



# **WEEK 12**

# **MANAGEMENT TOOLS**

## **Q&A**

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# Agenda

- Azure Portal
- Powershell
- Azure CLI
- Azure Cloud Shell
- Azure Arc
- Infrastructure as Code
- ARM Templates





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# AZURE PORTAL



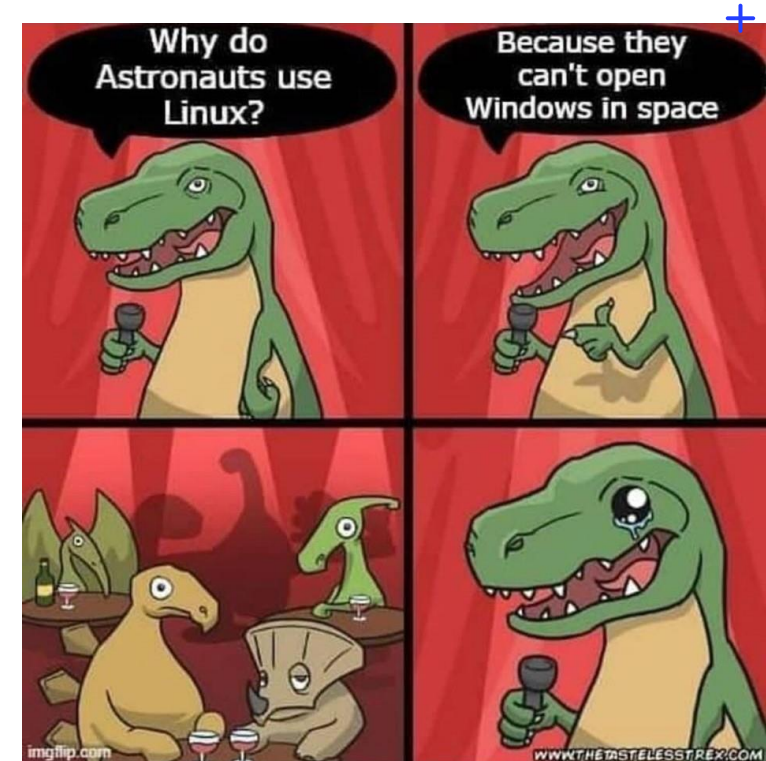


# Azure Portal

Great way to manage azure  
resources  
(Up to certain scales)

# Powershell and CLI/Bash

- Downloadable SDKs (local machine)
- Built-in portal
- Windows env vs. Unix/Linux env





# Azure Arc

Allows manage all on-prem  
infrastructure, anywhere

There is no charge!



# Infrastructure as Code (IaC)

## **Infrastructure (n):**

All the servers, storage, database settings, network settings, firewalls, load balancers, etc.

# Question

How does the Azure Portal support resource management?

- a. By providing a code-only interface
- b. Through the use of Azure Resource Manager (ARM) templates
- c. Exclusively through the Azure CLI
- d. By offering a graphical user interface for resource deployment and management



# Question

What is the purpose of Azure Resource Explorer in the Azure Portal?

- a. To analyze resource consumption patterns
- b. To troubleshoot and debug Azure Resource Manager templates
- c. To visualize real-time resource performance metrics
- d. To create new Azure resources

# Question

Which blade in the Azure Portal provides a comprehensive overview of the health and status of Azure services within a subscription?

- a. Azure Monitor
- b. Azure Policy
- c. Azure Advisor
- d. Azure Health

# Question

How does Azure Cloud Shell persist data between sessions?

- a. It doesn't persist data between sessions.
- b. Through the use of a local file system
- c. Using Azure Storage
- d. By storing data in the Azure Key Vault

# Question

What is the primary advantage of using Azure Cloud Shell over a locally installed CLI?

- a. Higher performance
- b. Greater resource management capabilities
- c. No need for installation or maintenance
- d. Offline access to resources

# Question

Which Azure service allows you to securely store and manage sensitive information, such as passwords and certificates, for use in Azure Cloud Shell?

- a. Azure Key Vault
- b. Azure Active Directory
- c. Azure Security Center
- d. Azure Storage Account



# Question

What benefits does Azure Arc bring to multi-cloud environments?

- a. It limits resource management to Azure only.
- b. It enables consistent management across clouds.
- c. It restricts the use of Azure services in non-Azure clouds.
- d. It provides exclusive access to Azure networking features.

# Question

How does Azure Arc enable organizations to manage on-premises servers?

- a. By physically installing Azure servers in on-premises data centers
- b. Through the deployment of Azure Stack
- c. By extending Azure management services to on-premises servers
- d. By migrating on-premises servers to Azure exclusively

# Question

Which environments can be managed using Azure Arc?

- a. Only resources within Azure data centers
- b. On-premises, multi-cloud, and edge environments
- c. Only resources within Azure virtual networks
- d. Resources within AWS and GCP only

# Question

What is the primary file format for Azure Resource Manager (ARM) templates?

- a. YAML
- b. JSON
- c. XML
- d. PowerShell script

# Question

How does Azure Resource Manager (ARM) templates contribute to Infrastructure as Code practices?

- a. By providing a graphical user interface for resource deployment
- b. By enabling manual resource provisioning
- c. By defining infrastructure configurations as code in a declarative manner
- d. By managing only virtual machines in Azure



# Question

Which statement best describes the idempotent nature of Infrastructure as Code?

- a. Changes to infrastructure are irreversible.
- b. The same set of code will always produce the same infrastructure state.
- c. Infrastructure changes can only be performed manually.
- d. Idempotence is not relevant to Infrastructure as Code.

# Question

What role does Azure Policy play in conjunction with Infrastructure as Code on Azure?

- a. It replaces the need for Infrastructure as Code.
- b. It enforces resource compliance based on predefined policies.
- c. It is an alternative to version control for managing templates.
- d. It automates the writing of Infrastructure as Code scripts.

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# THANK YOU

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