**Azure Management Tools – Objective Domain**

**Describe the functionality and usage of:**

* **Azure Portal, Azure PowerShell, Azure CLI, Cloud Shell, and Azure Mobile App.**
* **Azure Advisor.**
* **Azure Resource Manager(ARM) templates.**
* **Azure Monitor.**
* **Azure Service Health.**

**Ferramentas de Gerenciamento do Azure**

O portal é uma das ferramentas para gerenciar o Azure, outra alternativa seria PowerShell para Windows, CLI para Linux,Cloud Shell é um shell interativo, autenticado e acessível pelo navegador para o gerenciamento de recursos do **Azure,** Azure Mobille para celular. Todas as ferramentas passam sua informação pela Rest API do azure.

**Management tools available in Azure**

Azure Resource Manager(ARM)

Command-Line Interface(CLI)

Azure Cloud Shell

Azure REST API

Azure Mobile App

Azure Portal

Azure PowerShell

**Walkthrough – Create a VM with an ARM Template**

**Use the Azure QuickStart gallery to deploy a template that creates a virtual machine.**

1. Explore the gallery and deploy a template.
2. Verify your virtual machine deployment.

**Walkthrough – Create a VM with PowerShell**

**Install PowerShell locally, create a resource group and virtual machine, access and use the Cloud Shell, and review Azure Advisor recommendations.**

Use PowerShell to create a resource group and virtual machine.

1. Execute PowerShell commands in the Cloud Shell.
2. Review Azure Advisor Recommendations.

**Walkthrough – Create VM with the Azure CLI**

**Install the Azure CLI locally, create a resource group and virtual machine, use the Cloud Shell, and review Azure Advisor recommendations.**

1. Install the CLI locally.
2. Use the CLI to create a resource group and virtual machine.
3. Execute commands in the Cloud Shell.
4. Review Azure Advisor Recommendations.

**Azure Advisor**

**Azure Advisor** analyzes deployed Azure resources and makes recommendations based on best practices to optimize Azure deployments.

* Reliability
* Security
* Performance
* Cost
* Operational Excellence

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