

Q1) A company is planning on using their Microsoft Azure Free Account for hosting production-based resources.

Does the Azure Free Account allow you to host production-based resources?

- Correct

Explanation:-The Azure Free Account allows the hosting of up to 10 production resources for free.

For more information, please visit:

<https://azure.microsoft.com/en-us/free/free-account-faq/>

- Incorrect
-

Q2) Your company is planning on using Azure AD for authentication to the resources defined in Azure.

Does Azure AD have built-in capabilities for securing authentication and authorization to resources?

- Correct

Explanation:-Azure Active Directory (Azure AD) is Microsoft's cloud-based identity and access management service, which helps your employees sign in and access resources such as Microsoft Office 365, the Azure portal, and thousands of other SaaS applications with built-in capabilities for securing both authentication and authorization.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis>

- Incorrect
-

Q3) A company is planning on purchasing Microsoft Azure AD Basic for their Azure account.

Does the Azure AD Basic tier come with a SLA of 99.9%?

- Incorrect
- Correct

Explanation:-Microsoft Azure guarantees at least 99.9% availability of the Azure Active Directory Basic and Premium services.

The services are considered available in the following scenarios:

Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords.

IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.

No SLA is provided for the Free tier of Azure Active Directory.

For more information, please visit:

https://azure.microsoft.com/en-us/support/legal/sla/active-directory/v1_0/

Q4) Which of the following is a computing environment that combines a public cloud and a private cloud by allowing data and applications to be shared between them?

- Public Cloud
- Private Cloud
- Hybrid Cloud

Explanation:-A hybrid cloud is a computing environment that combines a public cloud and a private cloud by allowing data and applications to be shared between them. When computing and processing demand fluctuates, hybrid cloud computing gives businesses the ability to seamlessly scale their on-premises infrastructure up to the public cloud to handle any overflow—without giving third-party datacenters access to the entirety of their data. Organizations gain the flexibility and computing power of the public cloud for basic and non-sensitive computing tasks, while keeping business-critical applications and data on-premises, safely behind a company firewall.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-is-hybrid-cloud-computing/>

Private clouds consists of computing resources used exclusively by one business or organization. The private cloud can be physically located at your organization's on-site datacenter, or it can be hosted by a third-party service provider. But in a private cloud, the services and infrastructure are always maintained on a private network and the hardware and software are dedicated solely to your organization. In this way, a private cloud can make it easier for an organization to customize its resources to meet specific IT requirements. Private clouds are often used by government agencies, financial institutions, any other mid- to large-size organizations with business-critical operations seeking enhanced control over their environment.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-are-private-public-hybrid-clouds/>

Public clouds are the most common way of deploying cloud computing. The cloud resources (like servers and storage) are owned and operated by a third-party cloud service provider and delivered over the Internet. Microsoft Azure is an example of a public cloud. With a public cloud, all hardware, software, and other supporting infrastructure is owned and managed by the cloud provider. In a public cloud, you share the same hardware, storage, and network devices with other organizations or cloud “tenants.” You access services and manage your account using a web browser. Public cloud deployments are frequently used to provide web-based email, online office applications, storage, and testing and development environments.

Refer: <https://azure.microsoft.com/en-us/overview/what-are-private-public-hybrid-clouds/>

Q5) A company is planning on using an entire suite of Microsoft products within Microsoft Azure.

Which of the following belongs to the category of Software-as-a-Service (SaaS)?

- Azure Content Delivery Network Service
- Azure App Service
- Microsoft Office 365

Explanation:-Microsoft Office 365, is the correct answer because Software as a service (SaaS) is a software distribution model in which a third-party provider hosts applications and makes them available to customers over the Internet. SaaS is one of three main categories of cloud computing, alongside infrastructure as a service (IaaS) and platform as a service (PaaS). Office 365 is SaaS, which provides an online version of MS Office Suite (Office Web Apps) along with SharePoint Server, Exchange Server and Lync Server. Windows Azure is both IaaS and PaaS, which makes the Windows Server operating system and other features available as services.

For more information, please visit:

<https://docs.microsoft.com/en-us/microsoft-365/>

Azure App Service is incorrect because an Azure App Service enables you to build and host web apps, mobile back ends, and RESTful APIs in the programming language of your choice without managing infrastructure. It offers auto-scaling and high availability, supports both Windows and Linux, and enables automated deployments from GitHub, Azure DevOps, or any Git repo.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/app-service/>

Azure Content Delivery Network (CDN) is incorrect because it lets you reduce load times, save bandwidth, and speed responsiveness—whether you're developing or managing websites or mobile apps, or encoding and distributing streaming media, gaming software, firmware updates, or IoT endpoints.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/cdn/cdn-overview>

Azure Virtual Machine Service is incorrect because an Azure Virtual Machine service is one of several types of on-demand, scalable computing resources that Azure offers. Typically, you choose a VM when you need more control over the computing environment than the other choices offer. An Azure VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware that runs it. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the software that runs on it. This service is ideal for development and testing, running applications in the cloud, or used as an extension to a data-center.

For more information, please visit:

<https://azure.microsoft.com/en-us/services/virtual-machines/>

- Azure Virtual Machine service

Q6) A company is planning on hosting an application on a set of Virtual Machines in Microsoft Azure.

They want to ensure that the application survives a region wide failure within Azure.

Which of the following concept needs to be considered to fulfill this requirement?

- Agility
- Elasticity
- Disaster Recovery

Explanation:-Disaster recovery is the process of restoring application functionality in the wake of a catastrophic loss.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/architecture/framework/resiliency/backup-and-recovery>

Agility is the measure of IT's contribution and ability to adapt to day to day business situations.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/business-outcomes/agility-outcomes>

Elasticity or elastic computing is the ability to quickly expand or decrease computer processing, memory, and storage resources to meet changing demands without worrying about capacity planning and engineering for peak usage. Typically controlled by system monitoring tools, elastic computing matches the amount of resources allocated to the amount of resources actually needed without disrupting operations. With cloud elasticity, a company avoids paying for unused capacity or idle resources and doesn't have to worry about investing in the purchase or maintenance of additional resources and equipment.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-is-elastic-computing/>

Scalability is the ability of a system to handle increased load, and is one of the pillars of software quality. Use this checklist to review your application architecture from a scalability standpoint.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/architecture/checklist/scalability>

Scalability

Q7) A company is planning on implementing the architecture below:

Which of the following best describes the above cloud model?

- Government Cloud
 Hybrid Cloud

Explanation:-Hybrid Cloud is correct because a hybrid cloud is a computing environment that combines a public cloud and a private cloud by allowing data and applications to be shared between them. When computing and processing demand fluctuates, hybrid cloud computing gives businesses the ability to seamlessly scale their on-premises infrastructure up to the public cloud to handle any overflow—without giving third-party data-centers access to the entirety of their data. Organizations gain the flexibility and computing power of the public cloud for basic and non-sensitive computing tasks, while keeping business-critical applications and data on-premises, safely behind a company firewall.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-is-hybrid-cloud-computing/>

Private Cloud is defined as computing services offered either over the Internet or a private internal network and only to select users instead of the general public. Also called an internal or corporate cloud, private cloud computing gives businesses many of the benefits of a public cloud - including self-service, scalability, and elasticity - with the additional control and customization available from dedicated resources over a computing infrastructure hosted on-premises. In addition, private clouds deliver a higher level of security and privacy through both company firewalls and internal hosting to ensure operations and sensitive data are not accessible to third-party providers. One drawback is that the company's IT department is held responsible for the cost and accountability of managing the private cloud. So private clouds require the same staffing, management, and maintenance expenses as traditional data-center ownership.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-is-a-private-cloud/>

Public Cloud are the most common way of deploying cloud computing. The cloud resources (like servers and storage) are owned and operated by a third-party cloud service provider and delivered over the Internet. Microsoft Azure is an example of a public cloud. With a public cloud, all hardware, software, and other supporting infrastructure is owned and managed by the cloud provider. In a public cloud, you share the same hardware, storage, and network devices with other organizations or cloud "tenants." You access services and manage your account using a web browser. Public cloud deployments are frequently used to provide web-based email, online office applications, storage, and testing and development environments.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-are-private-public-hybrid-clouds/>

Government Cloud is a comprehensive cloud platform designed expressly for U.S. Federal, State, and Local Governments to meet the U.S. Government's thorough security and compliance regulations. It has the flexibility to run in government, public, or private clouds with an integrated open platform.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/azure-government/documentation-government-welcome>

- Public Cloud
 Private Cloud

Q8) A company wants to create multiple data stores in Microsoft Azure.

They want to have storage layers that can be used to store data that is infrequently used.

Which of the following storage tiers for Azure BLOB storage would be suitable for this type of requirement?

Choose two options given below.

- Archive storage
- Cool storage

Explanation:-Correct Answers are Cool Storage and Archive Storage. Archive Storage is correct because Azure storage offers different access tiers, which allow you to store blob object data in the most cost-effective manner. The available access tiers include:

Hot - Optimized for storing data that is accessed frequently.

Cool - Optimized for storing data that is infrequently accessed and stored for at least 30 days.

Archive - Optimized for storing data that is rarely accessed and stored for at least 180 days with flexible latency requirements (on the order of hours).

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

- Hot storage
- Premium storage

Q9) An IT Engineer needs to create a Virtual Machine in Microsoft Azure.

Currently the IT Engineer has an Android OS based workstation.

Which of the following can the IT Engineer use to create the desired Virtual Machine in Azure?

- Azure Powershell
- Azure Cloud Shell

Explanation:-Azure Cloud Shell is correct because the Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/cloud-shell/overview>

Azure PowerShell is basically an extension of Windows PowerShell. It lets Windows PowerShell users control Azure's robust functionality. From the command line, Azure PowerShell programmers use preset scripts called cmdlets to perform complex tasks like provisioning virtual machines (VMs) or creating cloud services.

For more information, please visit:

<https://docs.microsoft.com/en-us/powershell/azure/?view=azps-3.1.0>

Azure CLI provides a command line and scripting environment for creating and managing Azure resources. The Azure CLI is available for macOS, Linux, and Windows operating systems.

For more information, please visit:

<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli?view=azure-cli-latest>

Microsoft Power Apps is a suite of apps, services, connectors and data platform that provides a rapid application development environment to build custom apps for your business needs. Using PowerApps, you can quickly build custom business apps that connect to your business data stored either in the underlying data platform (Common Data Service) or in various online and on-premises data sources (SharePoint, Excel, Office 365, Dynamics 365, SQL Server, and so on).

For more information, please visit:

<https://docs.microsoft.com/en-us/powerapps/powerapps-overview>

- Microsoft PowerApps
- Azure CLI

Q10) Whom amongst the following can use the services offered as part of "Azure Germany"?

- Only users located in Germany
- Only Enterprises and users located in Germany
- All customers who intend to do business in Europe

Explanation:-All customers who intend to do business in Europe because:

Microsoft Azure Germany is built on the Microsoft "trusted cloud" principles of security, privacy, compliance, and transparency. It brings data residency, in transit and at rest in Germany, and data replication across German datacenters for business continuity.

Azure connects businesses to a global cloud with local services that help accelerate new investments, technology access, and innovation. Our new Frankfurt and Berlin datacenter regions will join 54 Azure datacenter regions with more than 130 edge node locations and 70,000 miles of fiber and undersea cable systems. Microsoft is committed to building security and compliance into our offerings from the ground up. Azure Germany meets relevant privacy certifications, including ISO/IEC 27018 for protection of personal data in the cloud, the EU/US Privacy Shield, and the European Union's General Data Protection Regulation (GDPR).

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/germany/>

and

<https://azure.microsoft.com/en-us/global-infrastructure/germany/>

- Only Enterprises in Germany
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Q11) A company is planning on setting up an Azure Free Account.

Does the Basic Support plan come along with the Azure Free Account?

- Correct

Explanation:-The Azure Basic support plan is available to all Microsoft Azure accounts.

For more information, please visit:

<https://azure.microsoft.com/en-us/support/plans/>

- Incorrect
-

Q12) Which of the following is true when it comes to SaaS (Software as a service)?

- You are responsible for high availability of the solution
- You are responsible for configuring the solution

Explanation:-You are responsible for configuring the solution because SaaS provides a complete software solution that you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization, and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software, and app data are located in the service provider's data center. The service provider manages the hardware and software, and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well. SaaS allows your organization to get quickly up and running with an app at minimal upfront cost.

For more information, please visit:

<https://azure.microsoft.com/en-us/overview/what-is-saas/>

- You are responsible for deploying the solution
 - You are responsible for scalability of the solution
-

Q13) A company is planning on setting up an Enterprise Microsoft Azure Subscription.

Do they need to have a valid Microsoft account for associating the Azure Subscription?

- Correct

Explanation:-Enterprise Azure account is a global unique entity that gets you access to Azure services and your Azure subscriptions. You can create multiple subscriptions in your Azure account to create separation e.g. for billing or management purposes. In your subscription(s) you can manage resources in resources groups. Azure subscription can have a trust relationship with an Azure Active Directory (Azure AD) instance. But a valid Microsoft account is required to associate with the Azure Subscription.

For more information, please reference:

<https://docs.microsoft.com/en-us/azure/billing/billing-ea-portal-get-started>

- Incorrect
-

Q14) An IT administrator for a company has been given a powershell script.

This powershell script will be used to create several Virtual Machines in Azure.

You have to provide a machine to the IT administrator for running the powershell script.

You decide to provide a Linux machine which has the Azure CLI tools installed.

Would this solution fit the requirement?

- Incorrect

Explanation:-Azure PowerShell is basically an extension of Windows PowerShell. It lets Windows PowerShell users control Azure's robust functionality. From the command line, Azure PowerShell programmers use preset scripts called cmdlets to perform complex tasks like provisioning virtual machines (VMs) or creating cloud services.

For more information, please visit:

<https://docs.microsoft.com/en-us/powershell/azure/get-started-azureps?view=azps-3.1.0>

- Correct
-

Q15) An organization has recently launched an app and is trying to move its app development framework and future app development projects to Azure. Which of the following Azure solutions would best fit this requirement?

- Azure Application Insights
- Azure Container Registry
- Azure HDInsights
- Azure DevOps

Explanation:-Azure DevOps provides developer services to support teams to plan work, collaborate on code development, and build and deploy applications. Developers can work in the cloud using Azure DevOps Services or on-premises using Azure DevOps Server (which was formerly named Visual Studio Team Foundation Server [TFS]).

Azure DevOps provides integrated features that you can access through your web browser or IDE client. You can use one or more of the following services, based on your business needs:

- Azure Repos provides Git repositories or Team Foundation Version Control (TFVC) for source control of your code.
- Azure Pipelines provides build and release services to support continuous integration and delivery of your apps.
- Azure Boards delivers a suite of Agile tools to support planning and tracking work, code defects, and issues using Kanban and Scrum methods.
- Azure Test Plans provides several tools to test your apps, including manual/exploratory testing and continuous testing tools.
- Azure Artifacts allows teams to share Maven, npm, and NuGet packages from public and private sources and integrate package sharing into CI/CD pipelines.

Q16) Which of the following is a limitless analytics service that brings together enterprise data warehousing and big data analytics?

- Azure Postgres DB
- Azure Synapse

Explanation:-Azure Synapse is a limitless analytics service that brings together enterprise data warehousing and big data analytics. It gives you the freedom to query data on your terms, using either serverless or provisioned resources—at scale. Azure Synapse brings these two worlds together with a unified experience to ingest, prepare, manage, and serve data for immediate BI and machine learning needs.

- Azure Data Store
- Azure VMs

Q17)

A company wants to create multiple data stores in Azure. They want to have storage layers that can be used to store data that is infrequently used. Which of the following storage tiers for Azure BLOB storage would be suitable for this type of requirement?

Choose 2 answers from the options given below.

- Archive storage

Explanation:-This is given in the Microsoft documentation. For more information on blob storage tiers, please visit the below URL
<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

- Premium storage
- Hot storage
- Cool storage

Explanation:-This is given in the Microsoft documentation. For more information on blob storage tiers, please visit the below URL
<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

Q18)

An IT Engineer needs to create a Virtual Machine in Azure. Currently the IT Engineer has an Android OS based workstation.

Which of the following can the IT Engineer use to create the desired Virtual Machine in Azure?

- Azure CLI

Explanation:-This option is incorrect since currently there is no clear stated definition on the support for Azure CLI or powershell support on Android OS.

- Azure Powershell

Explanation:-This option is incorrect since currently there is no clear stated definition on the support for Azure CLI or powershell support on Android OS.

- Microsoft PowerApps

Explanation:-This option is incorrect since PowerApps would not be used to create Virtual Machines

- Azure Cloud Shell

Explanation:-On an Android OS, one can go to the Portal and launch Azure CLI . For more information on Azure Cloud Shell, please visit the below URL <https://azure.microsoft.com/en-us/features/cloud-shell/>

Q19)

A company needs to store 2TB of data that will be infrequently used. The data needs to be accessed via PowerBI.

Which of the following would you consider as a cost-effective data storage layer for this requirement?

Choose 2 answers from the options given below

- Azure PostgreSQL
- Azure CosmosDB
- Azure Data Lake

Explanation:-If you need to store large amounts of data that is not accessed frequently then look at having a data warehouse or using a data lake. Using a transactional database such as SQL, PostgreSQL and CosmosDB is good for data that is accessed frequently.

You can also visualize your data in SQL Data warehouse and Azure Data Lake using PowerBI.

- Azure SQL Databases

- Azure SQL Datawarehouse

Explanation:-If you need to store large amounts of data that is not accessed frequently then look at having a data warehouse or using a data lake.

Q20)

An IT Engineer needs to use Azure Cloud Shell.

Which of the following icons would you use for this purpose?

- Option 3
- Option 2
- Option 1

Explanation:-You would use the shown symbol below to access Azure Cloud Shell. For more information on Azure Cloud shell, please visit the below URL <https://azure.microsoft.com/en-us/features/cloud-shell/>

- Option 4
-

Q21)

A company needs to create around 50 customized Virtual Machines. Out of these 20 are Windows based Virtual machines and 30 are Ubuntu Machines.

Which of the following would help reduce the administrative effort required to deploy the machines?

- Azure Traffic Manager

Explanation:-This option is incorrect since this is used for DNS based traffic routing

- Azure Resource Manager

Explanation:-Azure Resource Manager (ARM) is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources in your Azure account. You use management features, like access control, locks, and tags, to secure and organize your resources after deployment. Reference: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview>

- Azure Web Apps

Explanation:-This option is incorrect since is used to host web applications

- Azure Load Balancer

Explanation:-This option is incorrect since this is used to divert traffic to back end virtual machines at the network layer

Q22)

An IT administrator for a company has been given a powershell script. This powershell script will be used to create several Virtual Machines in Azure. You have to provide a machine to the IT administrator for running the powershell script.

You decide to provide a Linux machine which has the Azure CLI tools installed.

Would this solution fit the requirement?

- No

Explanation:-The Azure CLI is used to run CLI based commands and not powershell commands. For more information on Azure CLI, please visit the below URL <https://docs.microsoft.com/en-us/cli/azure/install-azure-cli?view=azure-cli-latest>

- Yes
-

Q23)

An IT administrator for a company has been given a powershell script. This powershell script will be used to create several Virtual Machines in Azure. You have to provide a machine to the IT administrator for running the powershell script.

You decide to provide a ChromeOS based machine and use Azure Cloud Shell.

Would this solution fit the requirement?

- No

Explanation:-

Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell, accessible via Chrome.

For more information, please visit: <https://docs.microsoft.com/en-us/azure/cloud-shell/overview>

- Yes

Explanation:-

From the Azure Portal, if you use Azure Cloud Shell, you can run both Bash and powershell based scripts.

Also Chrome OS is a Linux kernel-based operating system designed by Google. It is derived from the free software Chromium OS and uses the Google Chrome web browser and Aura Shell as its principal user interface. Since Chrome OS uses Google Chrome Browser as an interface the answer is YES

Q24)

An IT administrator for a company has been given a powershell script. This powershell script will be used to create several Virtual Machines in Azure. You have to provide a machine to the IT administrator for running the powershell script.

You decide to provide a computer that has MacOS and Powershell Core 6.0 installed.

Would this solution fit the requirement?

- No
- Yes

Explanation:-Yes, you can install Powershell on MacOS and then run the powershell scripts. For more information on Azure CloudShell, please visit the below URL <https://azure.microsoft.com/en-us/features/cloud-shell/>

Q25)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- An Integration solution for the deployment of code

Which of the following would be best suited for this requirement?

- Azure Application Insights
- Azure Devops

Explanation:-Azure Devops consists of a large set of tools. Amongst these you have Azure Pipelines which can be used to build, test and deploy code. Since this is a clear feature on the tool, all other options are incorrect For more information on Azure Devops, please visit the below URL <https://azure.microsoft.com/en-us/services/devops/>

- Azure Cognitive Services
- Azure Advisor

Q26)

A company is planning on setting up an Azure Free Account.

Does the Basic Support plan come along with the Azure Free Account?

- Yes

Explanation:-This is mentioned in the Microsoft documentation. Source - <https://azure.microsoft.com/en-in/support/plans/>

- No

Q27)

A company is planning on using their Azure Free Account for hosting production-based resources.

Does the Azure Free Account allow you to host production-based resources?

- No
- Yes

Explanation:-Yes, you can, although you need to understand that you will need to pay for any extra charges that don't come under the Free Account conditions. For more information on the Azure Free Account, please visit the below URL <https://azure.microsoft.com/en-us/free/free-account-faq/>

Q28)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- Gives the ability to host a big data analysis service for machine learning

Which of the following would be best suited for this requirement?

- Azure Application Insights
- Azure App Service
- Azure Logic Apps
- Azure Databricks

Explanation:-This mentioned clearly in the Microsoft documentation. Since this is a clear feature on the tool, all other options are incorrect For more information on Azure Databricks, please visit the below URL <https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks>

Q29)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- Give the ability to detect and diagnose anomalies in web apps

Which of the following would be best suited for this requirement?

- Azure Application Insights

Explanation:-This is mentioned clearly in the Microsoft Documentation. Since this is a clear feature on the tool, all other options are incorrect For more information on Azure Application Insights, please visit the below URL <https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

- Azure App Service
- Azure Logic Apps
- Azure Databricks

Q30)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- Allows the hosting of web-based applications

Which of the following would be best suited for this requirement?

- Azure Application Insights
- Azure App Service

Explanation:-This is mentioned clearly in the Microsoft documentation. Since this is a clear feature on the tool, all other options are incorrect For more information on Azure App Service, please visit the below URL <https://docs.microsoft.com/en-us/azure/app-service/>

- Azure Logic Apps
- Azure Databricks

Q31)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- Provide an isolated environment for hosting of Virtual Machines

Which of the following would be best suited for this requirement?

- Azure Virtual Network

Explanation:-This is clearly mentioned in the Microsoft documentation. Since this is a clear feature on the tool, all other options are incorrect For more information on Azure Virtual Network, please visit the below URL <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-overview>

- Azure Virtual Machine Scale Sets
- Azure Data Lake Analytics
- Azure App Service

Q32)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- Provide a cloud service that helps to transform data and provide valuable insights on the data itself

Which of the following would be best suited for this requirement?

- Azure Virtual Network
- Azure Virtual Machine Scale Sets
- Azure Data Lake Analytics

Explanation:-Since this is a clear feature on the tool, all other options are incorrect For more information on Azure Data Lake Analytics, please visit the below URL <https://docs.microsoft.com/en-us/azure/data-lake-analytics/data-lake-analytics-overview>

- Azure App Service

Q33) A company has setup a Virtual Machine as part of their purchase subscription. They now want to move the Virtual Machine to another subscription. Is this possible?

- No
- Yes

Explanation:-Yes, you can move Azure resources between subscriptions. Below is an example of moving a Virtual Machine across subscriptions. For more information on moving Azure resources, please visit the below URL <https://docs.microsoft.com/en-us/azure/resource-manager/resource-group-move-resources>

Q34)

A company has a Virtual Machine created in their subscription. An application is installed on the Virtual Machine. You need to ensure that traffic can flow into the Virtual Machine on port 8080.

Which of the following must you modify to make this work?

- Route Filters
- Route Tables
- Network Security Group

Explanation:-You have to modify the Network Security Group. You have to add an Inbound Security Rule. So first add the Inbound Security rule Add the destination port range as 8080 Ensure the Action is Allow Since the right implementation is via Network Security Groups, all other options are incorrect For more information on network security groups, please visit the below URL <https://docs.microsoft.com/en-us/azure/virtual-network/security-overview>

- Network Interface Card

Q35)

A company wants to migrate some scripts to Azure. They want to make use of the serverless features available in Azure. They decide to use the Azure Functions service.

Would this service meet the requirement?

- No



Explanation:-This is the right product to use. Below is what the Microsoft documentation states about this service. For more information on Azure Functions, please visit the below URL <https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview>

Q36)

A company wants to migrate some scripts to Azure. They want to make use of the serverless features available in Azure. They decide to use the Azure Content Delivery Network service.

Would this service meet the requirement?



No

Explanation:-This service is used for delivering web content to end users. Below is what the Microsoft documentation states about this service. For more information on Azure Content Delivery Network service, please visit the below URL <https://docs.microsoft.com/en-us/azure/cdn/cdn-overview>



Yes

Q37)

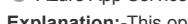
A company is planning on using an entire suite of Microsoft products.

Which of the following belongs to the category of Software as a service (SaaS)?



Azure Content Delivery Network Service

Explanation:-This option incorrect since this belongs to the category of Platform as a service (PaaS)



Azure App Service

Explanation:-This option is incorrect since this belongs to the category of Platform as a service (PaaS)



Microsoft Office 365

Explanation:-The Microsoft documentation mentions below the definition of Software as a service (SaaS). For more information on Software as a service, please visit the below URL <https://azure.microsoft.com/en-us/overview/what-is-saas/>



Azure Virtual Machine service

Explanation:-This option is incorrect since this belongs to the category of Infrastructure as a service (IaaS)

Q38)

A company wants to host a set of tables in Azure. They want absolutely zero administration of the underlying infrastructure and low latency access to data. You recommend using the SQL Database service

Would this suit the requirement?



No



Yes

Explanation:-

SQL Database enables you to easily define and scale performance within two different purchasing models: a vCore-based purchasing model and a DTU-based purchasing model. SQL Database is a fully managed service that has built-in high availability, backups, and other common maintenance operations. Microsoft handles all patching and updating of the SQL and operating system code. You don't have to manage the underlying infrastructure.

SQL Data Warehouse is supported by a broad ecosystem of partners, including data preparation, ingestion service and visualisation tool providers. Enjoy guaranteed 99.9 percent availability in 40 Azure regions worldwide.

Service capabilities:

- * Massive query concurrency - Democratise data across your enterprise.
- * Integrated data processing - Ingest and query from multiple data types and sources within a single solution.
- * Quick and easy provisioning - Provision thousands of compute cores in less than five minutes and scale to a petabyte in hours.
- * Elastic design - Independently scale for performance or memory with separate compute and storage.
- * Advanced security - Help protect your data with virtual network service endpoints, advanced threat detection, always-on encryption, auditing and simplified secure access.
- * Fully managed infrastructure - Automate infrastructure allocation and workload optimisation to focus on data analysis and use the built-in advisor to optimise your cloud data warehouse.
- * Strong Ecosystem - Integrate with leading data preparation and visualisation vendors and get support from our partners to accelerate time to value.
- * Powerful SQL engine - Take advantage of Microsoft SQL Server, the industry's top-performing SQL engine, offering comprehensive support for SQL language.
- * Industry-leading compliance - Help ensure peace of mind with more than 50 government and industry compliance certifications, including HIPAA.
- * Global availability - Benefit from availability in 40 Azure regions, the most among all cloud-based data warehouse providers.

Refer: <https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview>

Q39)

Your company is planning on using the Azure App Service (PaaS) to host their set of web applications. As part of the App Service plan. Does Microsoft automatically provide professional services and customizations to applications hosted in Azure Web Apps?

- Yes
- No

Explanation:-Microsoft offers comprehensive, organization-wide support plan that includes Azure, Microsoft 365, and Dynamics 365, explore enterprise support. For any sort of professional services, you have to separately buy the appropriate support plan. It does not come as part of the App service plan. For more information on the support plans, please visit the below URL <https://azure.microsoft.com/en-us/support/plans/>

Q40)

A company is planning on purchasing Azure AD Basic for their Azure account.

Does the Azure AD Basic tier come with an SLA of 99.9%?

- No
- Yes

Explanation:-Yes, this is also mentioned in the Microsoft documentation. For more information on Azure AD SLA, please visit the below URL https://azure.microsoft.com/en-us/support/legal/sla/active-directory/v1_0/

Q41)

A company is planning on upgrading their current Azure Free plan to the Basic plan.

Does the Free and Basic Azure AD plan come with the same standard support from Microsoft?

- No

Explanation:-The support plans are purchased and managed separately. This is also given in the Microsoft documentation. For more information on Azure AD pricing, please visit the below URL <https://azure.microsoft.com/en-us/pricing/details/active-directory/>

- Yes

Q42)

A company wants to try out some services which are being offered by Azure in Public Preview.

Do the services in Public Preview in Azure come with an SLA?

- No

Explanation:-This is mentioned in the Microsoft documentation. For more information on Azure services preview terms, please visit the below URL <https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/>

- Yes

Q43)

A company wants to try out some services which are being offered by Azure in Public Preview.

Microsoft provide a separate Azure portal for trying out the services in Public Preview

Does the above statement holds true?

- No

Explanation:-Services which are in Public Preview are available to users in the normal Azure portal itself. For more information on Azure services in preview, please visit the below URL <https://azure.microsoft.com/en-us/services/preview/>

- Yes

Q44)

A company is planning on hosting 2 Virtual Machines in Azure as shown below:

When the virtual machine demovm is stopped, you will still incur costs for the storage attached to the Virtual Machine?

- No
- Yes

Explanation:-

Azure continues to charge for the VM core hours while it is Stopped (but not Stopped (Deallocated), based on the size of the VM and the image you selected to create it. You continue to accrue charges for the VM's cloud service and the storage needed for the VM's OS disk and any attached data disks. Temporary (scratch) disk storage on the VM is free.

The Disks attached to a Virtual Machine have different costs associated with them. For more information on the pricing calculator, please visit the below URL <https://azure.microsoft.com/en-us/pricing/calculator/>

Q45)

A company is planning on setting up an Enterprise Azure Subscription.

Do they need to have a valid Microsoft account for associating the Azure Subscription?

- No
- Yes

Explanation:-For setting this up, you need to have a valid Microsoft account. For more information on setting up an Enterprise Azure subscription, please visit the below URL <https://docs.azure.cn/en-us/articles/azure-global-purchasing-guidance/go-global-playbook-purchase-process-of-enterprise-azure>

Q46)

A company is planning on hosting an application on a set of Virtual Machines. The Virtual Machines are going to be running for a pro-longed duration of time.

Which of the following should be considered to reduce the overall cost of Virtual Machine usage?

- Azure Resource Groups

Explanation:-This option is incorrect since this is used for grouping your Azure resources

- Azure Reservations

Explanation:-This is mentioned in Microsoft Documentation. For more information on Azure Cost Reservations, please visit the below URL <https://docs.microsoft.com/en-us/azure/billing/billing-save-compute-costs-reservations>

Question 49: Skipped

- Virtual Machine Scale sets

Explanation:-This option is incorrect since this is used for scalability of your virtual machines

- Premium Disks

Explanation:-This option is incorrect since using Premium Disks is an expensive option

Q47)

A company has launched a set of Virtual Machines in their Pay-as-you-go Azure subscription. After launching a set of VM's they seem to be hitting a constraint of 20 vCPU's and are not able to provision additional Virtual Machines.

Which of the following can be done to allow the company to provision more Virtual Machines?

- Increase the limit using the Azure CLI
- Increase the limit in the Azure portal
- Raise a support ticket with Microsoft

Explanation:-Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect For more information on Azure subscription service limits, please visit the below URL <https://docs.microsoft.com/en-us/azure/azure-subscription-service-limits>

- Increase the limit in Azure Advisor

Q48)

A company is planning on setting up an Azure Free Account.

Does the Standard Support plan come along with the Azure Free Account?

- No

Explanation:-Only the Basic Support Plan comes along with the Azure Free Account This is also given in the Microsoft documentation For more information on the comparison of Support plans, please visit the below URL <https://azure.microsoft.com/en-us/support/plans/>

- Yes

Q49)

A customer is planning on creating several Azure Free Accounts.

Can a customer have an allowance of a maximum of 10 Azure Free Accounts?

- No

Explanation:-A customer can only have one Azure Free Account. This is also given in the Microsoft documentation For more information on the Azure Free Account, please visit the below URL <https://azure.microsoft.com/en-us/free/free-account-faq/>

- Yes

Q50)

A company is planning on purchasing Azure AD Premium for their Azure account.

Does the Azure AD Premium tier come with an SLA of 99.9%?

- No

- Yes

Explanation:-Yes, this is also mentioned in the Microsoft documentation For more information on Azure AD SLA, please visit the below URL https://azure.microsoft.com/en-us/support/legal/sla/active-directory/v1_0/

Q51)

A company is planning on hosting an application on a set of Virtual Machines in Azure.

They want to ensure that the application survives a region wide failure in Azure.

Which of the following concept needs to be considered to fulfill this requirement?

- Elasticity

Explanation:-This option is incorrect since this is used to make an application more flexible in its architecture based on user demand

- Agility

Explanation:-This option is incorrect since this is used from a customer perspective to make applications more agile

- Disaster Recovery

Explanation:-The Microsoft documentation mentions this. For more information on disaster recovery in Azure, please visit the below URL <https://docs.microsoft.com/en-us/azure/architecture/resiliency/disaster-recovery-azure-applications>

- Scalability

Explanation:-This option is incorrect since this is used to scale our infrastructure

Q52)

TPT Limited plans to implement the below architecture:

What best describes the above cloud model?

- Government Cloud

Explanation:-This option is incorrect since there is no specification of a pure government cloud setup

- Hybrid Cloud

Explanation:-This is an example of having infrastructure hosted in both the Azure public cloud and in your on-premise network. For more information on some use cases for hybrid cloud scenarios is shown below, please visit the below URL <https://docs.microsoft.com/en-us/office365/enterprise/hybrid-cloud-scenarios-for-azure-iaas>

- Public Cloud

Explanation:-This option is incorrect since there is an on-premise server on the left-hand side

- Private Cloud

Explanation:-This option is incorrect since there is an IaaS model specified on the right-hand side

Q53)

A company wants to ensure that users in their company are authenticated when they access resources defined in their Azure account.

Which of the following is the correct definition of authentication?

- This specifies what you can do in Azure

Explanation:-This is incorrect because it is a use case of Authorization

- This is the act of providing legitimate credentials

Explanation:-The definition of Authentication and Authorization is given in the Microsoft documentation. For more information on authentication, please visit the below URL <https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios>

- This specifies the type of data you can use in Azure

Explanation:-This is incorrect because it is a use case of Authorization

- This specifies the type of service you can use in Azure

Explanation:-This is incorrect because it is a use case of Authorization

Q54)

A company is planning on creating several Virtual Machines in Azure. They would be using the Azure Virtual Machine service.

Which of the following is the right category to which the Azure Virtual Machine service belongs to?

- Function as a service (FaaS)

- Software as a service (SaaS)

- Platform as a service (PaaS)

- Infrastructure as a service (IaaS)

Explanation:-The Microsoft documentation gives an example of the difference between IaaS, PaaS and SaaS. IaaS constitutes the Infrastructure which constitutes your Azure Virtual Machines. Since this is clearly shown, all other options are incorrect For more information on what is IaaS, please visit the below URL <https://azure.microsoft.com/en-us/overview/what-is-iaas/>

Q55)

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- A tool that provides guidance and recommendations to improve an Azure environment,

Which of the following would be best suited for this requirement?

- Azure Application Insights

- Azure Cognitive Services

- Azure Advisor

Explanation:-This is clearly mentioned in the Microsoft documentation. Since this is a clear feature on the tool, all other options are incorrect For more information on Azure Advisor, please visit the below URL <https://docs.microsoft.com/en-us/azure/advisor/advisor-overview>

- Azure Devops
-

Q56)

A company wants to setup users in their Azure Account. They have segregated their users into groups. They now want to ensure they set the right permissions for users and administrators accordingly. They need to manage the permissions effectively.

You recommend using Azure Role Based Access.

Does this recommendation meet the requirement?

- No

- Yes

Explanation:-This is the right way to manage permissions. The Microsoft documentation mentions the following on Role Based Access control. For more information on Role based access control, please visit the below URL <https://docs.microsoft.com/en-us/azure/role-based-access-control/overview>

Q57)

A company wants to setup users in their Azure Account. They have segregated their users into groups. They now want to ensure they set the right permissions for users and administrators accordingly. They need to manage the permissions effectively.

You recommend using Azure Management Groups.

Does this recommendation meet the requirement?

No

Explanation:-Azure management groups are used for organizing resources in Azure. The Microsoft documentation mentions the following on Azure management groups. For more information on Azure Management Groups, please visit the below URL <https://docs.microsoft.com/en-us/azure/governance/management-groups/>

Yes

Q58) Your company is planning on hosting resources in Azure. Is it possible for outside users to have access to resources in Azure, or do the users have to be specifically defined in Azure AD only?

- None of these
- Both of these

No, users from the outside can also get access to Azure resources

Explanation:-Azure has other capabilities in place that can allow other users to access Azure-based resources. For example, Azure has the feature of Azure AD Business to Business collaboration where the users don't have to be defined in Azure. The Microsoft documentation mentions the following on Azure B2B For more information on Azure B2B, please visit the below URL <https://docs.microsoft.com/en-us/azure/active-directory/b2b/what-is-b2b>

Yes, only Azure AD defined user can access Azure resources

Q59)

A company wants to make use of Azure for deployment of various solutions. They want to ensure that suspicious attacks and threats to resources in their Azure account are prevented.

Which of the following helps prevent such attacks by using in-built sensors in Azure?

Azure Advanced Threat Protection

Explanation:-The Microsoft documentation states the below feature on the Azure Advanced Thread protection service. For more information on Azure Advanced Threat protection, please visit the below URL <https://docs.microsoft.com/en-us/azure/advanced-threat-protection/what-is-atp>

Azure privileged identity management

Explanation:-This option is incorrect as these are used to protecting identities in Azure AD

Azure DDoS attacks

Explanation:-This option is incorrect since this is solely a solution to protect against DDoS attacks

Azure AD Identity Protection

Explanation:-This options is incorrect as these are used to protecting identities in Azure AD

Q60)

A company wants to host a set of tables in Azure. They want absolutely zero administration of the underlying infrastructure and low latency access to data. You recommend using the Azure App service.

Would this suit the requirement?

No

Explanation:-This is a fully managed service for hosting web applications. For more information on Azure Web Apps, please visit the below URL <https://docs.microsoft.com/en-us/azure/app-service/overview>

Yes

Q61)

A company wants to implement an IoT solution using the service available in Azure.

Which of the following would meet the below requirement?

"Monitor and control billions of Internet of Things assets"

- Azure Time Series Insights
- IoT Edge
- IoT Central
- IoT Hub

Explanation:-This is mentioned in the Microsoft Documentation. Since this is clearly mentioned in the documentation, all other options are incorrect For more information on Azure IoT Hub, please visit the below URL <https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub>

Q62)

A company wants to implement an IoT solution using the service available in Azure.

Which of the following would meet the below requirement?

"Provide a Fully managed SaaS (software-as-a-service) solution that makes it easy to connect, monitor and manage your IoT assets at scale"

- Azure Time Series Insights
- IoT Edge
- IoT Central

Explanation:-This is mentioned in the Microsoft Documentation. Since this is clearly mentioned in the documentation, all other options are incorrect
For more information on Azure IoT Hub, please visit the below URL <https://docs.microsoft.com/en-us/azure/iot-central/overview-iot-central>

- IoT Hub

Q63)

A company wants to implement an IoT solution using the service available in Azure.

Which of the following would meet the below requirement?

"Helps provide a powerful data exploration and telemetry tools to help you refine operational analysis"

- Azure Time Series Insights

Explanation:-Time Series Insights has four key jobs: 1. It's fully integrated with cloud gateways like Azure IoT Hub and Azure Event Hubs. It easily connects to these event sources and parses JSON from messages and structures that have data in clean rows and columns. It joins metadata with telemetry and indexes your data in a columnar store. 2. Time Series Insights manages the storage of your data. To make sure that data is always easily accessible, it stores your data in memory and SSDs for up to 400 days. You can interactively query billions of events in seconds—on demand. 3. Time Series Insights provides out-of-the-box visualization through the Time Series Insights explorer. 4. Time Series Insights provides a query service, both in the Time Series Insights explorer and by using APIs that are easy to integrate to embed your time series data into custom applications.

- IoT Edge
- IoT Central
- IoT Hub

Q64)

A company is planning on deploying Azure resources to a resource group. The company is planning on assigning tags to the resource groups.

Would the resources in the resource group also inherit the same tags?

- No

Explanation:-For more information on Azure Resource Group Tags, please visit the below URL <https://docs.microsoft.com/en-us/azure/resource-manager/resource-group-using-tags>

- Yes

Q65)

A company is planning on deploying Azure resources to a resource group. The company is planning on assigning permissions to the resource groups.

Would the resources in the resource group also inherit the same permissions?

- No
- Yes

Explanation:-For more information on role-based access control, please visit the below URL <https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-portal>

Q66)

A company has a requirement to deploy 10 different types of Azure resources for several departments. All of the resources types and configurations are the same.

Which of the following could be used to automate the deployment of the resources?

- Azure Resource Manager templates

Explanation:-To implement infrastructure as code for your Azure solutions, use Azure Resource Manager (ARM) templates. The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources. Source - <https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview> Azure virtual machine scale sets let you create and manage a group of load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Source - <https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview> Azure API Management is a fully managed service that enables customers to publish, secure, transform, maintain, and monitor APIs. With a few clicks in the Azure portal, you can create an API façade that acts as a “front door” through which external and internal applications can access data or business logic implemented by your custom-built backend services Source - <https://azure.microsoft.com/en-in/blog/announcing-azure-api-management-for-serverless-architectures/> Azure management groups help you organize your resources and subscriptions. Source - <https://docs.microsoft.com/en-us/azure/governance/management-groups/>

- Virtual machine scale sets

Explanation:-This option is incorrect since this is good only if you need to automate the deployment of Virtual Machines

- Azure API Management service

Explanation:-This option is incorrect since this is used for making API calls to Azure

- Management groups

Explanation:-This option is incorrect since this is used to group your resources within subscriptions

Q67)

A company wants to host a mission critical application on a set of Virtual Machines in Azure. They want to ensure they can setup the infrastructure in Azure to guarantee the maximum possible uptime for the application.

Which of the following can you make use of in Azure to fulfill this requirement? Choose 2 answers from the options given below

- Resource Tags

Explanation:-This option is incorrect since this is used to improve categorization and billing of resources in Azure

- Availability Sets

Explanation:-The Microsoft documentation mentions this- For more information on resiliency in Azure, please visit the below URL
<https://azure.microsoft.com/en-us/features/resiliency/>

- Availability Zones

Explanation:-The Microsoft documentation mentions this- For more information on resiliency in Azure, please visit the below URL
<https://azure.microsoft.com/en-us/features/resiliency/>

- Resource Groups

Explanation:-This option is incorrect since this is used to categorize resources

Q68) Which Azure service should you use to correlate events from multiple resources into a centralized repository?

- Azure Log Analytics

Explanation:-Log Analytics is a web tool used to write and execute Azure Monitor log queries. Open it by selecting Logs in the Azure Monitor menu. It starts with a new blank query. Reference: <https://azure.microsoft.com/en-us/services/monitor/>

- Azure Monitor
- Azure Analysis Services
- Azure Event Hubs

Q69)

You have an Azure environment. You need to create a new Azure virtual machine from an Android laptop.

Solution: You use PowerShell in Azure Cloud Shell.

Does this meet the goal?

- Correct

Explanation:-The answer is Yes, Azure Cloud Shell can be used for Bash or PowerShell, either Android Phone or Laptop, finally as Microsoft says: Azure Cloud Shell can be virtually executed everywhere. PowerShell is a task-based command-line shell and scripting language built on .NET. PowerShell helps system administrators and power-users rapidly automate tasks that manage operating systems (Linux, macOS, and Windows) and processes. PowerShell commands let you manage computers from the command line. PowerShell providers let you access data stores, such as the registry and certificate store, as easily as you access the file system. PowerShell includes a rich expression parser and a fully developed scripting language. Reference: <https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart-powershell>

- Incorrect

Q70)

A company wants to try out some services which are being offered by Azure in Public Preview.

Should the company deploy resources which are part of Public Preview in their production environment?

- No

Explanation:-As mentioned below in the Microsoft documentation, there is no SLA or guarantee for any service in Public Preview. So, you should not look at deploying such services in production. For more information on Azure services preview terms, please visit the below URL
<https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/>

- Yes

Q71)

A company is planning on hosting 2 Virtual Machines in Azure as shown below:

Virtual Machine Name	Virtual Machine Size
demovm	B1S
demovm 1	B1S

Would both Virtual Machines always generate the same monthly costs?

- No

Explanation:-The costing for Virtual Machine depends on aspects such as Is the machine running all the time for the whole month And If you are using a Managed Disk, you would incur costs for the disk Below is a screenshot from the pricing calculator for a Virtual Machine. You can see that there is a dependency on the OS Disk. For more information on the pricing calculator, please visit the below URL <https://azure.microsoft.com/en-us/pricing/calculator/>

- Yes

Q72)

Your company has an on-premises network that contains multiple servers.

The company plans to reduce the following administrative responsibilities of network administrators:

- Backing up application data
- Replacing failed server hardware
- Managing physical server security
- Updating server operating systems
- Managing permissions to shared documents

The company plans to migrate several servers to Azure virtual machines.

You need to identify which administrative responsibilities will be reduced after the planned migration.

Which two responsibilities should you identify?

- Updating server operating systems
- Managing physical server security

Explanation:-In case you are using a public cloud, that means you don't own physical servers at all. So, if there is an hardware failure on servers you don't have to replace failed hardware, same happens with security. While you deal with a PRIVATE cloud you have to manage hardware and server security, same with Hybrid Cloud

- Backing up application data
- Replacing failed server hardware
- Managing permissions to shared documents

Q73) You should only use General Availability services in production applications.

- Incorrect
- Correct

Q74) Which of the following is an interactive, authenticated, browser-accessible shell for managing Azure resources?

- Azure CLI
- Azure Cloud Shell

Explanation:-Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell, and is accessible via Chrome.

- Azure Windows-based PowerShell
- None of these

Q75) Your organization runs some infrastructure in local data centers and some infrastructure in an Azure Virtual Network. Which of the following Azure services enables you to use a hybrid cloud deployment model?

- Service endpoint
- VPN gateway

Explanation:-You can extend an on-premises network to Azure by using a site-to-site virtual private network (VPN). Traffic flows between the on-premises network and an Azure virtual network (VNet) through an IPsec VPN tunnel. The following diagram illustrates the reference architecture.

- Virtual CDN endpoint
- Private endpoint

Q76) Your organization's development team plans to adopt an Agile approach to software development in Azure. You need to recommend a solution that supports this goal. What should you recommend?

- Azure Application Insights
- Azure DevOps

Explanation:-Azure DevOps provides developer services to support teams in planning work, collaborating on code development, and building and deploying applications. Developers can work in the cloud using Azure DevOps Services or on-premises using Azure DevOps Server. Azure DevOps Server was formerly named Visual Studio Team Foundation Server (TFS).

- Microsoft Teams
- Azure Synapse Analytics

Q77) Correct or Incorrect: You are developing a web application that will run in Azure App Service. You need to configure the application to authenticate users from your Azure Active Directory (Azure AD) tenant. You should register the application with Azure AD.

- Correct

Explanation:-You can manage application objects in the Azure portal through the App Registrations experience. Application objects describe the application to Azure AD and can be considered the definition of the application, allowing the service to know how to issue tokens to the application based on its settings. Apps are integrated with the Microsoft identity platform by registering it with an Azure Active Directory tenant.

- Incorrect

Q78) An organization's lead database administrator (DBA) is trying to create a NoSQL database in the organization's Azure subscription. Which of the following fits this requirement?

- Azure managed SQL instances
- Azure Cosmos DB

Explanation:-NoSQL databases are also referred to as "non-relational databases," "NoSQL databases," and "non-SQL databases" to highlight the fact that they can handle huge volumes of rapidly changing, unstructured data in different ways than a relational (SQL) database with rows and tables.

Azure Cosmos DB is Microsoft's globally distributed, multi-model database service for operational and analytics workloads. It offers a multi-mastering feature by automatically scaling throughput, compute, and storage.

- None of these
 - Microsoft SQL server hosted on a Windows 2016 Server VM
-

Q79) What does the following screen show?

- Azure Artifacts
- Azure App Services
- Azure DevTest Labs
- Azure Marketplace

Explanation:-The Microsoft Azure Marketplace is an online store that offers applications and services either built on or designed to integrate with Microsoft's Azure public cloud. The fastest way to deploy an independent software vendor (ISV) application or software is to leverage Azure Marketplace to deploy the software.

Q80) Which of the following offers a command platform for deploying objects to cloud infrastructure and for implementing consistency across the Azure environment?

- Azure Stack
- Azure Market Place
- Azure Resource groups
- Azure Resource Manager

Explanation:-Azure Resource Manager provides a management layer that enables you to create, update, and delete resources in your Azure subscription and maintain consistency across environments.

Q81) Which Azure service is shown in the following screen?

- Azure Functions
- Azure Databricks

Explanation:-This figure illustrates the Azure Databricks service.

Azure Databricks has a machine learning library (MLib) consisting of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, and dimensionality reduction, as well as underlying optimization primitives.

- Azure Workspace
 - Azure App Service
-

Q82) Your organization has a support desk that manages all incidents related to the organization's Azure application infrastructure. You need to deploy a solution that notifies the support desk whenever Azure virtual machines (VMs) become unresponsive. Your solution must not require coding or programming knowledge. Which of the following Azure services meets these requirements?

- Azure Function App
- Azure App Service
- Azure Application Insights
- Azure Logic Apps

Explanation:-Azure Logic Apps is a cloud service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on-premises, or both. For example, here are just a few workloads you can automate with Logic Apps:

- Process and route orders across on-premises systems and cloud services
- Send email notifications with Office 365 when events happen in various systems, apps, and services
- Move uploaded files from an SFTP or FTP server to Azure Storage

Monitor tweets for a specific subject, analyze the sentiment, and create alerts or tasks for items that need review.

Q83) Which of the following simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on-premises, or both?

- Azure Functions
- Azure Logic Apps

Explanation:-Azure Logic Apps is a cloud service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on-premises, or both.

For example, here are just a few workloads you can automate with Logic Apps:

- Process and route orders across on-premises systems and cloud services.
- Send email notifications with Office 365 when events happen in various systems, apps, and services.
- Move uploaded files from an SFTP or FTP server to Azure Storage.
- Monitor tweets for a specific subject, analyze the sentiment, and create alerts or tasks for items that need review.

- Azure Marketplace
 - Azure Cosmos database
-

Q84) A team of developers at an organization plans to deploy, test, and then remove multiple customized virtual machines on a weekly basis, in line with DevOps and Agile methodology. What Azure service would you recommend to minimize the administrative effort required to deploy and remove the virtual machines?

- Azure virtual machine scale sets
- Azure DevTest Labs

Explanation:-Azure DevTest Labs enables developers on teams to efficiently manage virtual machines (VMs) and PaaS resources without waiting for approvals. DevTest Labs creates labs consisting of preconfigured bases or Azure Resource Manager templates that provide all the necessary tools and software you need to create environments. You can create environments in a few minutes, as opposed to requiring hours or days.

- Azure Stack hybrid cloud
 - Azure AI
-

Q85) In Azure, a _____ is made up of one or more _____. (Select two.)

- Availability Zone(s)

Explanation:-An Availability Zone (AZ) is a high-availability offering that protects your applications and data from data center failures. AZs are unique physical locations within an Azure region. Each zone is made up of one or more data centers equipped with independent power, cooling, and networking. To ensure resiliency, each enabled region has a minimum of three separate zones. The physical separation of Availability Zones within a region protects applications and data in the event of data center failures.

- Region

Explanation:-An Availability Zone (AZ) is a high-availability offering that protects your applications and data from data center failures. AZs are unique physical locations within an Azure region. Each zone is made up of one or more data centers equipped with independent power, cooling, and networking. To ensure resiliency, each enabled region has a minimum of three separate zones. The physical separation of Availability Zones within a region protects applications and data in the event of data center failures.

- VMs
 - App Service
-

Q86) Which of the following is a tool that provides guidance and recommendations to improve an Azure environment?

- Azure IOT Hub
- Azure Advisor

Explanation:-Azure 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. With Advisor, you can:

- Get proactive, actionable, and personalized best practices recommendations.
- Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.
- Get recommendations with proposed actions inline.

- Azure Application Insights
 - Azure AI Engine
-

Q87) Which of the following Azure services can organizations use to deploy a predictive analytics solution (for example, an oil and gas organization looking to deploy a predictive analytics solution for its oil rig maintenance)?

- Azure IOT Hub
- Azure Machine Learning Studio

Explanation:-Microsoft Azure Machine Learning Studio (classic) is a collaborative, drag-and-drop tool that can be used to build, test, and deploy predictive analytics solutions.

- Azure Web Apps
 - Azure Service Apps
-

Q88) An organization is progressively moving its workloads to Azure. The IT administrator needs to delegate permissions to multiple Azure virtual machines concurrently to enable end users to access these virtual machines. Which of the following will enable the IT administrator to achieve the desired outcome?

- Azure regions
- Azure Resource Manager template
- Azure Availability Zones
- Azure resource groups

Explanation:-A resource group is a container that holds related resources for an Azure solution. A resource group can include all the resources for a solution or only the resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Generally, you add resources that share the same lifecycle to the same resource group so you can easily deploy, update, and delete them as a group.

A resource group stores metadata about the resources. Therefore, when you specify a location for a resource group, you are specifying where that metadata is stored.

Q89) Which of these are Azure managed disk types?

- Ultra Disk, Premium SSD, Ultra Premium SSD
- Ultra Disk, Premium SSD, Standard SSD, Standard HDD

Explanation:-Azure managed disks currently offers four disk types:

- Ultra Disk
 - Premium Solid-State Drive (SSD)
 - Standard SSD
 - Standard Hard Disk Drive (HDD)
 - Ultra Disk, Standard SSD, Standard Disk Drive
 - Premium SSD, Standard Tape Drive
-

Q90) Correct or Incorrect: Serverless computing enables developers to build applications faster because they don't have to manage infrastructure.

- Incorrect
- Correct

Explanation:-Serverless computing enables developers to build applications faster because they don't have to manage infrastructure. With serverless applications, the cloud service provider automatically provisions, scales, and manages the infrastructure required to run the code.

Q91) What is represented in the following screen?

- Azure VNets
- Azure Blob storage
- Azure Cosmos database
- Azure Marketplace

Explanation:-Azure Marketplace, as defined by Azure, is the "premier destination for all your software needs—certified and optimized to run on Azure". You can browse through Azure Marketplace's rich catalog of thousands of products and end-to-end solutions from independent software vendors (ISVs). You can also get access to open source and enterprise applications that have been certified and optimized to run on Azure.

Q92) Which Azure cloud service model is being leveraged in the following screen?

- Infrastructure-as-a-service (IaaS)
- Platform-as-a-service (PaaS)

Explanation:-Cosmos DB falls under the PaaS service model. 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. You purchase the resources you need from a cloud service provider on a pay-as-you-go basis and access them over a secure Internet connection.

PaaS allows you to avoid the expense and complexity of buying and managing software licenses, the underlying application infrastructure and middleware, container orchestrators such as Kubernetes, or development tools and other resources. You manage the applications and services that you develop, and the cloud service provider typically manages everything else.

- All of these
- Software-as-a-service (SaaS)

Q93) Microsoft makes available large infrastructure investments to build its Azure public cloud footprint at global scale and passes much of the cost savings on to customers. What is the term for this?

- Capital expenditure
- Economies of scale

Explanation:-Economies of scale is the ability to do things more efficiently or at a lower cost per unit when operating at a larger scale. This cost advantage is an important benefit in cloud computing. Cloud providers such as Microsoft, Google, and Amazon are large businesses leveraging the benefits of economies of scale. These providers can then pass the savings on to their customers.

- Fault tolerance
- Operational expenditure

Q94) Your organization wants to run its local SQL Server databases in Azure. You recommend that the organization consider Azure SQL Database. Which cloud service model does Azure SQL Database use?

- IaaS
- DRaaS
- SaaS
- PaaS

Explanation:-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. You purchase the resources you need from a cloud service provider on a pay-as-you-go basis and access them over a secure Internet connection.

PaaS allows you to avoid the expense and complexity of buying and managing software licenses, the underlying application infrastructure and middleware, container orchestrators such as Kubernetes, and development tools and other resources. You manage the applications and services that you develop, and the cloud service provider typically manages everything else.

Q95) Which of the following is an Azure service that can dynamically allocate resources to match performance requirements based on usage patterns, resource utilization, time of day, and much more?

- Manual Scale
- Autoscale

Explanation:-Autoscale makes it possible to dynamically allocate resources to match performance requirements. As the volume of work grows, an application may need additional resources to maintain the desired performance levels and satisfy service-level agreements (SLAs). As demand slackens and the additional resources are no longer needed, they can be de-allocated to minimize costs.

- Scale Up
- Scale In

Q96) Which cloud service model is adopted if Microsoft 365 subscription is provided to all employees of the organization?

- IaaS
- SaaS

Explanation:-Software-as-a-service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring, and office tools (such as Microsoft Office 365).

SaaS provides a complete software solution that you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization, and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software, and app data are located in the service provider's data center. The service provider manages the hardware and software, and with the appropriate service agreement, the provider ensures the availability and the security of the app and your data as well. SaaS allows your organization to get up and running quickly with an app at minimal up-front cost.

- DaaS
- PaaS

Q97) Your organization is trying to reduce its IT spend and up-front investment in new IT assets. You need to justify purchasing an Azure subscription to your organization's accounting department. Which investment approach is an ideal fit in this case?

- Capital expenditure (CapEx)
- Economies of scope
- Data sovereignty
- Operational expenditure (OpEx)

Explanation:-With cloud computing, many of the costs associated with an on-premises data center are shifted to the service provider. Instead of featuring physical hardware and data center costs, cloud computing has a different set of costs. For accounting purposes, all these costs are operational expenses or operational expenditure (OpEx).

OpEx involves spending money on services or products now and being billed for them now. You can deduct this expense from your tax bill in the same year. There is no up-front cost. You pay for a service or product as you use it. Moving from a CapEx to an OpEx expenditure model in the cloud provides for a good business use case.

Q98) An organization plans to deploy a private cloud. Which of the following is NOT an advantage of setting up a private cloud network?

- An organization can customize its cloud environment to meet specific business needs.
- The resources are not shared with others, so higher levels of control and security are possible.
- The private cloud environment can be rolled out to the general public.

Explanation:-A private cloud consists of computing resources used exclusively by one business or organization. A private cloud can be physically located at an organization's on-site data center, or it can be hosted by a third-party service provider. However, in a private cloud, the services and infrastructure are always maintained on a private network, and the hardware and software are dedicated solely to one organization. In this way, a private cloud can make it easier for an organization to customize its resources to meet specific IT requirements. Private clouds are often used by government agencies, financial institutions, and other mid-size to large organizations with business-critical operations seeking enhanced control over their environment.

Advantages of a private clouds include the following:

- More flexibility: An organization can customize its cloud environment to meet specific business needs.
- Improved security: Resources are not shared with others, so higher levels of control and security are possible.
- High scalability: Private clouds afford the same scalability and efficiency as a public cloud.

- A private cloud affords the scalability and efficiency of a public cloud.

Q99) Correct or Incorrect: In a software-as-a-service (SaaS) model, the consumer must plan for high availability of the solution.

- Incorrect

Explanation:-SaaS delivers a complete solution that customers can purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization, and your users connect to it over the Internet, usually with a web browser. The underlying infrastructure, middleware, app software, and app data are located in the service provider's data center. The service provider manages the hardware and software and, with the appropriate service agreement, the provider ensures the availability and security of the app and your data as well. SaaS allows your organization to quickly get up and running with an app at minimal up-front cost.

- Correct

Q100) Your organization is based in the United States and wants to take advantage of cloud services and hyperscale. However, your organization must abide by strict data sovereignty requirements. Your organization plans to adopt Azure Stack and use it internally and to consume public cloud services using Azure cloud in the United States. Which of the following cloud deployment models does your organization plan to adopt?

- Community cloud
- Hybrid cloud

Explanation:-A hybrid cloud application is a single system that has components running in both Azure and on-premises. The on-premises component of this solution utilizes Azure Stack, and the public cloud is served by the Azure cloud. This blueprint enables organizations to manage identity for users as well as applications in a way that is consistent across clouds.

- Public cloud
- Private cloud

Q101) In which cloud service model can you control the operating system installation and the installation of other services as well as software patches on the operating system?

- Software-as-a-service (SaaS)
- Platform-as-a-service (PaaS)
- Security-as-a-service (SECaaS)
- Infrastructure-as-a-service (IaaS)

Explanation:-IaaS gives you plenty of control over your cloud resources. However, as per the shared responsibility model, it also implies that you are responsible for making sure your operating system (OS) is patched with vendor and security updates and troubleshooting anything at the OS level.

Q102) An IT administrator for a company has been given a powershell script. This powershell script will be used to create several Virtual Machines in Azure.

You have to provide a machine to the IT administrator for running the powershell script.

You decide to provide a ChromeOS based machine and use Azure Cloud Shell.

Would this solution fit the requirement?

- Correct

Explanation:-

Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell, accessible via Chrome.

For more information, please visit: <https://docs.microsoft.com/en-us/azure/cloud-shell/overview>

1. But we don't know what the script contains, and how many rows 2. Cloud Shell requires an Azure file share to be mounted 3. Cloud Shell is intended for interactive use cases. As a result, any long-running non-interactive sessions are ended without warning. 4. There are limitation with SQLmodule

- Incorrect

Q103) An IT administrator for a company has been given a powershell script.

This powershell script will be used to create several Virtual Machines in Azure.

You have to provide a machine to the IT administrator for running the powershell script.

You decide to provide a computer that has MacOS and Powershell Core 6.0 installed.

Would this solution fit the requirement?

- Incorrect
- Correct

Explanation:-You can run PowerShell on Mac OS X. PowerShell is a command-prompt in your terminal window, so to start it: Start the Terminal application, Now you can simply type powershell as a command and this will start the PowerShell engine and move you from the bash prompt (\$) to the PowerShell prompt (PS).

For more information, please reference:

<https://docs.microsoft.com/en-us/powershell/azure/install-az-ps?view=azps-3.1.0>

Q104) A company is planning on setting up a solution in Microsoft Azure.

The solution would have the following key requirement:

- An Integration solution for the deployment of code**

Which of the following would be best suited for this requirement?

- Azure Application Insights
- Azure Devops

Explanation:-Azure DevOps because it provides developer services to support teams to plan work, collaborate on code development, and build and deploy applications. Developers can work in the cloud using Azure DevOps Services or on-premises using Azure DevOps Server. Azure DevOps Server was formerly named Visual Studio Team Foundation Server (TFS).

- Azure Cognitive Services
- Azure Advisor

Q105) A company is planning on setting up a solution in Microsoft Azure.

The solution would have the following key requirement:

- A tool that provides guidance and recommendations to improve an Azure environment**

Which of the following would be best suited for this requirement?

- Azure Application Insights
- Azure Cognitive Services
- Azure Advisor

Explanation:-Azure Advisor because this solution 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.

For more information, please visit:

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

- Azure Devops

Q106) A company has a requirement to deploy 10 different types of Azure resources for several departments.

All of the resource types and configurations are the same.

Which of the following could be used to automate the deployment of the resources?

- Azure API Management service
- Virtual machine scale sets



Azure Resource Manager templates

Explanation:-Azure Resource Manager templates because Teams need to manage infrastructure and application code through a unified process.

To meet these challenges, you can automate deployments and use the practice of infrastructure as code. In code, you define the infrastructure that needs to be deployed. The infrastructure code becomes part of your project. Just like application code, you store the infrastructure code in a source repository and version it. Any one on your team can run the code and deploy similar environments.

To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates. The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/template-deployment-overview>

- Management groups

Q107) A company has deployed their solutions on to Microsoft Azure.

They have users that connect to Azure AD via the Internet.

They have the requirement that if users try to login from an anonymous IP address, they are then prompted to change their password.

Which of the following should the company consider for this requirement?

- Azure Advanced Threat Protection (ATP)
- Azure AD Identity Protection

Explanation:-Azure AD Identity Protection because Identity this is a tool that allows organizations to accomplish three key tasks:

Automate the detection and remediation of identity-based risks.

Investigate risks using data in the portal.

Export risk detection data to third-party utilities for further analysis.

Identity Protection uses the learning's Microsoft has acquired from their position in organizations with Azure AD, the consumer space with Microsoft Accounts, and in gaming with Xbox to protect your users. Microsoft analyses 6.5 trillion signals per day to identify and protect customers from threats.

The signals generated by and fed to Identity Protection, can be further fed into tools like Conditional Access to make access decisions, or fed back to a security information and event management (SIEM) tool for further investigation based on your organization's enforced policies.

-
- Azure AD Privileged Identity Management
 - Azure AD Connect Health

Q108) A company plans to setup multiple resources within their Microsoft Azure subscription.

They want to implement tagging of resources in Microsoft Azure.

But they want to ensure that when resource groups are created, they have to contain a tag with a name of "organization" and value of "montana".

You recommend using Azure locks for implementing this requirement.

Would this recommendation fulfill the requirement?

- Incorrect

Explanation:-Azure Locks, from an administrator perspective means you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.

ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.

For more information on locking resources, please visit

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources>

- Correct

Q109) A company has created a Resource Group (RG) as shown below.

Larger image

They want to ensure that resources within the Resource Group (RG) don't get accidentally deleted.

Which of the following would you use for this purpose?

- Policies
- Locks

Explanation:-Locks because As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.

ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources>

- Access Control
- Diagnostics settings

Q110) A company wants to purchase a Microsoft Azure support plan.

Below is a key requirement from the support plan:

- Regular architecture reviews from Microsoft for the company's Azure environment

Which of the following plan would the company need to purchase to fulfill this requirement?

- Professional Direct Plan

Explanation:-The Azure ProDirect offering is most appropriate for mid-sized to large companies with substantial business-critical utilisation of Microsoft Azure. Fastest initial response of one hour or less for high-severity support requests Escalation management for priority issues Pooled team of ProDirect Managers provide account management Reference: <https://azure.microsoft.com/en-ca/support/plans/prodirect/>

- Developer Plan
- Premier Plan
- Standard Plan

Q111) A company wants to setup users in within their Microsoft Azure Account.

They have segregated their users into groups.

They now want to ensure they set the right permissions for users and administrators accordingly.

They need to manage the permissions effectively.

You recommend using Azure Policies.

Does this recommendation meet the requirement?

- Incorrect

Explanation:-Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for non-compliance with assigned policies. All data stored by Azure Policy is encrypted at rest.

- Correct

Q112) A company wants to setup users within their Microsoft Azure Account.

They have segregated their users into groups.

They now want to ensure they set the right permissions for users and administrators accordingly. They need to manage the permissions effectively.

You recommend using Azure Role Based Access.

Does this recommendation meet the requirement?

- Correct

Explanation:-Azure role-based access control (RBAC) is the authorization system you use to manage access to Azure resources. To grant access, you assign roles to users, groups, service principals, or managed identities at a particular scope.

- Incorrect

Q113) A company wants to setup users within their Microsoft Azure Account.

They have segregated their users into groups.

They now want to ensure they set the right permissions for users and administrators accordingly.

They need to manage the permissions effectively.

You recommend using Azure Management Groups.

Does this recommendation meet the requirement?

- No, the recommendation does not meet the requirement

Explanation:-This option is not correct because Azure management groups help you organize your resources and subscriptions. Azure Management Groups refers to the tasks and processes required to maintain your business applications and the resources that support them. Azure has many services and tools that work together to provide complete management. These services aren't only for resources in Azure, but also in other clouds and on-premises. Understanding the different tools and how they work together is the first step in designing a complete management environment. <https://docs.microsoft.com/en-us/azure/governance/management-groups/>

- Yes, the recommendation meet the requirement

Explanation:-Access management for cloud resources is a critical function for any organization that is using the cloud. Azure role-based access control (Azure RBAC) helps you manage who has access to Azure resources, what they can do with those resources, and what areas they have access to. Azure RBAC is an authorization system built on Azure Resource Manager that provides fine-grained access management of Azure resources. Refer: <https://docs.microsoft.com/en-us/azure/role-based-access-control/overview>

Q14) A company wants to host their applications on Microsoft Azure using serverless components.

They don't want to manage the underlying infrastructure for the application.

Which of the following could be used to host code that could be run on a serverless infrastructure?

- Azure Service Bus
- Azure Function App

Explanation:-Azure Function App because Azure Functions Apps are a solution for easily running small pieces of code, or "functions," in the cloud. You can write just the code you need for the problem at hand, without worrying about a whole application or the infrastructure to run it. Functions can make development even more productive, and you can use your development language of choice, such as C#, Java, JavaScript, PowerShell, and Python. Pay only for the time your code runs and trust Azure to scale as needed. Azure Functions lets you develop serverless applications on Microsoft Azure.

For more information, please visit:

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

- Azure Logic Apps
- Azure Storage

Q15) A company wants to host their applications on Microsoft Azure using serverless components.

They don't want to manage the underlying infrastructure for the application.

Which of the following could be used to implement a workflow that could be run on a serverless infrastructure?

- Azure Function App
- Azure Service Bus
- Azure Logic Apps

Explanation:-Azure Logic Apps because Azure Logic Apps is a cloud service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on premises, or both.

For more information, please visit:

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

- Azure Storage

Q16) A support engineer plans to perform several Azure management tasks by using the Azure CLI.

You install the CLI on a computer.

You need to tell the support engineer which tools to use to run the CLI.

Which two tools should you instruct the support engineer to use?

- Windows Defender Firewall
- Windows PowerShell

Explanation:-For Windows the Azure CLI is installed via an MSI, which gives you access to the CLI through the Windows Command Prompt (CMD) or PowerShell. When installing for Windows Subsystem for Linux (WSL), packages are available for your Linux distribution. The Azure CLI is a command-line tool providing a great experience for managing Azure resources. The CLI is designed to make scripting easy, query data, support long-running operations, and more. Refer: <https://docs.microsoft.com/en-us/cli/azure/get-started-with-azure-cli?view=azure-cli-latest>

- Azure Resource Explorer
- Command Prompt
- Network and Sharing Center

Q17) Your company is planning on hosting resources in Azure. Is it possible for outside users to have access to resources in Azure?

Correct

Explanation:-Azure has other capabilities in place that can allow other users to access Azure-based resources. For example, Azure has the feature of Azure AD Business to Business collaboration where the users don't have to be defined in Azure.

The Microsoft documentation mentions the following on Azure B2B

Incorrect

Q118) Your company has several business units.

Each business unit requires 20 different Microsoft Azure Resources for daily operation.

All the business units require the same types of Azure resources.

You need to recommend a solution to automate the creation of the Azure resources.

What should you include in the recommendation?

Azure API Management service

Azure Management groups

Azure Resources Manager templates

Explanation:-Azure Resource Manager templates because since moving to the cloud, many companies have adopted agile development methods. These teams iterate quickly. They need to repeatedly deploy their solutions to the cloud, and know their infrastructure is in a reliable state. As infrastructure has become part of the iterative process, the division between operations and development has disappeared. Teams need to manage infrastructure and application code through a unified process.

To meet these challenges, you can automate deployments and use the practice of infrastructure as code. In code, you define the infrastructure that needs to be deployed. The infrastructure code becomes part of your project. Just like application code, you store the infrastructure code in a source repository and version it. Any one on your team can run the code and deploy similar environments.

To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates. The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

Azure virtual machine scale sets

Q119) Correct or Incorrect: Both Azure DDoS, Basic and Standard service tiers display metrics and alerts.

Correct

Incorrect

Explanation:-The Azure Standard DDoS service tier is a paid service and provides additional mitigation capabilities over the Basic service tier (which is free) that are tuned specifically to Azure virtual network resources. The following table provides more details.

Q120) You have a Windows Server 2016 virtual machine (VM) named SRV1 that runs in Azure. You need to configure SRV1 to allow inbound connections to TCP port 443. Your configuration change should affect only SRV1. What should you modify?

Virtual network gateway

Route table

Azure Firewall

Network security group (NSG)

Explanation:-You can use Azure network security groups to filter network traffic to and from Azure resources in an Azure virtual network. A network security group contains security rules that allow or deny inbound network traffic to or outbound network traffic from several types of Azure resources. For each rule, you can specify source and destination, port, and protocol.

Q121) Which of the following enables Microsoft Azure applications and users to store and use several types of secret/key data?

Azure Firewall

Azure Key Vault

Explanation:-Azure Key Vault can be used to securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets.

Azure Sentinel

Azure Information Protection

Q122) Which of the following provides personalized guidance and support when issues in Azure services may affect you in the future?

Azure Security Center

Azure Service Insights

All of these

Azure Service Health

Explanation:-Azure Service Health provides personalized guidance and support when issues in Azure services may affect you in the future. This information includes current and upcoming issues such as service-impacting events, planned maintenance, and other changes that may affect your availability. Azure Service Health is composed of Azure Status, Service Health, and Resource Health.

Q123) To which Azure components can Azure locks be applied?

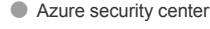


Explanation:-As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, these locks are called Delete and Read-only, respectively:

- CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.
 - ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.
- Azure Information Protection
- Azure subscription

Explanation:-As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, these locks are called Delete and Read-only, respectively:

- CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.
- ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.



Q124) Multiple independent software vendors (ISVs) have listed their firewalls in the Azure Marketplace. However, you have an option to leverage Microsoft Azure's own firewall, which is called _____.



Explanation:-Azure Firewall is a managed, cloud-based network security service that protects your Azure virtual network resources (see the diagram). It is a fully stateful firewall-as-a-service with built-in high availability and unrestricted cloud scalability.

You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources, allowing outside firewalls to identify traffic originating from your virtual network. The service is fully integrated with Azure Monitor for logging and analytics.

