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AZ-900

20 Questions

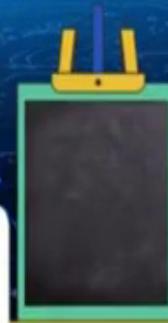
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# Azure Active Directory Domain Services (Azure AD DS)

Manage your domain controllers in the cloud.



Try Azure AD free

Create a pay-as-you-go account

Domain Services ▾ Overview Features Security Pricing Get Started Resources FAQ

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00:01:30

Domain Services x +

azur...com/en-us/products/active-directory/ds#layout-container-uid9f38

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Domain Services Overview Features Security Pricing Get Started Resources FAQ

Save costs and  
operate more  
efficiently with  
managed domain  
services

Azure Active Directory Domain Services (Azure AD DS), part of [Microsoft Entra](#), enables you to use managed domain services—such as Windows Domain Join, group policy, LDAP, and Kerberos authentication—without having to deploy, [manage](#), or patch domain controllers.



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00:02:05

Domain Services x +

az.microsoft.com/en-us/products/active-directory/ds#layout-container-uid9f38

Free account

Domain Services Overview Features Security Pricing Get Started Resources FAQ

Access to managed domain services such as Windows Domain Join, group policy, LDAP, and Kerberos authentication

Ability to join Azure virtual machines to a managed domain without domain controllers

Simple sign-in to apps connected to your managed domain with Azure AD credentials

Lift-and-shift migration of legacy applications from your on-premises environment to a managed domain

Increase operational efficiency

Microsoft Azure

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Azure AD Domain Services

Search (Ctrl+/)

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Overview Activity log

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Question based on

Azure Active Directory Domain Services  
(Azure AD DS)

**Q41:** Is Azure Active Directory Domain Services part of Microsoft Entra.

True

False

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**Q42:** You can create multiple managed domains for a single Azure AD directory.

True

False

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**Q41:** Is Azure Active Directory Domain Services part of Microsoft Entra.

True

False

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**Q42:** You can create multiple managed domains for a single Azure AD directory.

True

False

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**Q43:** You can enable Azure AD DS in an Azure Resource Manager virtual network.

True

False



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**Q44:** You can always invite guest user in your directory to use Azure AD DS.

True

False

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**Q45:** You can pause an Azure AD DS managed domain.

True

False

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**Q46:** Azure AD DS include high availability options.

True

False



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**Q47:** You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. **What are three possible solutions?** Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- a) Use Bash in Azure Cloud Shell.
- b) Use PowerShell in Azure Cloud Shell.
- c) Use the PowerApps portal.
- d) Use the Security & Compliance admin center.
- e) Use the Azure portal.



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In part 3

5 Questions:  
Q21 to Q25



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Questions like Q21, 22, 23, 24, 25 & 47



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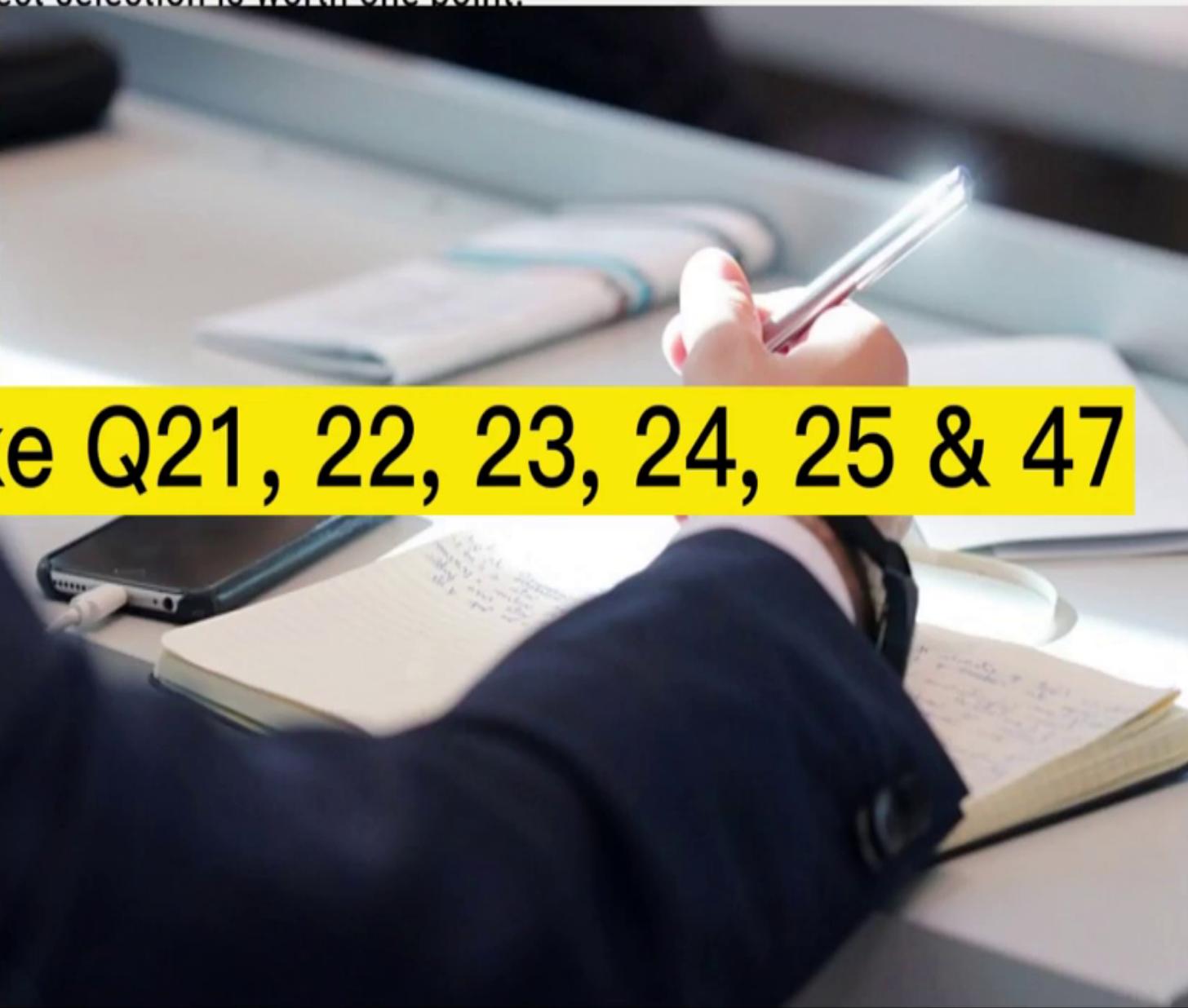
Questions like Q21, 22, 23, 24, 25 & 47



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Questions like Q21, 22, 23, 24, 25 & 47



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Questions like Q21, 22, 23, 24, 25 & 47



**Q48:** You plan to migrate a web application to Azure. The web application is accessed by external users. You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application. **What should you include in the recommendation?**

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)**
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

**Q48:** You plan to migrate a web application to Azure. The web application is accessed by external users. You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application. **What should you include in the recommendation?**

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)**
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises.

App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile Services.

00:09:51

## AZ 900: Questions and Answers – Part 4



•



**Q49:** You have a subscription SUB1 with a virtual machine VM1. You create a new subscription SUB2 and move VM1 to SUB2. Is this possible?

Yes

No

Moving an  
Azure Resource

VS

Copying an  
Azure Resource

**Q49:** You have a subscription SUB1 with a virtual machine VM1. You create a new subscription SUB2 and move VM1 to SUB2. Is this possible?

Yes

No

**Q50:** You can move VMs to another Azure region

True

False

**Q51:** Your virtual machine VM1 reside in Resource Group RG1. You want to copy VM1 to another resource group RG2. **Is this possible?**

Yes

No

**Q51:** Your virtual machine VM1 reside in Resource Group RG1. You want to copy VM1 to another resource group RG2. **Is this possible?**

 Yes No

**Q52:** Your virtual machine VM1 reside in Resource Group RG1 in Subscription A. You want to copy VM1 to another resource group RG2 in Subscription B. **Is this possible?**

 Yes No



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QUESTION ANSWER

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**Q53:** Your company has multiple Azure Virtual Machines in an Availability Zone in Region A. You are asked to move one Virtual Machine from this Availability Zone to another Availability Zone in Region B. **Is this possible?**

Yes

No

**Q53:** Your company has multiple Azure Virtual Machines in an Availability Zone in Region A. You are asked to move one Virtual Machine from this Availability Zone to another Availability Zone in Region B. **Is this possible?**

 Yes No

You can move Azure VMs (and related network/storage resources) to an availability zone in a different Azure region, using Azure Resource Mover.



**Q53:** Your company has multiple Azure Virtual Machines in an Availability Zone in Region A. You are asked to move one Virtual Machine from this Availability Zone to another Availability Zone in Region B. **Is this possible?**

Yes

No



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configurations to another  
regionMove Maintenance Control  
configuration resources to  
another region

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# Move a Windows VM to another Azure subscription or resource group

Article • 02/28/2022 • 2 minutes to read • 13 contributors

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## In this article

[Use the Azure portal to move a VM to a different subscription](#)[Use the Azure portal to move a VM to another resource group](#)[Use PowerShell to move a VM](#)[Next steps](#)

Applies to: Windows VMs

## Training

Learning paths and modules

[Move Azure resources to another resource group - Training](#)

Learn how to identify Azure resources you can move, and how to move them to a new resource group.

## Documentation

[Move Azure VMs to new subscription or resource group - Azure Resource Manager](#)

Use Azure Resource Manager to move virtual machines to a new resource group or subscription.

# Use the Azure portal to move a VM to a different subscription

Filter by title

- CLI
- PowerShell
- Change subscription for Marketplace VMs
- Move VMs to another region
- Move to an availability zone
- Move Maintenance Control configurations to another region
- Move Maintenance Control configuration resources to another region
  - > Migrate AWS and on-premises VMs
  - > Infrastructure automation
  - > Resources

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

1. Go to the [Azure portal](#) to manage the resource group containing the VM to move. Search for and select **Resource groups**.
2. Choose the resource group containing the VM that you would like to move.
3. At the top of the page for the resource group, select **Move** and then select **Move to another subscription**. The **Move resources** page opens.
4. Select each of the resources to move. In most cases, you should move all of the related resources that are listed.
5. Select the **Subscription** where you want the VM to be moved.
6. Select an existing **Resource group**, or enter a name to have a new resource group created.
7. When you are done, select that you understand that new resource IDs will be created and that the new IDs will need to be used with the VM after it is moved, and then select **OK**.

## Use the Azure portal to move a VM





resource group created.

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

## Use the Azure portal to move a VM to another resource group

You can move a VM and its associated resources to another resource group by using the Azure portal.

- Go to the Azure portal to manage the resource group containing the VM to move. Search for and select **Resource groups**.
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- At the top of the page for the resource group, select **Move** and then select **Move to another resource group**. The **Move resources** page opens.
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- Select an existing **Resource group**, or enter a name to have a new resource group created.
- When you are done, select that you understand that new resource IDs will be created and that the new IDs will need to be used with the VM after it

Filter by title

CLI

PowerShell

Change subscription for

Marketplace VMs

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Move to an availability zone

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VMs

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## Use PowerShell to move a VM

To move a virtual machine to another resource group, you need to make sure that you also move all of the dependent resources. To get a list with the resource ID of each of these resources, use the `Get-AzResource` cmdlet.

Azure PowerShell

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```
Get-AzResource -ResourceGroupName myResourceGroup | Format-table -wrap
```

Move VMs to another region

### Move to an availability zone

Move Maintenance Control configurations to another region

Move Maintenance Control  
configuration resources to  
another region

- › Migrate AWS and on-premise VMs

#### > Infrastructure automation

## > Resources

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You can use the output of the previous command to create a comma-separated list of resource IDs to [Move-AzResource](#) to move each resource to the destination.

Azure PowerShell

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```
Move-AzResource -DestinationResourceGroupName "myDestinationResourceGroup"
    -ResourceId <myResourceId,myResourceId,myResourceId>
```

To move the resources to different subscription, include the **-DestinationSubscriptionId** parameter.

Azure PowerShell

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# Move Azure VMs across regions

Article • 01/06/2023 • 9 minutes to read • 3 contributors

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## In this article

[Sign in to Azure](#)[Prerequisites](#)[Prepare VMs](#)[Select resources](#)[Show 9 more](#)

This tutorial shows you how to move Azure VMs and related network/storage resources to a different Azure region using [Azure Resource Mover](#).

Training

Learning paths and modules

[Move Azure resources to another resource group - Training](#)

Learn how to identify Azure resources you can move, and how to move them to a new resource group.

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Use Azure Resource Manager to move virtual machines to a new resource group or subscription.



## In this article

[Sign in to Azure](#)

[Prerequisites](#)

[Prepare VMs](#)

[Select resources](#)

[Show 9 more](#)

This tutorial shows you how to move Azure VMs and related network/storage resources to a different Azure region using [Azure Resource Mover](#).

Azure Resource Mover helps you move Azure resources between Azure regions.

You might move your resources to another region for many reasons. For example, to take advantage of a new Azure region, to deploy features or services available in specific regions only, to meet internal policy and governance requirements, or in response to capacity planning requirements.

In this tutorial, you learn how to:

- ✓ Move Azure VMs to another region with Azure Resource Mover.
- ✓ Move resources associated with VMs to another region.

**Note**

Learn how to identify Azure resources you can move, and how to move them to a new resource group.

## Documentation

[Move Azure VMs to new subscription or resource group - Azure Resource Manager](#)

Use Azure Resource Manager to move virtual machines to a new resource group or subscription.

[Move VMs to an Azure region with availability zones using Azure Site Recovery - Azure Site Recovery](#)

Learn how to move VMs to an availability zone in a different region with Site Recovery

[Support matrix for moving Azure VMs to another region with Azure Resource Mover](#)

Review support for moving Azure VMs between regions with Azure Resource Mover.

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Mover.

[Show 5 more](#)**Note**

Tutorials show the quickest path for trying out a scenario, and use default options where possible.

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Move encrypted Azure VMs to another region

Move resources across regions with PowerShell

Move SQL resources to another region

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&gt; How-to Guides

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&gt; Monitoring

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## Sign in to Azure

If you don't have an Azure subscription, create a [free account](#) before you begin and sign in to the [Azure portal](#).

## Prerequisites

Before you begin, verify the following:

Requirement	Description
Resource Mover support	Review the supported regions and other common questions.
Subscription permissions	Check that you have <i>Owner</i> access on the subscription containing the resources that you want to move



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If you don't have an Azure subscription, create a free account [before you begin](#) and sign in to the Azure portal [here](#).

# Prerequisites

Before you begin, verify the following:

Requirement	Description
Resource Mover support	Review the supported regions and other common questions.
Subscription permissions	Check that you have <i>Owner</i> access on the subscription containing the resources that you want to move
VM support	- Check that the VMs you want to move are supported. <a href="#">Verify supported Windows VMs</a>

**Why do I need Owner access?** The first time you add a resource for a specific source and destination pair in an Azure subscription, Resource Mover creates a [system-assigned managed identity](#) (formerly known as Managed Service Identity (MSI)) that's trusted by the subscription. To create the identity, and to assign it the required role (Contributor or User Access administrator in the source subscription), the account you use to add resources needs *Owner* permissions on the subscription. [Learn more](#) about Azure roles.

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**Destination region charges** Verify pricing and charges associated with the target region to which you're moving VMs. Use the [pricing calculator](#) to help you.

## Prepare VMs

To prepare VMs for the move, follow these steps:

1. After checking that VMs meet the requirements, ensure that the VMs you want to move are turned on. All VMs disks that you want to be available in the destination region must be attached and initialized in the VM.
2. Ensure that VMs have the latest trusted root certificates and an updated certificate revocation list (CRL). To do this:
  - On Windows VMs, install the latest Windows updates.
  - On Linux VMs, follow distributor guidance so that machines have the latest certificates and CRL.
3. Allow outbound connectivity from VMs:
  - If you're using a URL-based firewall proxy to control outbound connectivity, allow access to these [URLs](#).
  - If you're using network security group (NSG) rules to control outbound connectivity, create these [service tag rules](#).



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[Learning paths and modules](#)[Move Azure resources to another resource group - Training](#)

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## Documentation

[Move Azure VMs to new subscription or resource group - Azure Resource Manager](#)

Use Azure Resource Manager to move virtual machines to a new resource group or subscription.



# Move Azure resources to another resource group

42 min • Module • 8 Units

★★★★★ 4.7 (4,652)

Beginner

Administrator

Azure

Azure Resource Manager

1000 XP

Identify Azure resources that you can move to a different resource group. Use the Azure portal to move resources.

## Learning objectives

In this module, you will:

- Identify whether you can move resources
- Move resources to another resource group



47

48

60

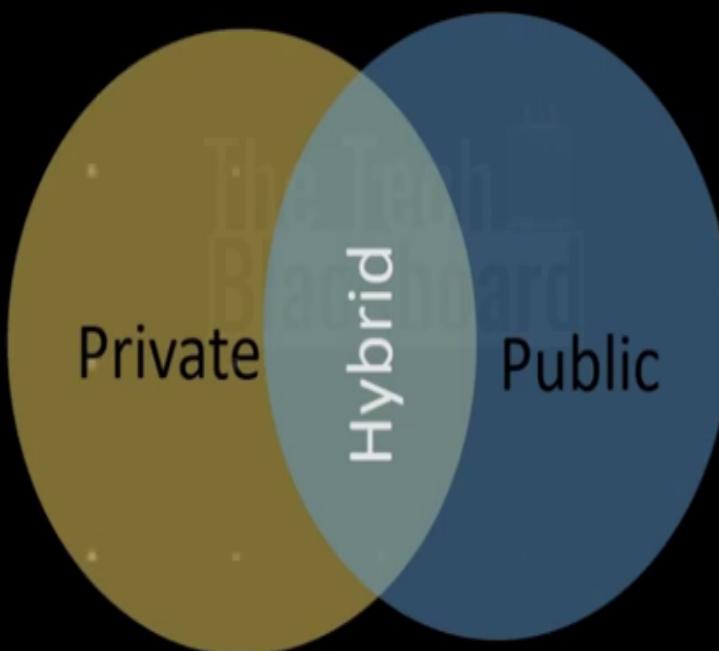
**Q5** Your company has a private cloud setup, and they want to start using Microsoft Azure Hybrid cloud model. They would need to migrate their entire private cloud model to achieve a hybrid cloud model. Is it true or false?

True

False

**Q1:** Which of the following is a correct statement?

- a) Private Cloud = Public Cloud + Hybrid Cloud
- b) Public Cloud = Hybrid Cloud + Private Cloud
- c) Hybrid Cloud = Private Cloud + Public Cloud



Private cloud is where the computing services are offered to users over the internet or a private internal network.

Public cloud are owned and operated by a third-party cloud service providers like Azure, AWS or GCP.

A hybrid cloud, as the name suggests, is a combination of public cloud and private cloud. A hybrid cloud typically extends a connection from an on-premises data center to a public cloud.



**Q55:** Your company has a private cloud setup, and they want to start using Microsoft Azure Public cloud model. When can an organization decommission its private cloud infrastructure hosted in its data center?

- a) When they have a hybrid solution
- b) When all of their servers are in the private cloud
- c) When all of their servers are in the public cloud
- d) When all of their servers are in the public or private cloud

**Q56:** What does a customer provide in a software as a service (SaaS) model?

- a) application data
- b) data storage
- c) compute resources
- d) application software



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# What is SaaS?

Software as a service

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, 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.



---

SaaS

---



Hosted  
applications/apps

Development tools, database  
management, business analytics

Operating  
systems

Servers and  
storage

Networking  
firewalls/security

Data center physical  
plant/building

## Common SaaS scenarios

If you've used a web-based email service such as Outlook, Hotmail, or Yahoo! Mail, then you've already used a form of SaaS. With these services, you log into your account over the Internet, often from a web browser. The email software is located on the service provider's network, and your messages are stored there as well. You can access your email and stored messages from a web browser on any computer or Internet-connected device.

The previous examples are free services for personal use. For organizational use, you can rent productivity apps, such as email, collaboration, and calendaring; and sophisticated business applications such as customer relationship management (CRM), enterprise resource planning (ERP), and document management. You pay for the use of these apps by subscription or according to the level of use.

## Advantages of SaaS

**Gain access to sophisticated applications.** To provide SaaS apps to users, you don't need to purchase, install, update, or maintain any hardware, middleware, or software. SaaS makes even sophisticated enterprise applications, such as ERP and CRM, affordable for organizations that lack the resources to buy, deploy, and

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**Pay only for what you use.** You also save money because the SaaS service automatically scales up and down according to the level of usage.

**Use free client software.** Users can run most SaaS apps directly from their web browser without needing to download and install any software, although some apps require plugins. This means that you don't need to purchase and install special software for your users.

**Mobilize your workforce easily.** SaaS makes it easy to "mobilize" your workforce because users can access SaaS apps and data from any Internet-connected computer or mobile device. You don't need to worry about developing apps to run on different types of computers and devices because the service provider has already done so. In addition, you don't need to bring special expertise onboard to manage the security issues inherent in mobile computing. A carefully chosen service provider will ensure the security of your data, regardless of the type of device consuming it.

**Access app data from anywhere.** With data stored in the cloud, users can access their information from any Internet-connected computer or mobile device. And when app data is stored in the cloud, no data is lost if a user's computer or device fails.

**Q57** Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed. You need to recommend a cloud deployment solution for all the applications. **What should you recommend?**

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



# What is IaaS?

- Infrastructure as a service

[Overview](#) [FAQs](#) [Products](#) [Get started](#)

Infrastructure as a service (IaaS) is a type of cloud computing service that offers essential compute, storage, and networking resources on demand, on a pay-as-you-go basis. IaaS is one of the four types of cloud services, along with software as a service ([SaaS](#)), platform as a service ([PaaS](#)), and [serverless](#).

Migrating your organization's infrastructure to an IaaS solution helps you reduce maintenance of on-premises data centers, save money on hardware costs, and gain real-time business insights. IaaS solutions give you the flexibility to scale your IT resources up and down with demand. They also help you quickly provision new applications and increase the reliability of your underlying infrastructure.

IaaS lets you bypass the cost and complexity of buying and managing physical servers and datacenter infrastructure. Each resource is offered as a separate service component, and you only pay for a particular resource for as long as you need it. A [cloud computing service provider](#) like [Azure](#) manages the infrastructure while you purchase, install, configure, and manage your own software—including operating systems, middleware, and applications.

00:19:51

# AZ 900: Questions and Answers – Part 4

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**Q58:** You have 50 virtual machines hosted on-premises and 50 virtual machines hosted in Azure. The on-premises virtual machines and the Azure virtual machines connect to each other. Which type of cloud model is this?

- a) hybrid cloud
- b) private cloud
- c) public cloud

**Q59:** Google Apps, Microsoft Office 365, Gmail, Yahoo and Facebook are example of SaaS.

True

False

**Q59:** Google Apps, Microsoft Office 365, Gmail, Yahoo and Facebook are example of SaaS.

True

False

**Q60:** App Services, Azure Search and Azure CDN are examples of?

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

### Azure CDN: Azure Content Delivery Network

CDNs store cached content on edge servers in point-of-presence (POP) locations

Global, distributed points of presence (PoPs) provide fast content delivery and protect the point of origin from congestion.

**Q59:** Google Apps, Microsoft Office 365, Gmail, Yahoo and Facebook are example of SaaS.

True

False

**Q60:** App Services, Azure Search and Azure CDN are examples of?

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



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