AZ-900

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Question 361	CertyIQ

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

▼	provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.
The Microsoft 365 Compliance admin center	
The Microsoft 365 Defender portal	
Microsoft Defender for Cloud in the Azure portal	
Microsoft Trust Center	

Suggested Answer:

▼	provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.
The Microsoft 365 Compliance admin center	
The Microsoft 365 Defender portal	
Microsoft Defender for Cloud in the Azure portal	
Microsoft Trust Center	

Explanation:

Correct Answer: Microsoft Trust Center

https://www.microsoft.com/en-us/trust-center/product-overview

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	○	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	○	○
The Azure portal can only be accessed from a Windows device.	○	○

Answer Area

Suggested Answer:

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	◉	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	◉	○
The Azure portal can only be accessed from a Windows device.	○	◉

Explanation:

Correct Answer: Y, Y, N

You can install the Az PowerShell module locally on Windows, macOS, and Linux. It can also be used from a browser through Azure Cloud Shell or inside a

Docker container.

Reference:

https://docs.microsoft.com/en-us/powershell/azure/what-is-azure-powershell?view=azps-6.6.0
https://serverfault.com/questions/323973/how-do-i-access-the-windows-azure-management-portal-from-ubuntu

Question 363

HOTSPOT -
Which node in the Azure portal should you use to assign a user the Reader role for a resource group? To answer, select the node in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

| | Overview |

| | Activity log |

| | Access control (IAM) |

| | Tags |

| | Resource visualizer |

| | Events |

Settings

| | Resource costs |

| | Deployments |

| | Security |

| | Policies |

| | Properties |

Answer Area

Suggested Answer:

- [●] Overview
- [■] Activity log
- [👥] Access control (IAM)
- [🏷] Tags
- [⚂] Resource visualizer
- [⚡] Events

Settings

- [◉] Resource costs
- [⬆] Deployments
- [🛡] Security
- [📋] Policies
- [⚙] Properties
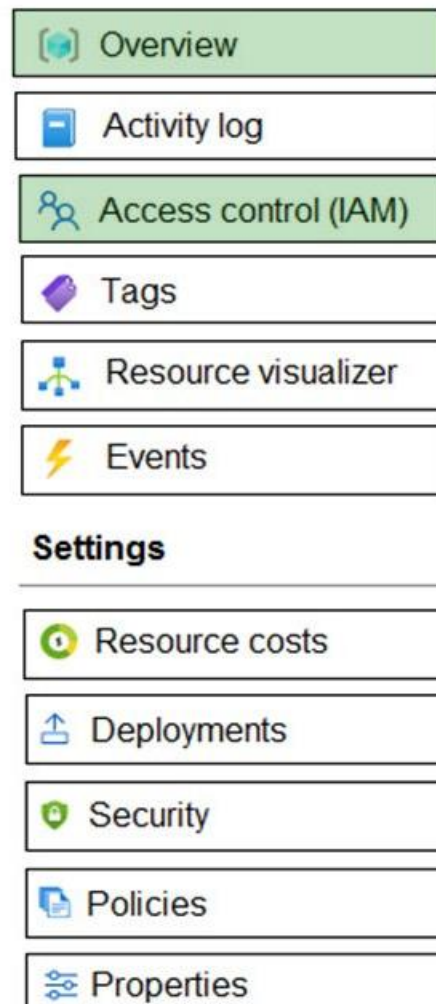
Explanation:

Correct Answer:

Box 1: Overview -
When you assign roles, you must specify a scope. Scope is the set of resources the access applies to. In Azure, you can specify a scope at four levels from broad to narrow: management group, subscription, resource group, and resource.
1. Sign in to the Azure portal.
2. In the Search box at the top, search for the scope you want to grant access to. For example, search for Management groups, Subscriptions, Resource groups, or a specific resource.
3. Click the specific resource for that scope.

4. The following shows an example resource group.
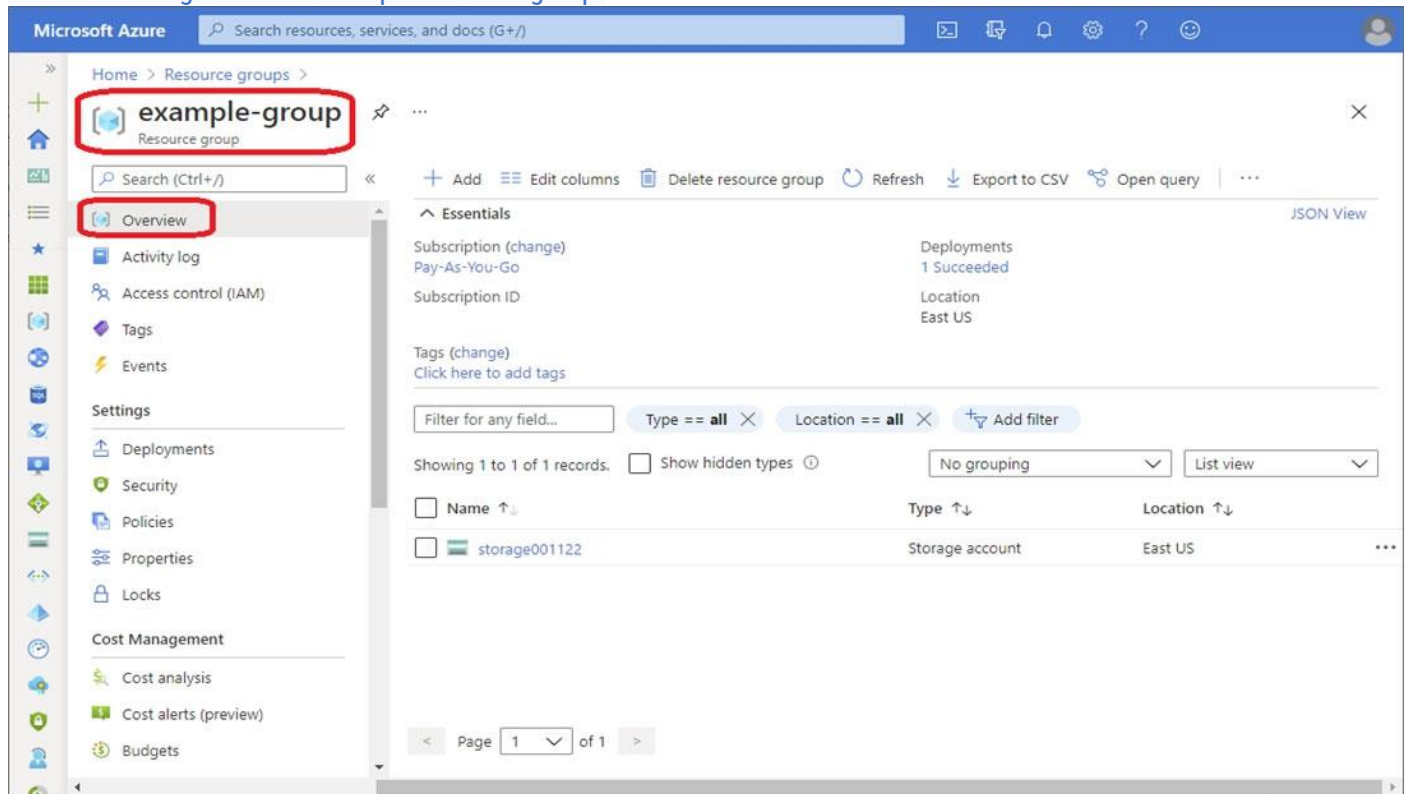
Box 2: Access control (IAM)
Access control (IAM) is the page that you typically use to assign roles to grant access to Azure resources. It's also known as identity and access management
(IAM) and appears in several locations in the Azure portal.
1. Click Access control (IAM).
The following shows an example of the Access control (IAM) page for a resource group.
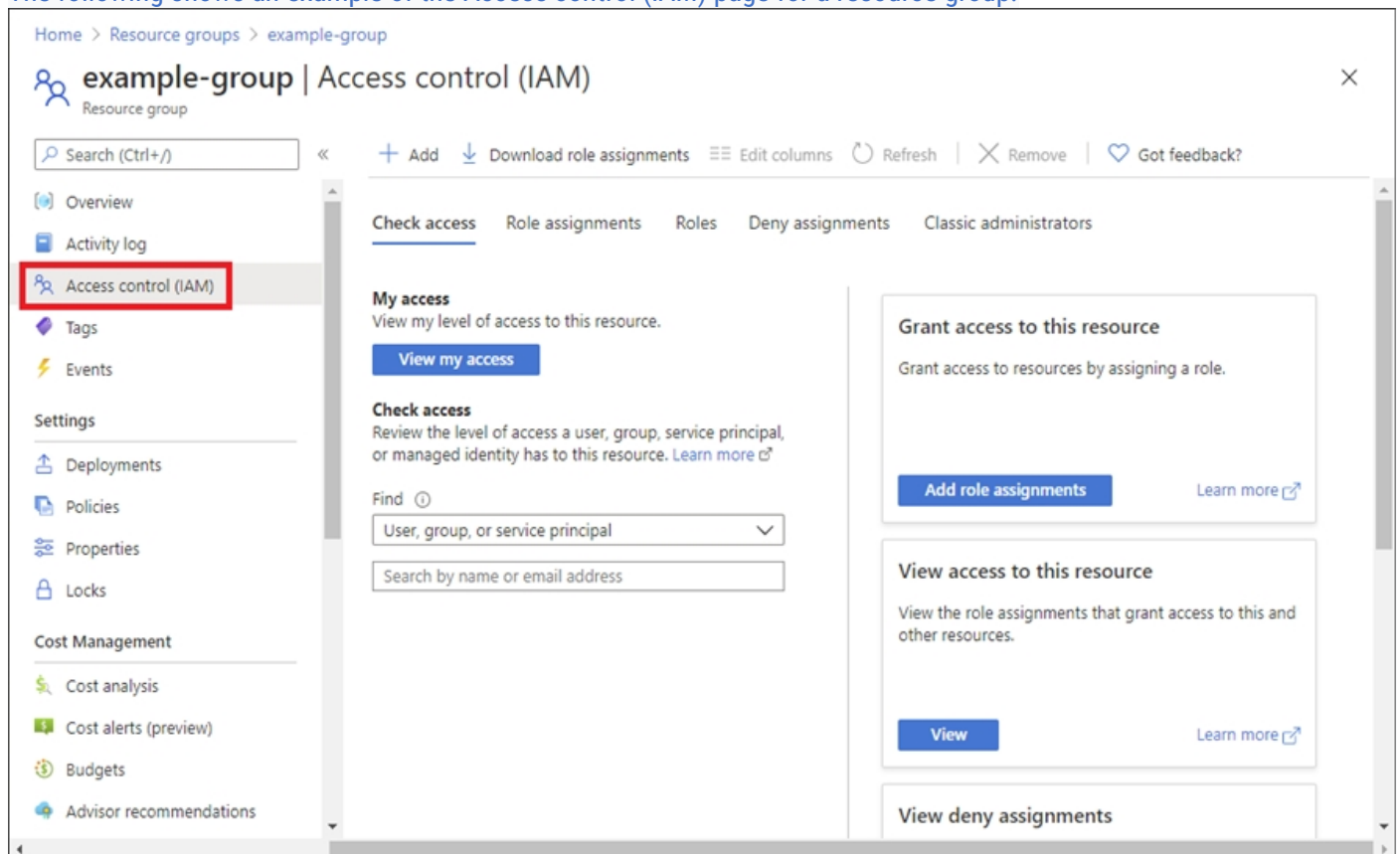
2. Click the Role assignments tab to view the role assignments at this scope.

3. Click Add > Add role assignment.
If you don't have permissions to assign roles, the Add role assignment option will be disabled.
4. The Add role assignment page opens.
Reference:
https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-portal

Question 364

CertyIQ

What can you use to identify underutilized or unused Azure virtual machines?

A. Azure Advisor

B. Azure Cost Management + Billing

C. Azure reservations

D. Azure Policy

Explanation:

Correct Answer: A

Azure Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.

Reference:

https://docs.microsoft.com/en-us/azure/advisor/advisor-overview

Question 365

CertyIQ

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	○	○
You can use Azure Cost Management to view costs associated to resource groups.	○	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	○	○

Answer Area

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	○	○
You can use Azure Cost Management to view costs associated to resource groups.	○	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	○	○

Suggested Answer:

Explanation:

Correct Answer: Y, Y, Y

"Cost Management uses Azure management groups, budgets, and recommendations to show clearly how your expenses are organized and how you might reduce costs."

Reference:

https://docs.microsoft.com/en-us/azure/cost-management-billing/cost-management-billing-overview

Question 366

CertyIQ

Which service provides serverless computing in Azure?

A. Azure Virtual Machines

B. Azure Functions

C. Azure storage account

D. Azure dedicated hosts

Explanation:

Correct Answer: B

Azure Functions provide a platform for serverless code.

Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

Reference:

https://docs.microsoft.com/en-us/azure/azure-functions/

Question 367

CertyIQ

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

You can access Compliance Manager
from the [▼]

Azure Active Directory admin center
Azure portal
Microsoft 365 admin center
Microsoft Service Trust Portal

Answer Area

You can access Compliance Manager
from the [▼]

Suggested Answer:

Azure Active Directory admin center
Azure portal
Microsoft 365 admin center
Microsoft Service Trust Portal

Explanation:

Correct Answer: Microsoft 365 Admin Center:

"Compliance Manager has moved from the Service Trust Portal to its new location in the Microsoft 365 compliance center. All customer data has been moved over to the new location, so you can continue using Compliance Manager without interruption. Refer to the Compliance Manager documentation for setup information and to learn about new features. Although the classic version of Compliance Manager remains in the Service Trust Portal, all users are encouraged to use Compliance Manager in the Microsoft 365 compliance center."

https://docs.microsoft.com/en-us/microsoft-365/compliance/get-started-with-service-trust-portal?view=o365-worldwide

Question 368   CertyIQ

A team of developers at your company plans to deploy, and then remove, 50 virtual machines each week. All the virtual machines are configured by using Azure
Resource Manager templates.
You need to recommend which Azure service will minimize the administrative effort required to deploy and remove the virtual machines.
What should you recommend?

A. Azure Reserved Virtual Machine (VM) Instances

C. Azure virtual machine scale sets

D. Azure Virtual Desktop

Explanation:

Correct Answer: B

DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates.

By using DevTest Labs, you can test the latest versions of your applications by doing the following tasks:

▢ Quickly provision Windows and Linux environments by using reusable templates and artifacts.

▢ Easily integrate your deployment pipeline with DevTest Labs to provision on-demand environments.

▢ Scale up your load testing by provisioning multiple test agents and create pre-provisioned environments for training and demos.

Reference:

https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-overview

Question 369   CertyIQ

DRAG DROP -
Arrange the storage account redundancy options from the least redundant to the most redundant. To answer, move all options from the list of options to the answer area and arrange them in the correct order.
Select and Place:

Redundancy options   **Answer Area**

Zone-redundant storage (ZRS)   >

Geo-redundant storage (GRS)   <

Locally-redundant storage (LRS)

Redundancy options   **Answer Area**

Correct Answer: Locally-redundant storage (LRS)

                                                                      Zone-redundant storage (ZRS)

                                                                      Geo-redundant storage (GRS)

Explanation:

Question 370 | CertyIQ

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

Answer Area

Azure Blob Storage is a

data store for queuing and reliably delivering messages between applications.
file share that can be mapped as a network drive.
key/attribute store for non-relational, structured data.
storage service optimized for very large objects, such as video files and bitmaps.

Correct Answer:

Answer Area

Azure Blob Storage is a

data store for queuing and reliably delivering messages between applications.
file share that can be mapped as a network drive.
key/attribute store for non-relational, structured data.
storage service optimized for very large objects, such as video files and bitmaps.

Question 371 | CertyIQ

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services in an Azure environment.	○	○
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	○	○
From Azure Service Health, an administrator can prevent a service failure	○	○

Correct Answer:

Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services in an Azure environment.	●	○
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	●	○
From Azure Service Health, an administrator can prevent a service failure	○	●

Explanation:

Correct Answer: Y, Y, N

Box 1: Yes -

Azure Service Health consists of three components: Azure Status, Azure Service Heath and Azure Resource Health.

Azure service health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Azure Service Health experience knows which services and resources you currently use.

To view the health of all other services available in Azure, you would use the Azure Status component of Azure Service Health. Azure status informs you of service outages in Azure on the Azure Status page. The page is a global view of the health of all Azure services across all Azure regions.

Box 2: Yes -

The best way to use Service Health is to set up Service Health alerts to notify you via your preferred communication channels when service issues, planned maintenance, or other changes may affect the Azure services and regions you use.

Box 3: No -

You can use Resource Health to view the health of a virtual machine. However, you cannot use Resource Health to prevent a service failure affecting the virtual machine.

Azure resource health provides information about the health of your individual cloud resources such as a specific virtual machine instance.

Question 372

CertyIQ

DRAG DROP -
Match the Azure service to the correct definition.
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right.
Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.
Select and Place:

Answer Options

| Azure Advisor |
| Azure Cognitive Services |
| Azure Application Insights |
| Azure DevOps |

Answer Area

	An integrated solution for the deployment of code
	A tool that provides guidance and recommendations to improve an Azure environment
	A simplified tool to build intelligent Artificial Intelligence (AI) applications
	Monitors web applications

Correct Answer:

Answer Options

| Azure Advisor |
| Azure Cognitive Services |
| Azure Application Insights |
| Azure DevOps |

Answer Area

Azure DevOps	An integrated solution for the deployment of code
Azure Advisor	A tool that provides guidance and recommendations to improve an Azure environment
Azure Cognitive Services	A simplified tool to build intelligent Artificial Intelligence (AI) applications
Azure Application Insights	Monitors web applications

Explanation:

Correct Answer:

Box 1: Azure DevOps.

Azure DevOps is Microsoft's primary software development and deployment platform.

DevOps influences the application lifecycle throughout its plan, develop, deliver and operate phases.

Box 2: Azure Advisor.

Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.

Box 3: Azure Cognitive Services.

Azure Cognitive Services are APIs, SDKs, and services available to help developers build intelligent applications without having direct AI or data science skills or knowledge. Azure Cognitive Services enable developers to easily add cognitive features into their applications. The goal of Azure Cognitive Services is to help developers create applications that can

see, hear, speak, understand, and even begin to reason. The catalog of services within Azure Cognitive Services can be categorized into five main pillars - Vision, Speech, Language, Web Search, and Decision.

Box 4. Azure Application Insights.

Azure Application Insights detects and diagnoses anomalies in web apps.

Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals.

Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.

References:

https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview https://azure.microsoft.com/en-gb/overview/what-is-devops/

https://docs.microsoft.com/en-us/azure/advisor/advisor-overview https://docs.microsoft.com/en-us/azure/cognitive-services/welcome

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Question 373

You need to manage containers.
Which two services can you use? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Azure Virtual Desktop

B. Azure virtual machines

C. Azure Functions

D. Azure Container Instances

E. Azure Kubernetes Service (AKS)

Explanation:

Correct Answer: DE

Run Docker containers on-demand in a managed, serverless Azure environment. Azure Container Instances is a solution for any scenario that can operate in isolated containers, without orchestration. Run event-driven applications, quickly deploy from your container development pipelines, and run data processing and build jobs.

You can manage containers at scale with a fully managed Kubernetes container management and orchestration service that integrates with Azure Active

Directory.

Azure Kubernetes Service is a robust and cost-effective container orchestration service that helps you to deploy and manage containerized applications in seconds where additional resources are assigned automatically without the headache of managing additional servers.

Reference:

https://docs.microsoft.com/en-us/azure/container-instances/

https://cloudacademy.com/blog/azure-kubernetes-service-aks-what-is-it-and-why-do-we-use-it

HOTSPOT -
To answer, select the appropriate option in the answer area.
Hot Area:

Answer Area

You have several virtual machines in an Azure subscription. You create a new subscription.

▼
The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2019.

Answer Area

You have several virtual machines in an Azure subscription. You create a new subscription.

Correct Answer:

▼
The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2019.

Explanation:

Correct Answer:

Box: The virtual machines can be moved to the new subscription.

You can move a VM and its associated resources to a different subscription by using the Azure portal.

Note: Repeat the process below for each Resource Group containing the VMs.

1. Go to the Azure portal to manage the resource group containing the VM to move. Search for and select Resource groups.

2. Choose the resource group containing the VM that you would like to move.

3. At the top of the page for the resource group, select Move and then select Move to another subscription. The Move resources page opens.

4. Select each of the resources to move. In most cases, you should move all of the related resources that are listed.

5. Select the Subscription where you want the VM to be moved.

6. Select an existing Resource group, or enter a name to have a new resource group created.

7. When you are done, select that you understand that new resource IDs will be created and that the new IDs will need to be used with the VM after it is moved, and then select OK.

Reference:

Question 375 CertyIQ

You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription.

What should you use?

A. Azure subscriptions

B. Microsoft Defender for Cloud

C. Azure Marketplace

D. Microsoft Store

Explanation:

Correct Answer: C

You can access these enhanced network security features by using an Azure partner solution. You can find the most current Azure partner network security solutions by visiting the Azure Marketplace, and searching for "security" and "network security."

Some third-party reseller services available on Azure Marketplace now consume your Enterprise Agreement (EA) Azure Prepayment balance.

Reference:

https://docs.microsoft.com/en-us/azure/security/fundamentals/network-overview

https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/ea-azure-marketplace

Question 376 CertyIQ

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

Answer Area

Azure Arc	▼	is a highly secure IoT solution that includes a microcontroller
Azure IoT Central		unit (MCU) and a customized Linux operating system.
Azure IoT Hub		
Azure Sphere		

Answer Area

Correct Answer:

| Azure Arc |
| Azure IoT Central |
| Azure IoT Hub |
| Azure Sphere |

is a highly secure IoT solution that includes a microcontroller unit (MCU) and a customized Linux operating system.

Explanation:

Correct Answer: Azure Sphere

Microsoft's Azure Sphere hardware and service designed to better secure Internet of Things (IoT) devices.

Azure Sphere consists of Microsoft-certified microcontrollers ג€" single-chip computers with processors, storage, memory and IoT capabilities ג€" plus the Azure

Sphere Linux-based OS and the Azure Sphere cloud security service.

Reference:

https://www.zdnet.com/article/microsofts-azure-sphere-its-linux-based-microcontroller-plus-cloud-service-hits-general-availability/

Question 377 CertyIQ

You plan to deploy a service to Azure virtual machines.
You need to ensure that the service will be available if a datacenter fails.
What should you use as part of the virtual machine deployment?

A. availability sets

B. proximity placement groups

C. host groups

D. availability zones

Explanation:

Correct Answer: D

Azure availability zones are physically separate locations within each Azure region that are tolerant to local failures. Failures can range from software and hardware failures to events such as earthquakes, floods, and fires. Tolerance to failures is achieved because of redundancy and logical isolation of Azure services. To ensure resiliency, a minimum of three separate availability zones are present in all availability zone-enabled regions.

Reference:

https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

Your company has an Azure subscription that contains resources in several regions.
You need to ensure that administrators can only create resources in those regions.
What should you use?

A. a read-only lock

B. an Azure policy

C. a management group

D. a reservation

Explanation:

Correct Answer: B

Azure Police has the capacity to enforces compliance in new resources or in others that already exists.

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

Answer Area

An Azure region ▼

contains one or more data centers that are connected by using a low-latency network.
is found in each country where Microsoft has a subsidiary office.
can be found in every country in Europe and the Americas only.
contains one or more data centers that are connected by using a high-latency network.

Answer Area

Correct Answer: An Azure region ▼

contains one or more data centers that are connected by using a low-latency network.
is found in each country where Microsoft has a subsidiary office.
can be found in every country in Europe and the Americas only.
contains one or more data centers that are connected by using a high-latency network.

Explanation:

Correct Answer:

Box: contains one or more data centers that are connected by using a low-latency network.

Each Azure region features datacenters deployed within a latency-defined perimeter. They're connected through a dedicated regional low-latency network. This design ensures that Azure services within any region offer the best possible performance and security.

Reference:

https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

Question 380

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

Answer Area

You can use the Azure File Sync agent to sync on-premises data to an Azure [▼]

- blob container.
- Data Lake Storage container.
- file share.
- queue.

Correct Answer:

Answer Area

You can use the Azure File Sync agent to sync on-premises data to an Azure [▼]

- blob container.
- Data Lake Storage container.
- **file share.**
- queue.

Explanation:

Correct Answer: File share

The Azure File Sync agent enables data on a Windows Server to be synchronized with an Azure File share.

Reference:

https://www.microsoft.com/en-us/download/details.aspx?id=57159

Question 381

What is the function of a Site-to-Site VPN?

A. provides a secure connection between a computer on a public network and the corporate network

B. provides a dedicated private connection to Azure that does NOT travel over the internet

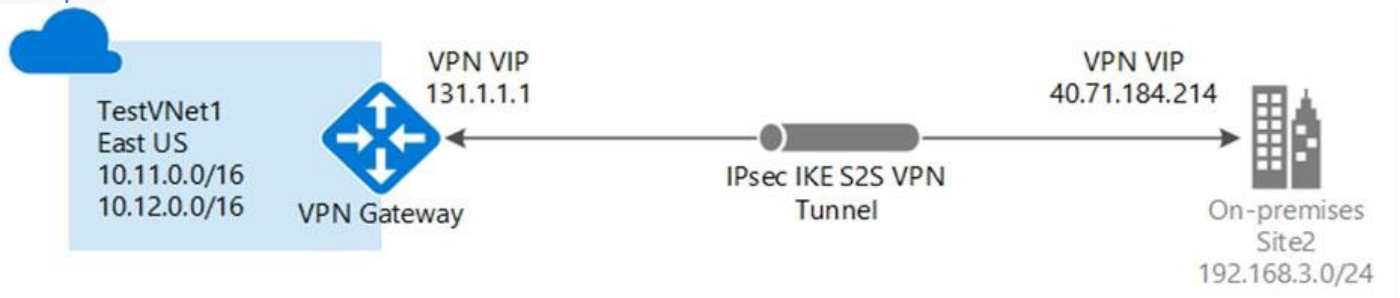C. provides a connection from an on-premises VPN device to an Azure VPN gateway

Explanation:

Correct Answer: C

A Site-to-Site VPN gateway connection is used to connect your on-premises network to an Azure virtual network over an IPsec/IKE (IKEv1 or IKEv2) VPN tunnel.
This type of connection requires a VPN device located on-premises that has an externally facing public IP address assigned to it.
Example:

Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-classic-portal

Question 382

DRAG DROP -
Match the cloud service models to the appropriate offerings.
To answer, drag the appropriate model from the column on the left to its offering on the right. Each model may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.
Select and Place:

Explanation:

Correct Answer:

Box 1: Platform as a service (PaaS)

Azure App Service is a fully managed platform for building web applications.

Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications.

Box 2: Infrastructure as a service (IaaS)

Windows Azure Virtual Machines, an Infrastructure-as-a-Service (IaaS) offering in Windows Azure, was released back in 2012.

Box 3: Software as a service (SaaS)

Dynamics 365 is a set of interconnected, modular Software-as-a-Service (SaaS) applications and services designed to both transform and enable your core customers, employees, and business activities.

Reference:

https://azure.microsoft.com/en-us/overview/what-is-paas/

https://azure.microsoft.com/en-us/blog/infrastructure-as-a-service-series-virtual-machines-and-windows/
https://pipol.com/what-is-microsoft-dynamics-365

Question 383 CertyIQ

DRAG DROP -
Match the cloud service models to the appropriate solutions.
To answer, drag the appropriate cloud service model from the column on the left to its solution on the right Each cloud service model may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.
Select and Place:

Answer Area

Infrastructure-as-a-Service (IaaS)	
Platform-as-a-Service (PaaS)	A cloud-based file server
Software-as-a-Service (SaaS)	A cloud-based accounting system
	A cloud-based service for custom apps

Correct Answer:

Answer Area

Infrastructure-as-a-Service (IaaS)	
Platform-as-a-Service (PaaS)	
Software-as-a-Service (SaaS)	

Infrastructure-as-a-Service (IaaS)	A cloud-based file server
Software-as-a-Service (SaaS)	A cloud-based accounting system
Platform-as-a-Service (PaaS)	A cloud-based service for custom apps

Explanation:

Correct Answer:

Box 1: Infrastructure as a service (IaaS)

Azure Files is a simple, secure, and serverless enterprise-grade cloud file shares.

Infrastructure as a service (IaaS) is a type of cloud computing service that offers essential compute, storage, and networking resources on demand, on a pay-as- you-go basis.

Box 2: Software as a service (SaaS)

Dynamics 365 is a set of interconnected, modular Software-as-a-Service (SaaS) applications and services designed to both transform and enable your core customers, employees, and business activities. It includes Dynamics 365 Finance: use the guided, rules-based chart of accounts and no-code configuration service to simplify regulatory reporting, electronic invoicing, and global payments.

Box 3: Platform as a service (PaaS)

Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications.

Reference:

https://azure.microsoft.com/en-us/overview/what-is-iaas

https://azure.microsoft.com/en-us/overview/what-is-paas/

Question 384 CertyIQ

What is the most severe failure from which an Azure Availability Zone can be used to protect access to Azure service?

A. a physical server failure

B. an Azure region failure

C. a storage failure

D. an Azure data center failure

Explanation:

Correct Answer: D

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.

Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/availability

Question 385 CertyIQ

You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription.

What should you use?

A. Azure subscriptions

B. Azure Security Center

<mark>C. Azure Marketplace</mark>

D. Microsoft Store

Explanation:

Correct Answer: C

Marketplace

Reference:

https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/ea-azure-marketplace

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Question 386   CertyIQ

DRAG DROP -
Match the serverless solution to the correct characteristic.
To answer, drag the appropriate serverless solution from the column on the left to its characteristic on the right. Each
serverless solution may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.
Select and Place:

Serverless Solutions   **Answer Area**

Executes code: [   ]

Azure Functions

Is always stateful: [   ]

Azure Logic Apps

Runs only in the cloud: [   ]

Serverless Solutions   **Answer Area**

Correct Answer:

Azure Functions   Executes code: Azure Functions

                           Is always stateful: Azure Functions

Azure Logic Apps

                           Runs only in the cloud: Azure Logic Apps

Explanation:

Box 1: Azure Functions -

Azure Functions allows you to implement your system's logic into readily available blocks of code called "functions". Different functions can run anytime you need to respond to critical events.

Box 2: Azure Functions -

Azure Logic Apps can have multiple stateful and stateless workflows.

Box 3: Azure Logic Apps -

Azure Logic Apps is a cloud-based platform for creating and running automated workflows that integrate your apps, data, services, and systems.

Reference:

https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview

https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview

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Question 387   CertyIQ

DRAG DROP -
Match the Azure governance feature to the correct description.
Instructions: To answer, drag the appropriate feature from the column on the left to its description on the right.
Each feature may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.
Select and Place:

Features

- Azure Blueprints
- Azure Policy
- Azure resource locks
- Azure tags

Answer Area

	Description
	Restrict which virtual machine types can be created in a subscription.
	Identify Azure resources that are associated with specific cost centers.
	Deploy a complete Azure application environment including resources configuration and role assignments.

Correct Answer:

Features

- Azure Blueprints
- Azure Policy
- Azure resource locks
- Azure tags

Answer Area

Feature	Description
Azure Policy	Restrict which virtual machine types can be created in a subscription.
Azure tags	Identify Azure resources that are associated with specific cost centers.
Azure Blueprints	Deploy a complete Azure application environment including resources configuration and role assignments.

Explanation:

Correct Answer:

Reference:

https://docs.microsoft.com/en-us/azure/governance/blueprints/overview https://docs.microsoft.com/en-us/azure/governance/policy/overview https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources?tabs=json https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources?tabs=json

Question 388	CertyIQ

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

Answer Area

An Availability Zone in Azure has physically separate locations ▼

- across two continents
- within a single Azure region
- within multiple Azure regions
- within a single Azure datacenter

Answer Area

Correct Answer: An Availability Zone in Azure has physically separate locations ▼

- across two continents
- within a single Azure region
- within multiple Azure regions
- within a single Azure datacenter

Explanation:

Correct Answer:

Box: within a single Azure region
Azure availability zones are physically separate locations within each Azure region that are tolerant to local failures.

Reference:
https://docs.microsoft.com/en-us/azure/availability-zones/az-overview
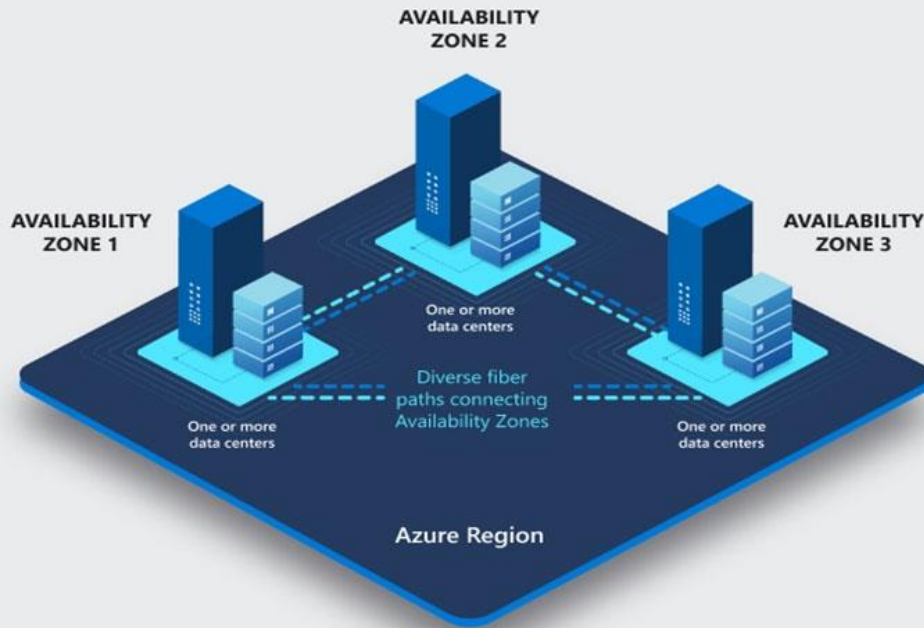
Question 389

CertyIQ

DRAG DROP -
Match the Azure services to the correct descriptions.
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.
Select and Place:

Services	Answer Area	
Azure Functions		Provide operating system virtualization.
Azure App Service		Provide portable environment for virtualized applications.
Azure virtual machines		Used to build, deploy, and scale web apps.
Azure Container Instances		Provide a platform for serverless code.

Services	Answer Area	
Azure Functions	Azure virtual machines	Provide operating system virtualization.
Azure App Service	Azure Container Instances	Provide portable environment for virtualized applications.
Azure virtual machines	Azure App Service	Used to build, deploy, and scale web apps
Azure Container Instances	Azure Functions	Provide a platform for serverless code.

Explanation:

Correct Answer:

Box 1: Azure virtual machines -

Box 2: Azure Container instances

Azure Container Instances (ACI) is a managed service that allows you to run containers directly on the Microsoft Azure public cloud, without requiring the use of virtual machines (VMs).

Develop apps fast without managing virtual machines or having to learn new toolsג€"it's just your application, in a container, running in the cloud.

Box 3: Azure App Service -

Azure App Service is a fully managed platform for building web applications.

Applications run and scale with ease on both Windows and Linux-based environments.

Box 4: Azure Functions -

Azure Functions (from Microsoft Azure) is a cloud-based serverless service that allows running event-triggered code in a scalable way without providing or managing infrastructure.

Reference:

https://docs.microsoft.com/en-us/azure/container-instances

https://azure.microsoft.com/en-us/services/app-service/

https://revdebug.com/blog/what-are-azure-functions

Question 390   CertyIQ

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:
Answer Area

An Azure region [▾]

contains one or more data centers that are connected by using a low-latency network.
is found in each country where Microsoft has a subsidiary office.
can be found in every country in Europe and the Americas only.
contains one or more data centers that are connected by using a high-latency network.

Answer Area

An Azure region	⌄

contains one or more data centers that are connected by using a low-latency network.
is found in each country where Microsoft has a subsidiary office.
can be found in every country in Europe and the Americas only.
contains one or more data centers that are connected by using a high-latency network.

Correct Answer:

Explanation:

Correct Answer:

A region is a set of data centres deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.

Microsoft Azure currently has 55 regions worldwide.

Regions are divided into Availability Zones. Availability Zones are physically separate locations within an Azure region. Each Availability Zone is made up of one or more datacenters equipped with independent power, cooling, and networking.

Reference:

https://azure.microsoft.com/en-gb/global-infrastructure/regions/

Question 391 CertyIQ

What are two benefits of cloud computing? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. enables the rapid provisioning of resources

B. has increased administrative complexity

C. has the same configuration options as on-premises

D. shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

Explanation:

Correct Answer: AD

Azure allows you to build, deploy, and manage apps more quickly and easily without having to buy and/or maintain the underlying infrastructure.

Azure provides flexibility between CapEx and OpEx

Capital expenditures generate benefits over a long period. These expenditures are generally nonrecurring and result in the acquisition of permanent assets.

Building an application could qualify as a capital expenditure. Example, Azure Reserved Instances (Azure RI) help Azure's most active customers save on long- term VM usage reserving VMs in advance at a discounted price by committing to a one or three-year benefits.

Operating expenditures are ongoing costs of doing business. Consuming cloud services in a pay-as-you-go model could qualify as an operating expenditure.

Example, you pay for a service or product as you use it i.e. pay-as-you-go pricing.

Reference:

https://www.protechtraining.com/blog/post/top-5-benefits-of-microsoft-azure-for-business-934
https://www.azureguru.org/capex-vs-opex/#

Question 392

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Statements	Yes	No
Azure virtual networks deployed to the same Azure region are connected by default.	O	O
Each Azure virtual network in a single resource group must have a unique name.	O	O
The Azure virtual network's address space must be unique within a subscription.	O	O

Correct Answer:

Statements	Yes	No
Azure virtual networks deployed to the same Azure region are connected by default.	O	O
Each Azure virtual network in a single resource group must have a unique name.	O	O
The Azure virtual network's address space must be unique within a subscription.	O	O

Explanation:

Correct Answer: N, Y, Y

Box 1: No -

You would need to setup the VNET connections, for example with peering.

Note: You can connect virtual networks to each other with virtual network peering. These virtual networks can be in the same region or different regions (also known as Global VNet peering). Once virtual networks are peered, resources in both virtual networks can communicate with each other.

Box 2: Yes -

All Azure resource types have a scope that defines the level that resource names must be unique. A resource must have a unique name within its scope.

For example, a virtual network has a resource group scope, which means that there can be only one network named vnet-prod-westus-001 in a given resource group.

Box 3: Yes -

As you build your network in Azure, it is important to keep in mind the following universal design principles:

Ensure non-overlapping address spaces. Make sure your VNet address space (CIDR block) does not overlap with your organization's other network ranges.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-network/tutorial-connect-virtual-networks-portal
https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-best-practices/resource-naming

Question 393 CertyIQ

As part of a cloud migration, your Azure cloud implementation has been initially seeded with 100TB of data.

As the migration continues, you need to periodically migrate data to Azure using Server Message Block (SMB).

Which two solutions should you use to meet this requirement? Each correct answer presents a complete solution.

Choose the correct answers
A. Azure Files

B. Azure Data Box Heavy

C. Azure Data Share

D. Azure Data Box Gateway

Explanation:

Correct Answer: AD

You should use Azure Data Box Gateway to periodically migrate data to Azure using Server Message Block (SMB). Azure Data Box Gateway is a service that enables you to securely transfer large amounts of data to and from Azure Data Box. You can use the Gateway to replicate data between on-premises storage and Azure Data Box, or to transfer data into and out of Azure Storage accounts using your network. Data Box Gateway is a virtual appliance you run on-premises which presents an SMB endpoint to your users.

You should use Azure Files to periodically migrate data to Azure using SMB. Azure Files is a cloud file storage service from Microsoft that operates like a traditional file server. SMB is a file sharing protocol used on Windows operating systems. Using SMB with Azure Files, Windows and other SMB-capable clients can access shared files located in the cloud.

You should not use Azure Data Box Heavy to periodically migrate data to Azure using SMB. Azure Data Box Heavy is a physical data transfer service that allows you to copy large amounts of data (up to 100TB) from your on-premises data center to an Azure datacenter. The data is first transferred to an Azure Data Box appliance, which is then shipped to an Azure datacenter where it is imported into your storage account.

You should not use Azure Data Share to periodically migrate data to Azure using SMB. Azure Data Share is a cloud-based storage service offered by Microsoft. It allows users to share data across multiple devices and applications. Data can be accessed by authorized users from any location, and it can be secured using user authentication and encryption.

Question 394   CertyIQ

You deploy three virtual machines (VMs) to Azure as a three-tiered architecture. One VM hosts a front-end web application, one VM hosts a business application programming interface (API), and the other VM hosts a Microsoft SQL Server database. Only the front-end web application should be publicly accessible, and it should be accessible over HTTP on port 80. All three VMs must be accessible over Remote Desktop Protocol (RDP) on port 222. Only your account should be able to use RDP to access the VMs.

You need to determine how Network Security Groups (NSGs) can be used in this scenario.

Which two ways can NSG rules be used? Each correct answer presents a complete solution.

Choose the correct answers
A. To ensure that the front-end VM hosts only web applications

B. To ensure that only the front-end VM is publicly accessible over port 80

C. To ensure that all three VMs are accessible over port 222

D. To ensure that only your account can use RDP to access the VMs

Explanation:

Correct Answer: BC

An NSG can ensure that all three VMs are accessible over port 222. An NSG acts like a firewall. It defines rules that allow or deny inbound and outbound traffic.

An NSG can ensure that only the front-end VM is publicly accessible over port 80. An NSG acts like a firewall. It defines rules that allow or deny inbound and outbound traffic.

An NSG cannot ensure that the front-end VM hosts only web applications. You cannot use an NSG to restrict applications on a VM. This is an IT management issue.

An NSG cannot ensure that only your account can use RDP to access the VMs. You cannot use an NSG to restrict user account access to a VM. You must use role-based access control (RBAC) to accomplish this.

Question 395   CertyIQ

You need to give all users in a group the ability to create and manage all types of Azure resources in a subscription. Rights granted to the users should be kept to a minimum.

Which built-in role-based access control (RBAC) role should you assign to the group?

Choose the correct answer
A. Contributor

B. Owner

C. User Access Administrator

D. Reader

Explanation:

Question 396   CertyIQ

Your company has a new policy to restrict administrative access to resources at the resource group and resource scopes in a detailed, granular way. Access will be granted to various groups and individual users.

You need to implement the new policy.

What should you use?

Choose the correct answer

    A. Locks

    B. Azure Policy

    C. Role-based access control (RBAC)

    D. Azure Advisor

Explanation:

of the resources contained in that scope. Locks apply to all users and roles and do not provide the granular control required by the scenario.

Question 397

Your company wants to ensure that it meets its internal compliance goals and that Azure resources are compliant with company standards. This will include ongoing evaluation for compliance and the identification of non-compliant resources.

You need to recommend a solution.

What should you use?

Choose the correct answer

A.   Azure Policy

B.   Azure Monitor

C.   Role-based access control (RBAC)

D.   Azure Advisor

Explanation:

Correct Answer: A

You should use Azure Policy. Azure Policy lets a company enforce rules that apply to resources to help ensure compliance with company standards. Policies can also be used to ensure that resources meet service level agreement (SLA) requirements. Resources are evaluated based on policies and non-compliant resources are identified.

You should not use RBAC. RBAC lets you manage access to resources through built-in and custom roles applied to management groups, subscriptions, resource groups, and resources. Roles can be assigned to groups, users, other security principals, and managed identifies. RBAC has over 70 built-in roles.

You should not use Azure Advisor. Azure Advisor integrates with Azure Security Center to provide a consolidated view of recommendations for all Azure resources to help improve the cost effectiveness, performance, high availability, and security of Azure resources. It does not enable you to monitor and evaluate for compliance.

You should not use Azure Monitor. Azure Monitor provides a solution for collecting, analyzing, and acting on telemetry from cloud and on-premises environments, however it would not enable you to monitor for compliance with company standards.

Question 398

Your company uses Azure Blueprints to assist with its migration to Azure. User1 should be able to assign published blueprints.

You need to add User1 to the role-based access control (RBAC) role necessary to provide this permission. Your solution should follow the principle of least privilege.

Which role should you assign User1 to?

Choose the correct answer

    A. Contributor

    B. Blueprint Operator

    C. Owner

    D. Blueprint Contributor

Explanation:

Correct Answer: B

You should assign User1 to the Blueprint Operator role. Members of this role can assign existing published blueprints, but they cannot create new blueprint definitions.

You should not assign Userl to the Owner role. This would enable the user to assign published blueprints, however it would violate the principle of least privilege because the role includes all Azure Blueprint related permissions.

You should not assign User to the Contributor role. Members of this role can create and delete blueprint definitions, but they cannot assign published blueprints.

You should not assign User1 to the Blueprint Contributor role. This role enables users to manage but not assign blueprint definitions.

Question 399   CertyIQ

Which resource is required to use Azure Cloud Shell?

Choose the correct answer

    A. Container

    B. Storage account

    C. Virtual machine (VM)

    D. App Services web app

Explanation:

Correct Answer: B

A storage account is required to use Azure Cloud Shell.

A VM is not required to use Azure Cloud Shell. A VM is a compute resource that you use as if you were working on a local computer.

An App Services web app allows you to deploy web applications to Azure. Azure Cloud Shell is a feature of the web-based Azure portal.

A container is similar to a VM with the exception that you cannot manage the operating system. A container allows you to deploy a self-contained application.

Question 400   CertyIQ

Which Azure management tool provides a graphic interface for deploying, managing, and monitoring Azure resources?

Choose the correct answer

A. Azure portal

B. Azure Command-line interface (CLI)

C. Azure PowerShell

D. Azure Resource Manager

Explanation:

Correct Answer: A

Azure portal provides a graphic interface for deploying, managing, and monitoring Azure resources. It can also be used to manage all aspects of your applications. Azure portal has a home view, which is the default view with menus, and a dashboard view, which gives you easy access to tools and information.

Azure PowerShell and Azure CLI are both command-line based management utilities and do not provide a graphic interface.

Azure Resource Manager is not used for managing and monitoring Azure resources. It is used to deploy resources based on templates and provides an easy way to deploy consistent instances of resources.

End of Part 10 🙂

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