERVER MANAGER





Overview Server Manager (2 of 2)

- Server Manager allows server administrators to:
 - Manage the local server and remotely manage multiple servers
 - Configure the local server
 - Get basic information about installed hardware
 - Query event logs
 - Monitor status of services
 - Perform best practice analysis
 - Check performance monitors



Overview of Server Administration with PowerShell (1 of 2)

 Windows PowerShell is a command line shell and scripting language that allows task automation and configuration management

 Windows PowerShell cmdlets execute at a Windows PowerShell command prompt or combine into Windows PowerShell scripts



Overview of Server Administration with PowerShell (2 of 2)







- Are small commands that perform specific functions
- Can be combined to perform multiple tasks
- Can be piped together to perform multiple operations

• Modules:

- Cmdlets specific to a product are packaged together and installed as modules
- Some are installed with the product and some need to be added manually



Lesson 3: Azure Portal Administration





Azure Portal Administration



Use the Azure Portal



Use Azure Cloud Shell



Use Azure PowerShell Mothe AZ



Use Azure CLI







Use the Azure Portal

Search resources, services, and docs

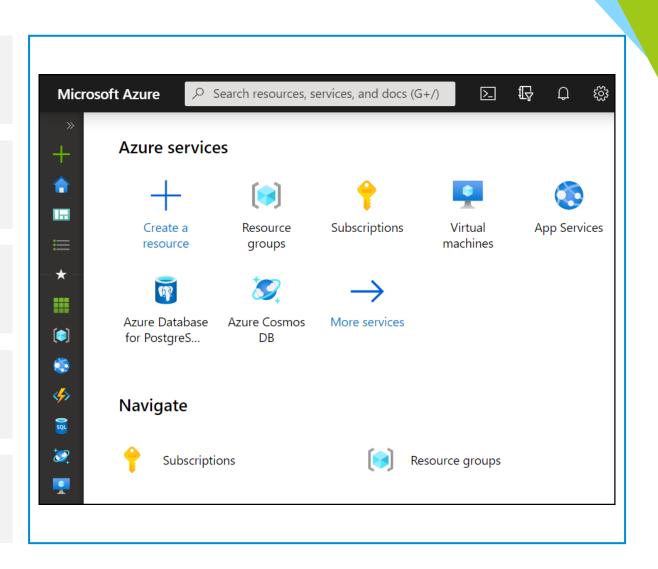
Manage resources

Create customized dashboards and favorites

Access the Cloud Shell

Receive notifications





Use Azure Cloud Shell

Interactive, browser-accessible shell

Offers either Bash or PowerShell

Is temporary and provided on a per-session, per-user basis

Requires a resource group, storage account, and Azure File share

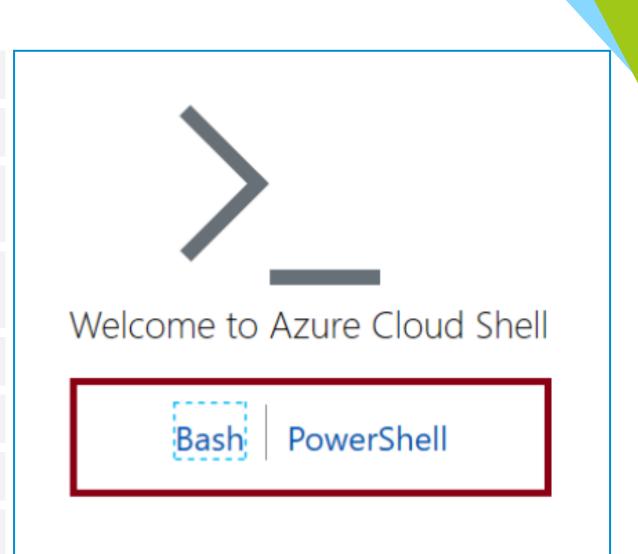
Authenticates automatically

Integrated graphical text editor

Is assigned one machine per user account

Times out after 20 minutes







Use Azure PowerShell

New-AzVm 🔾 -ResourceGroupName "CrmTestingResourceGroup" Back Tic

- -Name "CrmUnitTests"
- -Image "UbuntuLTS" ?

- Connect to your Azure subscription and manage resources
- Adds the Azure-specific commands
- Available inside a browser via the Azure Cloud Shell
- Available as a local installation on Linux, macOS, or Windows
- Has an interactive and a scripting mode

Back Slash

brainumotion



Use Azure CLI

az vm restart -g MyResourceGroup -n MyVm

- Cross-platform command-line program
- Runs on Linux, macOS, and Windows
- Can be used interactively or through scripts
- Commands are structured in _groups_ and _subgroups_
- Use find to locate commands
- Use --help for more detailed information



Review Resource Manager Benefits

Provides a consistent management layer

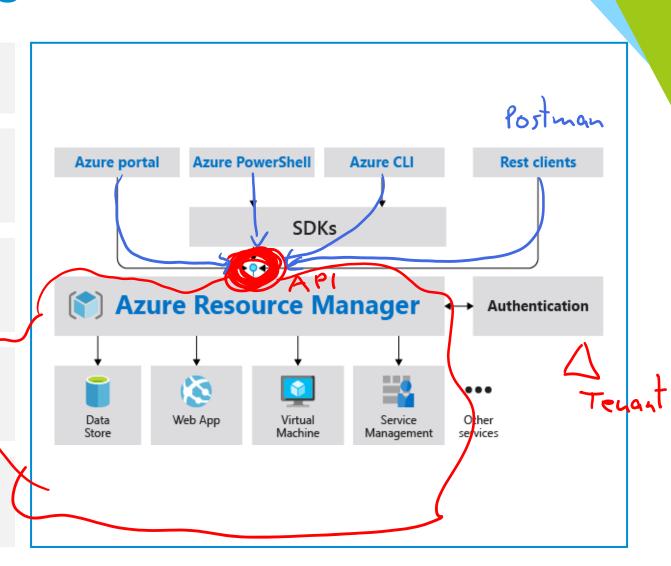
Enables you to work with the resources in your solution as a group

Deploy, update, or delete in a single, coordinated operation

Provides security, auditing, and tagging features

Choose the tools and APIs that work best for you







The End