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Q1. What is Cloud computing?

Solution: Computing you do while in clouds

20 latest and important questions.

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20 latest and important questions.

Q1. What is Cloud computing?

Solution: Computing you do while in clouds



Q2. What is Cloud computing?

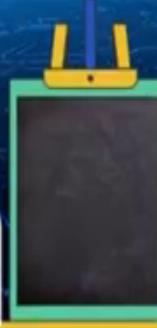
Solution: Cloud computing is the on-demand delivery of IT resources over the Internet with pay-as-you-go pricing



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# AZ 900: Questions and Answers – Part 15

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**Q266:** Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: You recommend the use of Azure Reserved Virtual Machines (VM) Instances.



Does the solution meet the goal?

<input type="button" value="Yes"/>	<input checked="" type="button" value="No"/>
------------------------------------	--



**Q267:** Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Microsoft Managed Desktop.

Does the solution meet the goal?

Yes	No <input checked="" type="radio"/>
-----	-------------------------------------



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**Q208:** Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Azure DevTest Labs.

Does the solution meet the goal?

Yes

No





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Azure DevTest Labs is a service for easily creating, using, and managing infrastructure-as-a-service (IaaS) virtual machines (VMs) and platform-as-a-service (PaaS) environments in labs. Labs offer preconfigured bases and artifacts for creating VMs, and Azure Resource Manager (ARM) templates for creating environments like Azure Web Apps or SharePoint farms.

Lab owners can create preconfigured VMs that have tools and software

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Lab owners can create preconfigured VMs that have tools and software lab users need. Lab users can claim preconfigured VMs, or create and configure their own VMs and environments. Lab policies and other methods track and control lab usage and costs.

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**Q268:** Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

**Solution:** You recommend the use of Azure DevTest Labs.

Does the solution meet the goal?

<input type="radio"/> Yes	<input type="radio"/> No
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**Q269:** You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

**Solution:** You recommend the use of Azure Information Protection.



Does the solution meet the goal?

Yes	No
-----	----



**Q270:** You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

**Solution:** You recommend the use of Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

<input type="button" value="Yes"/>	<input checked="" type="button" value="No"/>
------------------------------------	--



**Q271:** You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

**Solution:** You recommend the use of Azure key vault.

Does the solution meet the goal?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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# Azure Key Vault basic concepts

Article • 12/18/2022 • 7 minutes to read • 7 contributors

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Azure Key Vault is a cloud service for securely storing and accessing secrets. A secret is anything that you want to tightly control access to,

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Azure Key Vault is a cloud service for securely storing and accessing secrets. A secret is anything that you want to tightly control access to, such as API keys, passwords, [certificates](#), or cryptographic keys. Key Vault service supports two types of containers: vaults and managed hardware security module(HSM) pools. Vaults support storing software and HSM-backed keys, secrets, and certificates. Managed HSM pools only support HSM-backed keys. See [Azure Key Vault REST API overview](#) for complete details.

Here are other important terms:

- **Tenant:** A tenant is the organization that owns and manages a specific instance of Microsoft cloud services. It's most often used to refer to the set of Azure and Microsoft 365 services for an organization.

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**Q271:** You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

**Solution:** You recommend the use of Azure key vault.

Does the solution meet the goal?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
---	-----------------------------



**Q272:** You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Cosmos DB.

Does the solution meet the goal?

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Yes

No

**Q273:** You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

**Solution:** You should make use of Azure Machine Learning Studio.

Does the solution meet the goal?

Yes

No



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Machine Learning Studio (classic) is a drag-and-drop tool you can use to build, test, and deploy predictive analytics solutions.

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**Q274:** Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.



Solution: You recommend that the Azure API Management service be included in the strategy.

Does the solution meet the goal?

Yes

No

Azure API Management Service ( APIM ) is a way to create and manage customer APIs for existing backend services.



**Q275:** Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that management groups be included in the strategy.

Does the solution meet the goal?

Yes

No

Azure management groups support Azure role-based access control (Azure RBAC) for all resource accesses and role definitions

**Q276:** Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure Resource Manager templates be included in the strategy.

Does the solution meet the goal?

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Yes	No
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# What is Azure Resource Manager?

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## Terminology

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Azure Resource Manager 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.

To learn about Azure Resource Manager templates (ARM templates), see the [ARM template overview](#). To learn about Bicep, see [Bicep overview](#).

# Consistent management layer

When you send a request through any of the Azure APIs, tools, or SDKs, Resource Manager receives the request. It authenticates and authorizes the request before forwarding it to the appropriate Azure service. Because all requests are handled through the same API, you

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Shows how to apply tags to organize Azure resources for billing and managing.

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Use Azure portal to manage your resource groups through Azure Resource Manager. Shows how to...

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**Q277:** Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the elastic expenditure model.



Does the solution meet the goal?

<input type="button" value="Yes"/>	<input checked="" type="button" value="No"/>
------------------------------------	--



**Q278:** Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the scalable expenditure model.



Does the solution meet the goal?

<input type="button" value="Yes"/>	<input checked="" type="button" value="No"/>
------------------------------------	--



**Q279:** Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.



**Solution:** You should recommend the use of the operational expenditure model.

Does the solution meet the goal?

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<input type="button" value="Yes"/>	<input type="button" value="No"/>
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**Q280:** Your company's Active Directory forest includes thousands of user accounts. You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

**Solution:** You plan to require Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

Yes

No



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**Q281:** Your company's Active Directory forest includes thousands of user accounts. You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to sync all the Active Directory user accounts to Azure Active Directory (Azure AD).

Does the solution meet the goal?

Yes

No



**Q282:** You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.

You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

Solution: You plan to make use of several Azure Active Directory (Azure AD) directories.

Does the solution meet the goal?

Yes

No



**Q283:** You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.

You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

**Solution:** You plan to make use of Azure Resource Manager.

Does the solution meet the goal?

Yes

No



**Q284:** Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

**Solution:** You configure the use of Azure AD Privileged Identity Management.

Does the solution meet the goal?

Yes

No





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# What is Azure AD Privileged Identity Management?

Article • 03/16/2023 • 11 minutes to read • [11 contributors](#) 

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Reasons to use

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Privileged Identity Management (PIM) is a service in Azure Active Directory (Azure AD) that enables you to manage, control, and monitor access to important resources in your organization. These resources include resources in Azure AD, Azure, and other Microsoft Online Services such as Microsoft 365 or Microsoft Intune. The following video explains important PIM concepts and features.



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Describes the licensing requirements to use Azure AD Privileged Identity Management (PIM).

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directory (Azure AD) that enables you to manage, control, and monitor access to important resources in your organization. These resources include resources in Azure AD, Azure, and other Microsoft Online Services such as Microsoft 365 or Microsoft Intune. The following video explains important PIM concepts and features.



## Reasons to use

Organizations want to minimize the number of people who have

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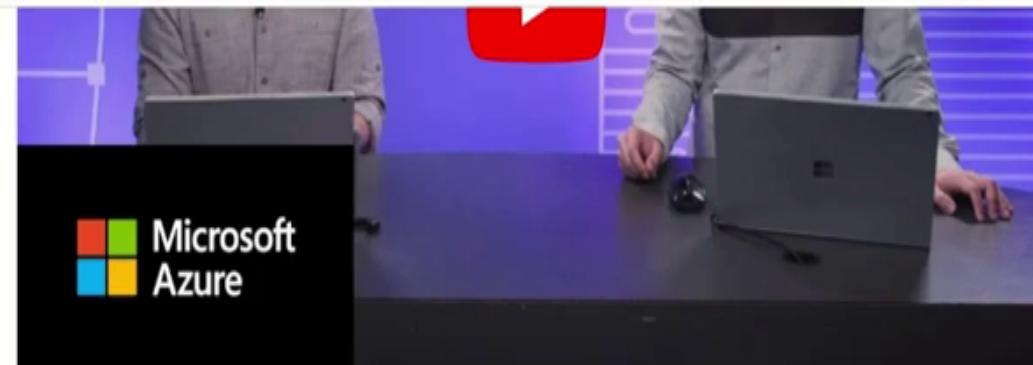
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## Reasons to use

Organizations want to minimize the number of people who have access to secure information or resources, because that reduces the chance of



- a malicious actor getting access
- an authorized user inadvertently impacting a sensitive resource

However, users still need to carry out privileged operations in Azure AD, Azure, Microsoft 365, or SaaS apps. Organizations can give users just-in-time privileged access to Azure and Azure AD resources and can oversee what those users are doing with their privileged access.

## License requirements

**Q284:** Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure AD Privileged Identity Management.

Does the solution meet the goal?



Yes

No



**Q285:** Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure AD Identity Protection.

Does the solution meet the goal?

Yes

No



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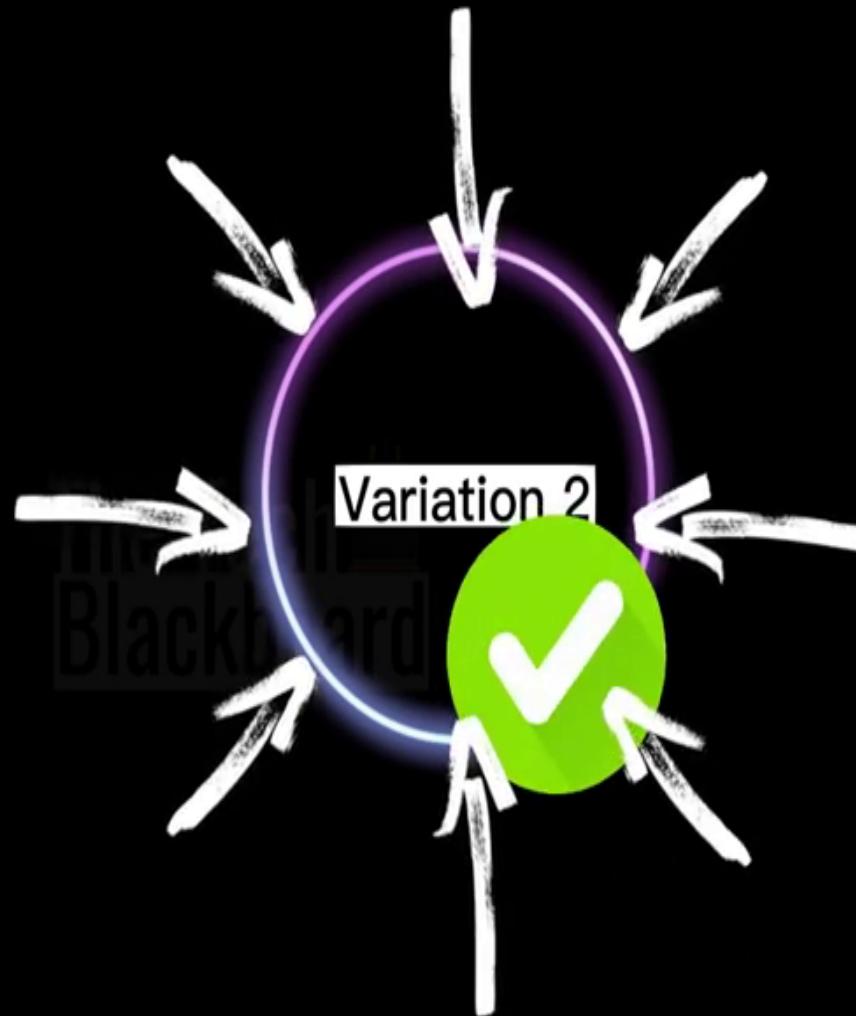
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