

Module 01 Review Questions

Review Question 1

Which of the following describes a benefit of cloud services?

- ☒ Economies of scale
- ☐ Fixed workloads
- ☐ Unpredictable costs

Explanation

Economies of scale. Economies of scale is the ability to do things more cheaply and more efficiently when operating at a larger scale in comparison to operating at a smaller scale.

Review Question 2

Which of the following refers to spending money upfront and then deducting that expense over time?

- ☒ Capital expenditure
- ☐ Operational expenditures
- ☐ Supply and demand

Explanation

Capital expenditure. Capital expenditure refers to spending of money on physical infrastructure up front, and then deducting that expense from your tax bill over time.

Review Question 3

Which of the following refers to making a service available with no downtime for an extended period of time?

- ☐ Agility
- ☐ Fault tolerance
- ☒ High availability

- ☐ Performance

Explanation

High Availability. High availability keeps services up and running for long periods of time, with very little downtime, depending on the service in question.

Review Question 4

Microsoft Office 365 is an example of?

- ☐ Infrastructure as a Service
- ☐ Platform as a Service
- ☒ Software as a Service

Explanation

Software as a Service. SaaS is typically licensed through a monthly or annual subscription.

Review Question 5

Which cloud model provides the greatest degree of ownership and control?

- ☐ Hybrid
- ☒ Private
- ☐ Public

Explanation

Private. The private cloud provides the greatest degree of ownership and control.

Review Question 6

Which cloud model provides the greatest degree of flexibility?

- ☐ Public
- ☐ Private
- ☒ Hybrid

Explanation

Hybrid. The hybrid cloud model provides the greatest degree of flexibility, as you have the option to choose either public or private depending on your requirements.

Review Question 7

Which of the following describes a public cloud?

- ☐ Is owned and operated by the organization that uses the resources from that cloud.
- ☐ Lets organizations run applications in the cloud or on-premises.
- ☒ Provides resources and services to multiple organizations and users, who connect through a secure network connection.

Explanation

The public cloud provides resources and services to multiple organizations and users, who connect through a secure network connection.

Review Question 8

Which of the following describes Platform as a Service (PaaS)?

- ☐ Users are responsible for purchasing, installing, configuring, and managing their own software—operating systems, middleware, and applications.
- ☒ Users create and deploy applications quickly without having to worry about managing the underlying infrastructure.
- ☐ Users pay an annual or monthly subscription.

Explanation

PaaS lets users create and deploy applications quickly without having to worry about managing the underlying infrastructure.

Review Question 9

You have legacy applications that require specialized mainframe hardware and you have newer shared applications. Which cloud deployment model would be best for you?

- ☐ Public cloud

- ☐ Private cloud
- ☒ Hybrid cloud

Explanation

Hybrid cloud. A hybrid cloud is a public and private cloud combined. You can run your newer applications on commodity hardware you rent from the public cloud and maintain your specialized mainframe hardware on-premises.

Review Question 10

Which of the following requires the most user management of the cloud services?

- ☒ Infrastructure as a Service
- ☐ Platform as a Service
- ☐ Software as a Service

Explanation

Infrastructure as a Service. Infrastructure as a Service requires the most user management of cloud services.

Module 02 Review Questions

Review Question 1

Which of the following ensures data-residency and compliance needs are met for customers who need to keep their data and applications close?

- ☒ Geographies
- ☐ Regions
- ☐ Zones

Explanation

Geographies. Geographies allow customers with specific data-residency and compliance needs to keep their data and applications close. Geographies ensure that data residency, sovereignty, compliance, and resiliency requirements are honored within geographical boundaries.

Review Question 2

As a best practice, all resources that are part of an application and share the same lifecycle should exist in the same?

- ☐ Availability set
- ☐ Region
- ☒ Resource group

Explanation

Resource group. For ease of management, resources that are part of an application and share its lifecycle should be placed in the same resource group.

Review Question 3

Which Azure compute resource can you use to deploy to manage a set of identical virtual machines?

- ☐ Virtual machine availability sets

- ☐ Virtual machine availability zones
- ☒ Virtual machine scale sets

Explanation

Virtual machine scale sets. Virtual machine scale sets let you deploy and manage a set of identical virtual machines.

Review Question 4

Which of the following should you use when you are concerned only about the code running your service and not the underlying platform or infrastructure?

- ☐ Azure App Service
- ☐ Azure Container Instances
- ☒ Azure Functions

Explanation

Azure Functions. Azure Functions are ideal when you're concerned only about the code running your service and not the underlying platform or infrastructure.

Review Question 5

Azure Resource Manager templates use which format?

- ☐ HTML
- ☒ JSON
- ☐ XML

Explanation

JSON. Resource Manager templates are JSON files that define the resources you need to deploy for your solution. You can use template to easily re-create multiple versions of your infrastructure, such as staging and production.

Review Question 6

Which of the following services is a distributed network of servers that can efficiently deliver web content to users?

- ☐ Azure App Services
- ☒ Azure Content Delivery Network
- ☐ Azure Cosmos DB

Explanation

Azure Content Delivery Network. A Content Delivery Network is a distributed network of servers that can efficiently deliver web content to users.

Review Question 7

Which of the following is optimized for storing massive amounts of unstructured data, such as videos and images?

- ☒ Blobs
- ☐ Files
- ☐ Queues

Explanation

Blobs. Azure Blob storage is Microsoft's object storage solution for the cloud. Blob storage is optimized for storing massive amounts of unstructured data, such as text or binary data.

Review Question 8

Which of the following is part of the Azure Artificial Intelligence service?

- ☐ HDInsight
- ☒ Azure Machine Learning service
- ☐ Azure DevTest Labs

Explanation

Azure Machine Learning service. Machine Learning service provides a cloud-based environment that you can use to develop, train, test, deploy, manage, and track machine learning models.

Review Question 9

Which of the following cloud services provides development collaboration tools including high-performance pipelines, free private Git repositories, and configurable Kanban boards?

- ☒ Azure DevOps Services
- ☐ Azure Event Grid
- ☐ HDInsight

Explanation

Azure DevOps Services. Azure DevOps Services includes development collaboration tools including high-performance pipelines, free private Git repositories, and configurable Kanban boards.

Review Question 10

Microsoft Azure datacenters are organized and made available by?

- ☐ Geographies
- ☒ Regions
- ☐ Zones

Explanation

Regions. Microsoft Azure datacenters are organized and made available by region.

Module 03 Review Questions

Review Question 1

Which of the following could grant or deny access based on the originating IP address?

- ☐ Azure Active Directory
- ☒ Azure Firewall
- ☐ VPN Gateway

Explanation

Azure Firewall. The Azure Firewall grants server access based on the originating IP address of each request. You create firewall rules that specify ranges of IP addresses. Only clients from these granted IP addresses will be allowed to access the server. Firewall rules also include specific network protocol and port information.

Review Question 2

Which of the following could require both a password and a security question for full authentication?

- ☐ Azure Firewall
- ☐ Application Gateway
- ☒ Multi-Factor Authentication

Explanation

Multi-Factor Authentication (MFA). MFA can require two or more elements for full authentication.

Review Question 3

Which of the following services would you use to filter internet traffic in your Azure virtual network?

- ☐ Azure Firewall
- ☒ Network Security Group

- ☐ VPN Gateway

Explanation

Network Security Group (NSG). NSGs allow you to filter network traffic to and from Azure resources in an Azure virtual network. An NSG can contain multiple inbound and outbound security rules that enable you to filter traffic to and from resources by source and destination IP address, port, and protocol.

Review Question 4

Which of the following lets you store passwords in Azure so you can centrally manage them for your services and applications?

- ☐ Azure Advanced Threat Protection
- ☒ Azure Key Vault
- ☐ Azure Security Center

Explanation

Azure Key Vault. Azure Key Vault is a centralized cloud service for storing your applications' secrets. Key Vault helps you control your applications' secrets by keeping them in a single, central location and by providing secure access, permissions control, and access logging capabilities.

Review Question 5

Which of the following should you use to download published audit reports and how Microsoft builds and operates its cloud services?

- ☐ Azure Policy
- ☐ Azure Service Health
- ☒ Service Trust Portal

Explanation

Service Trust Portal (STP). Service Trust Portal is the Microsoft public site for publishing audit reports and other compliance-related information relevant to Microsoft's cloud services. STP users can download audit reports produced by external auditors and gain

insight from Microsoft-authored reports that provide details on how Microsoft builds and operates its cloud services.

Review Question 6

Which of the following provides information about planned maintenance and changes that could affect the availability of your resources?

- ☐ Azure Monitor
- ☐ Azure Security Center
- ☒ Azure Service Health

Explanation

Azure Service Health. Azure Service Health is a suite of experiences that provide personalized guidance and support when issues with Azure services affect you. It can notify you, help you understand the impact of issues, and keep you updated as the issue is resolved. Azure Service Health can also help you prepare for planned maintenance and changes that could affect the availability of your resources.

Review Question 7

Where can you obtain details about the personal data Microsoft processes, how Microsoft processes it, and for what purposes?

- ☒ Microsoft Privacy Statement
- ☐ Compliance Manager
- ☐ Azure Service Health

Explanation

Microsoft Privacy Statement. The Microsoft Privacy Statement explains what personal data Microsoft processes, how Microsoft processes it, and for what purposes.

Review Question 8

Which of the following can be used to help you enforce resource tagging so you can manage billing?

- ☒ Azure Policy
- ☐ Azure Service Health
- ☐ Compliance Manager

Explanation

Azure Policy. Azure Policy can be used to enforce tagging values and rules on resources.

Review Question 9

Which of the following can be used to define a repeatable set of Azure resources that implement organizational requirements?

- ☒ Azure Blueprint
- ☐ Azure Policy
- ☐ Azure Resource Groups

Explanation

Azure Blueprints. Azure Blueprints enable cloud architects to define a repeatable set of Azure resources that implement and adhere to an organization's standards, patterns, and requirements. Azure Blueprint enables development teams to rapidly build and deploy new environments with the knowledge that they're building within organizational compliance with a set of built-in components that speed up development and delivery.

Review Question 10

Which of the following lets you grant users only the rights they need to perform their jobs?

- ☐ Azure Policy
- ☐ Compliance Manager
- ☒ Role-Based Access Control

Explanation

Role-Based Access Control (RBAC). RBAC lets you to grant users only the rights they need to perform their jobs.

Module 04 Review Questions

Review Question 1

Which of the following provides a set of tools for monitoring, allocating, and optimizing your Azure costs?

- ☒ Azure Cost Management
- ☐ Azure Pricing Calculator
- ☐ Total Cost of Ownership Calculator

Explanation

Azure Cost Management. Azure Cost Management is an Azure product that provides a set of tools for monitoring, allocating, and optimizing your Azure costs.

Review Question 2

Which of the following can be used to manage governance across multiple Azure subscriptions?

- ☐ Azure Initiatives
- ☒ Management Groups
- ☐ Resource Groups

Explanation

Management Groups. Management groups facilitate the hierarchical ordering of Azure resources into collections, at a level of scope above subscriptions. Distinct governance conditions can be applied to each management group, with Azure Policy and Azure RBACs, to manage Azure subscriptions effectively. The resources and subscriptions assigned to a management group automatically inherit the conditions applied to the management group.

Review Question 3

Which of the following defines performance targets, like uptime, for an Azure product or service?

- ☒ Service Level Agreements
- ☐ Support Plans
- ☐ Usage Meters

Explanation

Service Level Agreement (SLA). The SLA defines performance targets for an Azure product or service.

Review Question 4

Which of the following is a logical unit of Azure services that links to an Azure account?

- ☒ Azure Subscription
- ☐ Management Group
- ☐ Resource Group

Explanation

Azure subscription. Azure subscription is a logical unit of Azure services that links to an Azure account.

Review Question 5

Which of the following support plans does not offer 24x7 access to Support Engineers by email and phone?

- ☒ Developer
- ☐ Standard
- ☐ Professional Direct

Explanation

Developer. The Developer support plan does not offer 24x7 access to Support Engineers by email and phone.

Review Question 6

An Azure Reservations offers discounted prices if you?

- ☒ pay in advance.
- ☐ provision a certain number of resources.
- ☐ use spending limits.

Explanation

Pay in advance. Azure Reservations offers discounted prices if you pay in advance. To get a discount, you reserve products and resources by paying in advance. You can prepay for one or three year's use of certain Azure resources.

Review Question 7

Which of the following give all Azure customers a chance to test beta and other pre-release features?

- ☐ General Availability
- ☐ Private Preview
- ☒ Public Preview

Explanation

Public Preview. Public Preview means that an Azure feature is available to all Azure customers for evaluation purposes.

Review Question 8

You have two services with different SLAs. The composite SLA is determined by?

- ☐ Adding the SLAs percentages together
- ☒ Multiplying the SLAs percentages together
- ☐ Taking the lowest SLA percentage

Explanation

Multiply the SLAs together. To determine a composite SLA you multiply the individual SLAs together.

Review Question 9

Releasing a feature to all Azure customers is called?

- ☒ General Availability
- ☐ General Preview
- ☐ Public Preview

Explanation

General Availability (GA). GA is a feature released to all Azure customers.

Review Question 10

Which of the following can be used to estimate cost savings when migrating to Azure?

- ☐ Pricing calculator
- ☒ Total Cost of Ownership calculator
- ☐ Usage meter

Explanation

Total Cost of Ownership (TCO) calculator. The TCO calculator is a tool that you use to estimate cost savings you can realize by migrating to Azure.