

Microsoft Azure Fundamentals

Lesson 02 - Microsoft Azure Management Tools



What's in It for Me

- What Azure PowerShell is
- What Azure SDK and Azure CLI is



What is Azure PowerShell?

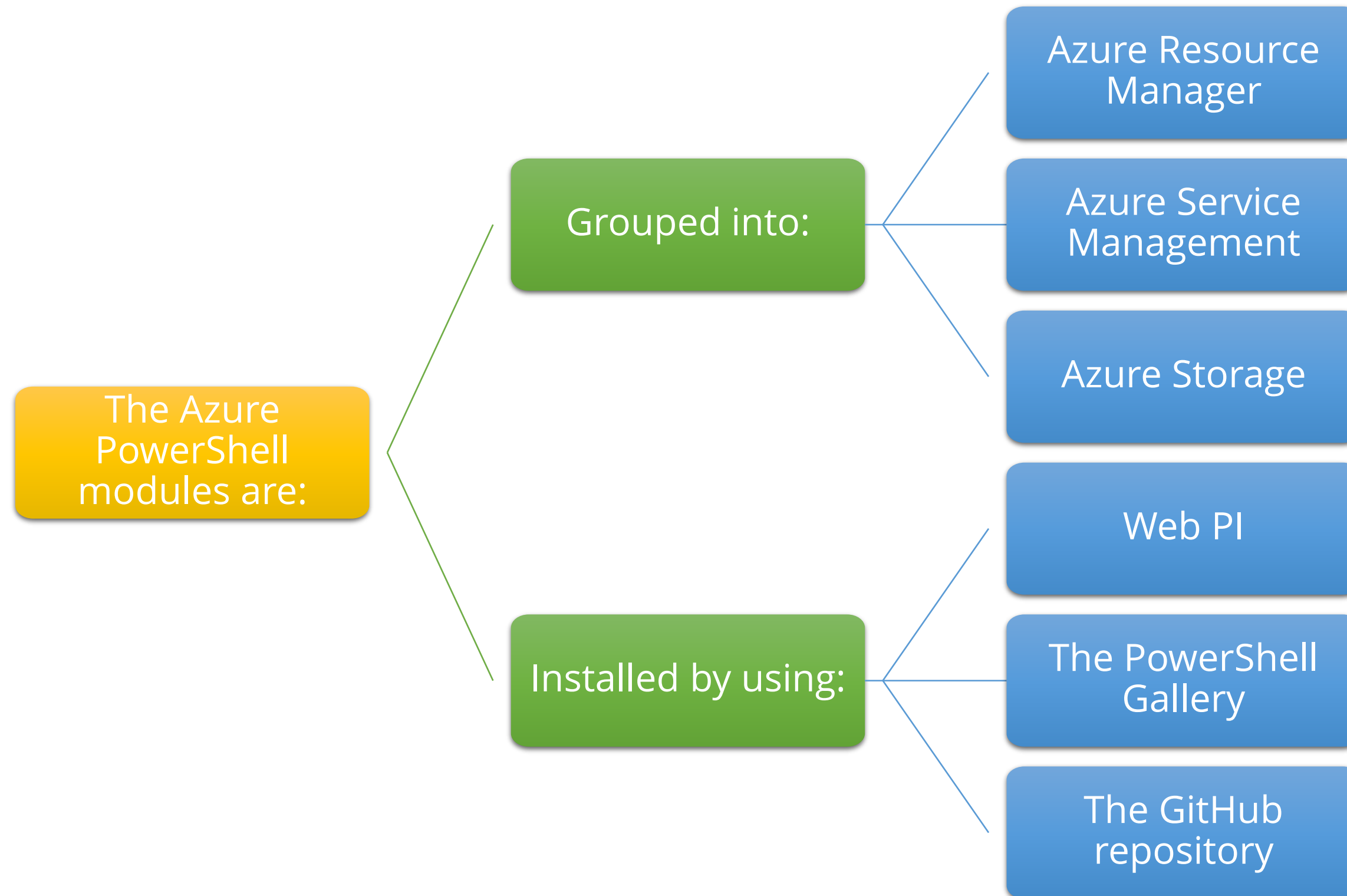
- Introduction to Windows PowerShell
- Introduction to Azure PowerShell
- Managing Azure subscriptions by using Azure PowerShell
- Demonstration: Installing the Azure PowerShell modules and connecting to an Azure subscription

Introduction to Windows PowerShell

Technology that consists of a scripting language and the corresponding engine



Introduction to Azure PowerShell



Introduction to Azure PowerShell

- The Azure AD PowerShell module:
 - Provides cmdlets for managing Azure AD
 - Uses a stand-alone installer

Managing Azure Subscriptions by Using Azure PowerShell

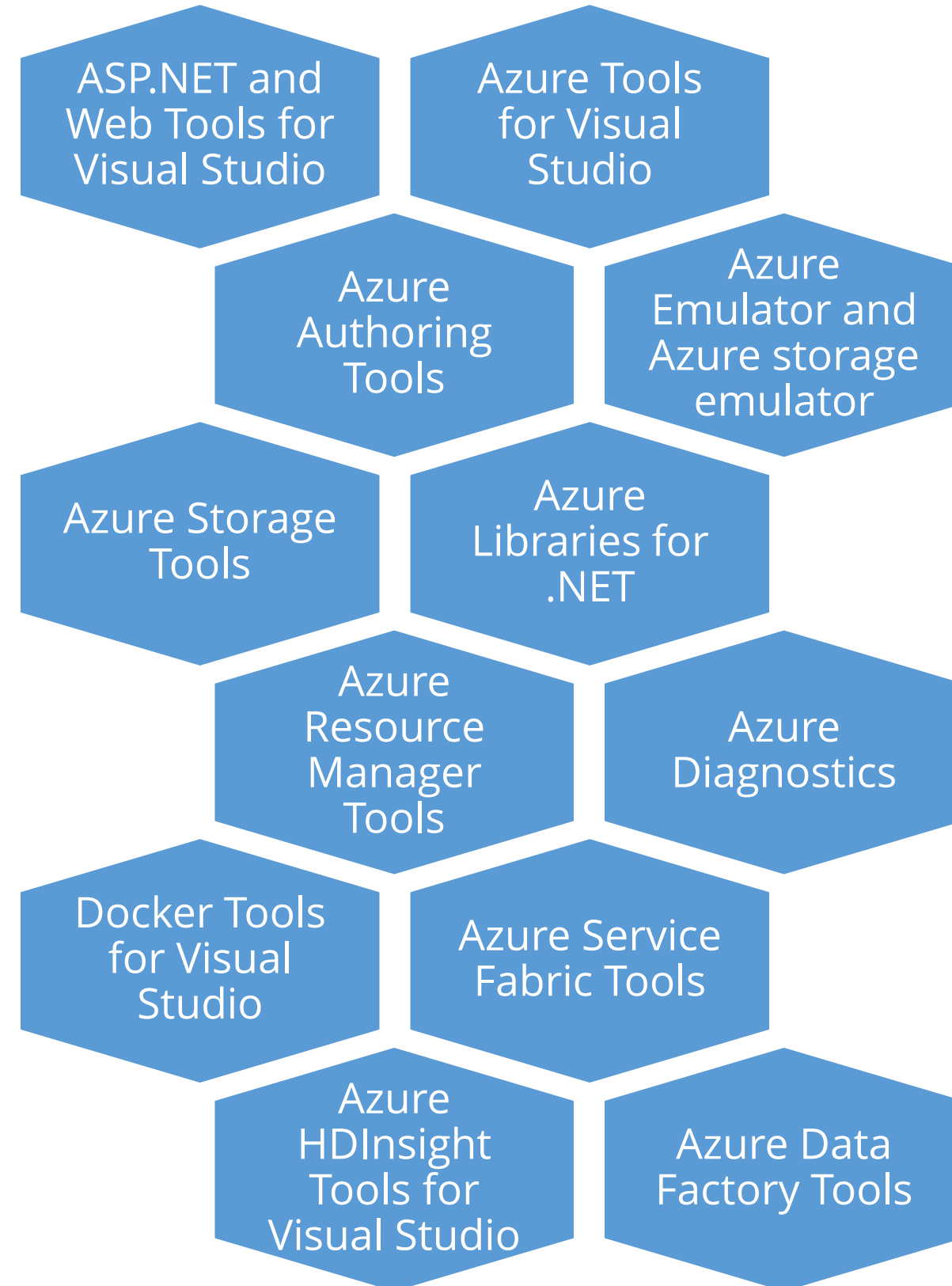
- Azure Resource Management:
 - Authenticate
 - **Add-AzureRmAccount**
 - Select the target Azure subscription (if more than one exists):
 - **Get-AzureRmSubscription**
 - **Select-AzureRmSubscription**
- Service Management (classic deployment):
 - Authenticate
 - **Add-AzureAccount**
 - Select the target Azure subscription (if more than one exists):
 - **Get-AzureSubscription**
 - **Select-AzureSubscription**

Azure SDK and Azure CLI

- What is the Azure SDK?
- Introduction to the Azure CLI
- Demonstration: Installing and using the Azure CLI

What is the Azure SDK?

The Azure SDK installs the following tools:



Introduction to the Azure CLI

- Command-line shell:
 - Can be installed on Windows, Linux, and OS X
 - Integrates with Linux shell scripting tools
 - Has an installation process that depends on the operating system:
 - Web PI for Windows
 - An npm package for Linux and OS X
- To authenticate:
 - Azure login
 - <http://aka.ms/devicelogin>
 - Microsoft account or Azure AD user credentials
- To switch modes, run:
 - **azure config mode arm**
 - **azure config mode asm**

Key Takeaways

- Windows PowerShell is a technology that consists of a scripting language and the corresponding engine responsible for script processing.
- The Azure PowerShell modules belong to the following three categories which contains cmdlets: Azure Resource Manager, Azure Service Management and Azure Storage.
- The Azure SDK is a collection of tools, runtime binaries, client libraries, and templates that considerably simplify the development, testing, and deployment of Azure services and applications.
- The Azure CLI provides a command-line, shellbased interface that you can use to interact with your Azure subscriptions.

This concludes “Microsoft Azure Management Tools.”

Next Lesson is “Virtual machines in Microsoft Azure”



THANK YOU