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Episode 30

20 Important Questions

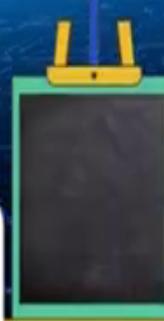
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already covered.



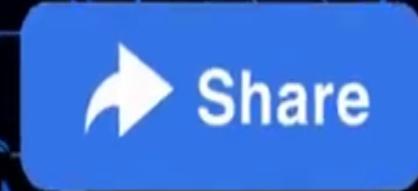
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AZ 900: Questions and Answers – Part 30

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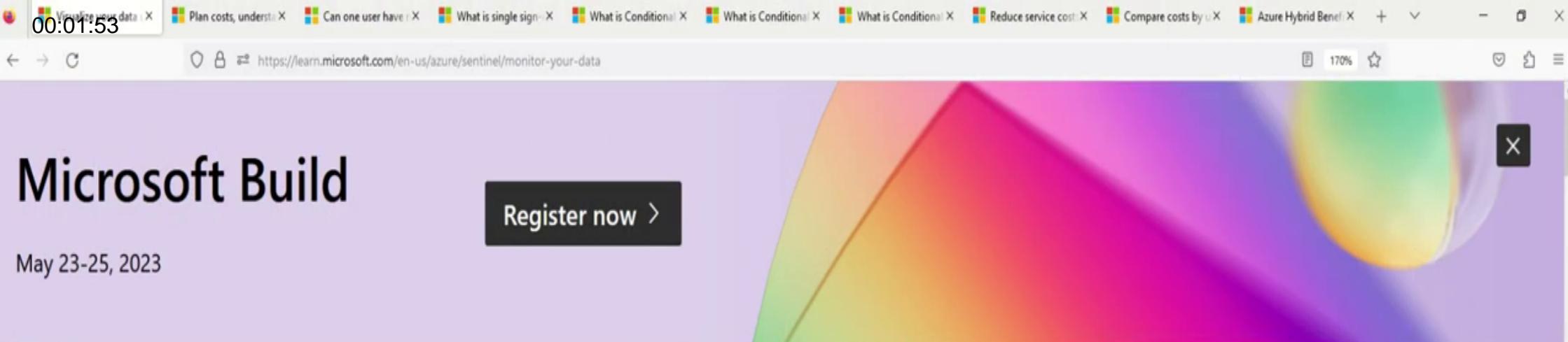
Q561: Your company plans to deploy several web servers and several database servers to Azure. You need to recommend an Azure solution to limit the types of connections from the web servers to the database servers.

What should you include in the recommendation?

- a) network security groups (NSGs)
- b) Azure Service Bus
- c) a local network gateway
- d) a route filter

Q50 You have an Azure Sentinel workspace. You need to automate responses to threats detected by Azure Sentinel. Which should you use?

- a) 23-25, 2023 Secure network hardening in Azure Security Center
- b) Service Health
- c) Microsoft Monitor workbooks
- d) Microsoft Defender application controls in Azure Security Center



May 23-25, 2023



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Once you have [connected your data sources](#) to Microsoft Sentinel, you can visualize and monitor the data using the Microsoft Sentinel adoption of Azure Monitor Workbooks, which provides versatility in creating custom dashboards. While [the Workbooks are displayed differently](#) in Microsoft Sentinel, it may be useful for you to see how to [create interactive reports with Azure Monitor Workbooks](#). Microsoft Sentinel allows you to create custom workbooks across your data, and also comes with built-in workbook templates to allow you to quickly gain insights across your data as soon as you connect a data source.

This article describes how to visualize your data in Microsoft Sentinel.

- ✓ Use built-in workbooks
- ✓ Create new workbooks

Prerequisites

You must have at least [Workbook reader](#) or [Workbook contributor](#).

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[Monitor the health of your Microsoft Sentinel automation rules and playbooks](#)

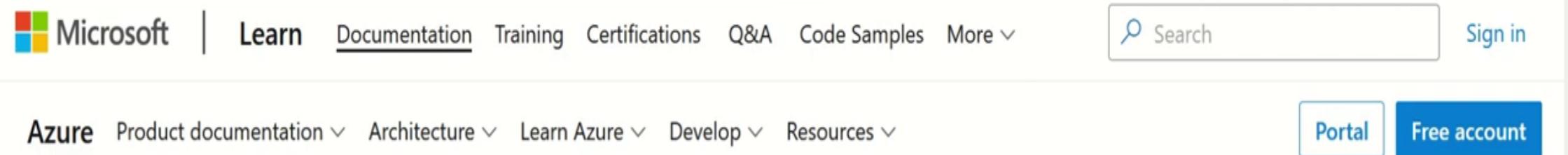
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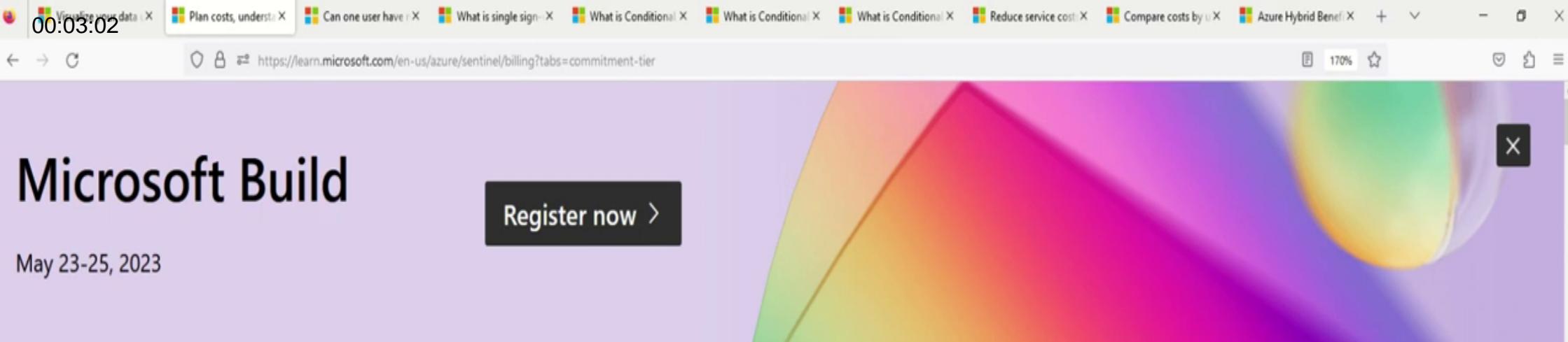
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Q563: Azure Sentinel stores collected events in an Azure storage account.

Yes

No



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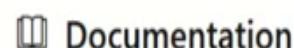
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Understand the full billing model for Microsoft Sentinel

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As you plan your Microsoft Sentinel deployment, you typically want to understand the Microsoft Sentinel pricing and billing models, so you can optimize your costs. Microsoft Sentinel security analytics data is stored in an Azure Monitor Log Analytics workspace. Billing is based on the volume of that data in Microsoft Sentinel and the Azure Monitor Log Analytics workspace storage. Learn more about [Microsoft Sentinel pricing](#).

Before you add any resources for Microsoft Sentinel, use the [Azure pricing calculator](#) to help estimate your costs.

Costs for Microsoft Sentinel are only a portion of the monthly costs in your Azure bill. Although this article explains how to plan costs and understand the billing for Microsoft Sentinel, you're billed for all Azure services and resources your Azure subscription uses, including Partner services.

The Microsoft security operations analyst collaborates with organizational stakeholders to secur...

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Q563: Azure Sentinel stores collected events in an Azure storage account.

Yes

No

Q564: Azure Sentinel can remediate incidents automatically.

Yes No

Q565: Azure Sentinel can collect Windows Defender Firewall logs from Azure virtual Machines

Yes

No



Azure Sentinel



Q566: Azure Policy helps organization to:

- a) Enforce organizational standards & to assess compliance at-scale
- b) Create security policy
- c) Create firewall rules



04:56

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Q50

Can one user account have more than one Microsoft 365 licenses?

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and

Yes

No



Search within Microsoft 365 and Office



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PhareCircus

Created on April 9, 2020

Can one user have multiple Office 365 licenses?

Our organization has an Office 365 package that includes web apps only. I purchased the family Office 365 good for 5 users and includes desktop apps. Currently, each person for whom I use the family plan has to have 2 different MS IDs, one for the organization package and one for the desktop plan.

Can one user have both licences to alleviate the confusion?

 This thread is locked. You can follow the question or vote as helpful, but you cannot reply to this thread.

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Wilfred P.

Independent Advisor

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Wilfred P
Independent Advisor
 Independent Advisor

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Hi,

This is Wil, one of the independent advisor, an expert with Windows 10 and a fellow Windows 10 user like you. I understand your concern about Office 365 subscriptions.

An Office 365 Business can only be associated with a work email address. If your work email address can be signed up as a personal Microsoft account, you may use it as well for your Office 365 Home or Personal version. The only difference is the site where you are going to access the subscription. Office 365 Business can be accessed on <https://portal.office.com> while the Office 365 Personal or Home can be accessed on <https://account.microsoft.com/services>

So my answer is yes, a Microsoft account can have both Office 365 Business and Office 365 Home as long as it is a work email address that can be signed up as both Microsoft work email address and Microsoft personal email address.

I hope my suggestions help you. If you need further assistance please do reply back and I will respond as quickly as possible. Have a nice day.

Thanks,
Wilfred P.
Independent Advisor

Was this reply helpful? Yes No

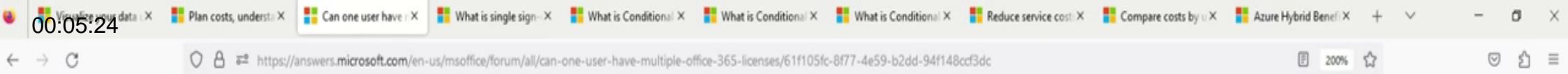
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A. User

Replied on June 11, 2020

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Independent Advisor

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Hi,

This is Wil, one of the independent advisor, an expert with Windows 10 and a fellow Windows 10 user like you. I understand your concern about Office 365 subscriptions.

An Office 365 Business can only be associated with a work email address. If your work email address can be signed up as a personal Microsoft account, you may use it as well for your Office 365 Home or Personal version. The only difference is the site where you are going to access the subscription. Office 365 Business can be accessed on <https://portal.office.com> while the Office 365 Personal or Home can be accessed on <https://account.microsoft.com/services>

So my answer is yes, a Microsoft account can have both Office 365 Business and Office 365 Home as long as it is a work email address that can be signed up as both Microsoft work email address and Microsoft personal email address.

I hope my suggestions help you. If you need further assistance please do reply back and I will respond as quickly as possible. Have a nice day.

This is Wil, co of the independent advisor, an expert with Windows 10 and a fellow Windows 10 user like you. I understand your concern about

57: Can Office 365 subscriptions.

An Office 365 Business can only be associated with a work email address. If your work email address can be signed up as a personal Microsoft account, you may use it as well for your Office 365 Home or Personal version. The only difference is the site where you are going to access the subscription. Office 365 Business can be accessed on <https://portal.office.com> while the Office 365 Personal or Home can be accessed on <https://account.microsoft.com/services>

So my answer is yes, a Microsoft account can have both Office 365 Business and Office 365 Home as long as it is a work email address that can be signed up as both Microsoft work email address and Microsoft personal email address.

I hope my suggestions help you. If you need further assistance please do reply back and I will respond as quickly as possible. Have a nice day.

Thanks,
Wilfred P.
Independent Advisor

Q567: Can one user account have more than one Microsoft 365 licenses?

Yes

No

Q568: Can we use SSO without Microsoft authenticator?

Yes

No



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[Enable single sign-on for applications by using Azure Active Directory - Training](#)

Enable users to sign in once to access all the applications they need.

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Next steps

This article provides you with information about the single sign-on (SSO) options that are available to you. It also outlines an introduction to planning a single sign-on deployment when using Azure Active Directory (Azure AD). Single sign-on is an authentication method that allows users to sign in using one set of credentials to multiple independent software systems. Using SSO means a user doesn't have to sign in to every application they use. With SSO, users can access all needed applications without being required to authenticate using different credentials. For a brief introduction, see [Azure Active Directory single sign-on](#).

Many applications already exist in Azure AD that you can use with SSO. You have several options for SSO depending on the needs of the application and how it's implemented. Take time to plan your SSO deployment before you create applications in Azure AD. The management of applications can be made easier by using the My Apps portal.

Single sign-on options

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Choosing an SSO method depends on how the application is configured for authentication. Cloud applications can use federation-based options, such as OpenID Connect, OAuth, and SAML. The application can also use password-based SSO, linked-based SSO, or SSO can be disabled.

- **Federation** - When you set up SSO to work between multiple identity providers, it's called federation. An SSO implementation based on federation protocols improves security, reliability, end-user experiences, and implementation.

With federated single sign-on, Azure AD authenticates the user to the application by using their Azure AD account. This method is supported for [SAML 2.0](#), [WS-Federation](#), or [OpenID Connect](#) applications. Federated SSO is the richest mode of SSO. Use federated SSO with Azure AD when an application supports it, instead of password-based SSO and Active Directory Federation Services (AD FS).

There are some scenarios where the SSO option isn't present for an enterprise application. If the application was registered using [App registrations](#) in the portal, then the single sign-on capability is configured to use OpenID Connect and OAuth by default. In this case, the single sign-on option won't appear in the navigation

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you can open single sign-on but won't be able to save.

- **Password** - On-premises applications can use a password-based method for SSO. This choice works when applications are configured for Application Proxy.

With password-based SSO, users sign in to the application with a username and password the first time they access it. After the first sign-on, Azure AD provides the username and password to the application. Password-based SSO enables secure application password storage and replay using a web browser extension or mobile app. This option uses the existing sign-in process provided by the application, enables an administrator to manage the

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Q569: Conditional access uses signals collected from a user during the signs-in process to decide to allow or deny access requests.

Yes

No



07:34

Q5 Conditional access uses signals collected from a user during the signs-in process to decide to allow or deny access requests.

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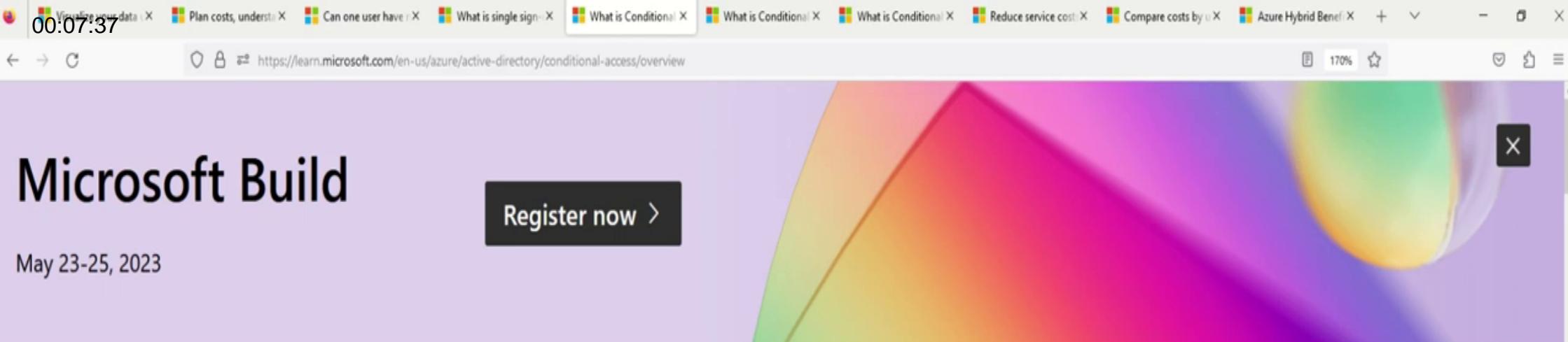
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100

Yes

No

ditional access is an Azure AD capability that lets you automate access controls based on certain user conditions. Conditional access policies are enforced after the first-factor authentication has been completed. It's not intended as a -line defense for scenarios like denial-of-service (DoS) attacks, but it uses signals from these events to determine access.



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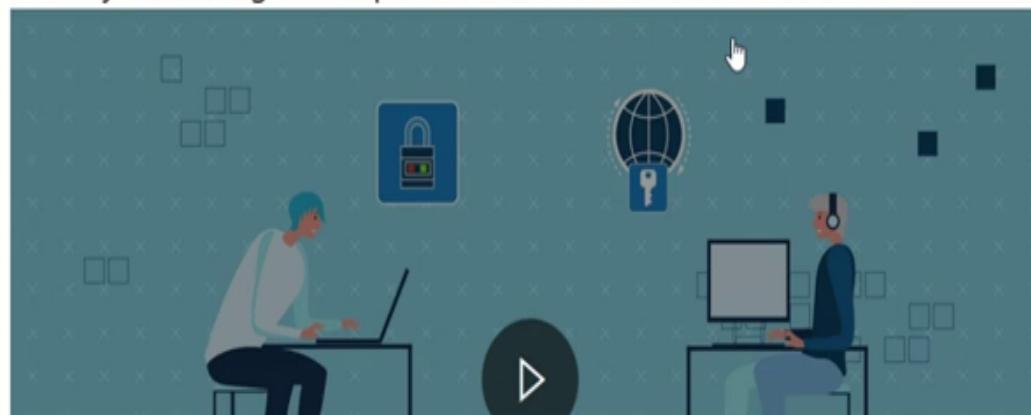
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Q570: Conditional Access brings signals together, to make decisions, and enforce organizational policies.

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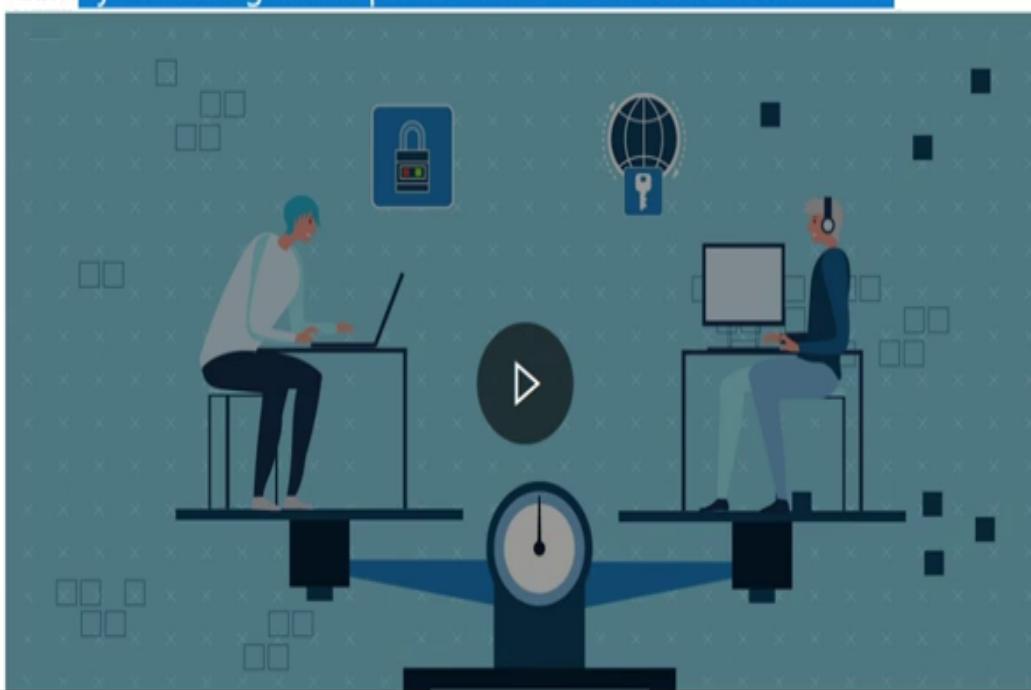
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Create a custom Conditional Access

Q570: Conditional Access brings signals together, to make decisions, and enforce organizational policies.

Yes

No



08:45

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Q5:

Your company is looking to build an authentication system.

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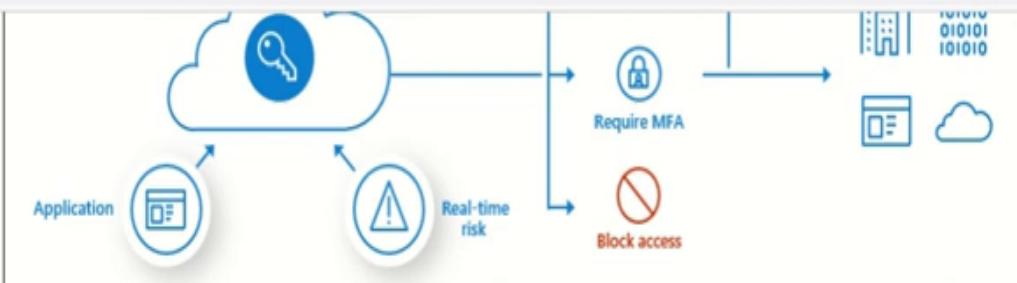
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Important

Conditional Access policies are enforced after first-factor authentication is completed. Conditional Access isn't intended to be an organization's first line of defense for scenarios like denial-of-service (DoS) attacks, but it can use signals from these events to determine access.

Common signals

Common signals that Conditional Access can take in to account when making a policy decision include the following signals:

- User or group membership

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Q571: Your company is looking to build an authentication system.

Solution: You recommend use of Conditional Access.

Does this meet the goal?

Yes

No

Q572: Conditional Access policies at their simplest are if-then statements.

Yes

No



Q573: What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

- a) Azure Security Center
- b) Azure Advisor
- c) Azure Service Health
- d) Azure Knowledge Center

Q573: What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

- a) Azure Security Center
- b) Azure Advisor
- c) Azure Service Health
- d) Azure Knowledge Center

Q574: What can you use to identify underutilized or unused Azure virtual machines?

- a) Azure Advisor
- b) Azure Cost Management + Billing
- c) Azure reservations
- d) Azure Policy





10:21

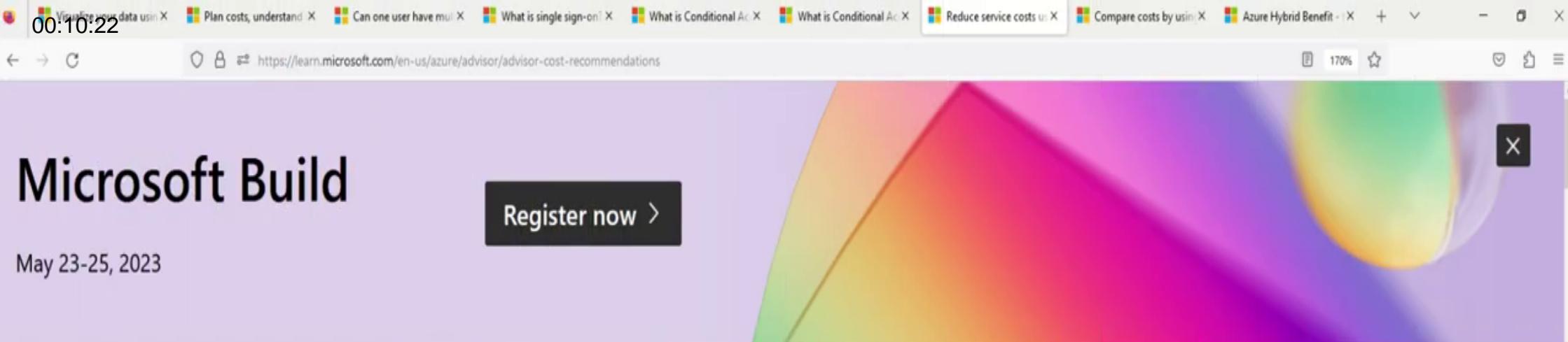
Q5:

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

- a) Microsoft Advisor
- b) Cost Management + Billing
- c) reservations
- d) Microsoft Policy

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





00:10:22

Visualize your data user X Plan costs, understand X Can one user have multi X What is single sign-on? X What is Conditional Access X Reduce service costs using X Compare costs by using X Azure Hybrid Benefit - X + - ×

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This tutorial helps you reduce Azure costs when you act on optimization recommendations.

Improve operational excellency with Advisor - Azure Advisor

Use Azure Advisor to optimize and mature your operational excellence for your Azure subscriptions.

Article • 04/14/2023 • 22 contributors

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In this article

Optimize virtual machine (VM) or virtual machine scale set (VMSS) spend by resizing or shutting down underutilized instances

Next steps

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

1. Sign in to the [Azure portal](#).
2. Search for and select [Advisor](#) from any page.
3. On the Advisor dashboard, select the **Cost** tab.

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Optimize virtual machine (VM) or virtual machine scale set (VMSS) spend by resizing or shutting down underutilized instances

Although certain application scenarios can result in low utilization by design, you can often save money by managing the size and number of your virtual machines or virtual machine scale sets.

Advisor uses machine-learning algorithms to identify low utilization and to identify the ideal recommendation to ensure optimal usage of virtual machines and virtual machine scale sets. The recommended actions are shut down or resize, specific to the resource being evaluated.

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Q574: What can you use to identify underutilized or unused Azure virtual machines?

- a) Azure Advisor
- b) Azure Cost Management + Billing
- c) Azure reservations
- d) Azure Policy

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





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Q575: You have an Azure subscription. You have 100 Azure virtual machines. You need to quickly identify underutilized virtual machines that can have their service tier changed to a less expensive offering. Which blade should you use?

- a) Metrics
- b) Customer insights
- c) Azure Monitor
- d) Azure Advisor

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Q576: Who can use the Azure Total Cost of Ownership (TCO) calculator?

- a) Billing readers for an Azure subscription only
- b) Owners for an Azure subscription only
- c) Any one
- d) All users who have an account in Azure Active Directory (Azure AD) that is linked to an Azure subscription only

You don't need an Azure subscription to work with the TCO Calculator.

Blackboard



running in the datacenter versus running on Azure.

What's the TCO Calculator?

The [TCO Calculator](#) helps you estimate the cost savings of operating your solution on Azure over time compared to operating in your on-premises datacenter.

The term *total cost of ownership* is used commonly in finance. It can be hard to see all the hidden costs related to operating a technology capability on-premises. Software licenses and hardware are additional costs.

With the TCO Calculator, you'll enter the details of your on-premises workloads. Then you can review the suggested industry-average cost (which you can adjust) for related operational costs. These costs include electricity, network maintenance, and IT labor. You're then presented with a side-by-side report. Using the report, you can compare those costs with the same workloads running on Azure.

The following image shows one example:

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The following image shows one example:

Total on-premises cost breakdown

In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.

Total Azure cost breakdown

In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.

Q577: You have an azure virtual machine named VM1. You plan to encrypt VM1 by using Azure Disk Encryption. Which Azure resource must you create first?

- a) An Azure Storage account
- b) An Azure Information Protection policy
- c) An Encryption Key
- d) An Azure Key Vault

Q578: You need to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription. What should you use?

- a) Azure Monitor
- b) Azure Service Health** •
- c) Azure Advisor
- d) Microsoft Trust Center

Q578: You need to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription. What should you use?

- a) Azure Monitor
- b) Azure Service Health**
- c) Azure Advisor
- d) Microsoft Trust Center

Azure Service Health provides a personalized view of the health of the Azure services and regions you're using.

This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories.



Q579: Your company has an Azure subscription that contains resources in several regions. You need to ensure that administrators can only create resources in those regions. What should you use?

- a) a read-only lock
- b) an Azure policy**
- c) a management group
- d) a reservation

Q580: Your company has a Software Assurance agreement that includes Microsoft SQL Server licenses. You plan to deploy SQL Server on Azure virtual machines. What should you do to minimize licensing costs for the deployment?

- a) Deallocate the virtual machines during off hours.
- b) Use Azure Hybrid Benefit.
- c) Configure Azure Cost Management budgets.
- d) Use Azure reservations

Azure Hybrid Benefit

Save on cost while optimizing your hybrid environment by applying your existing Windows Server, SQL Server licenses or Linux subscriptions to Azure Hybrid Benefit.

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Azure Hybrid Benefit is a licensing offer that helps you [migrate and save](#) to Azure. To apply this benefit you must be paying for either:

- Windows Server or SQL Server core licenses with [Software Assurance](#) or a subscription to these products.
- An active Linux subscription, including Red Hat Enterprise Linux or SUSE Linux Enterprise Server running in Azure.



Azure Hybrid Benefit

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Can one user have multi-plan? X What is single sign-on? X What is Conditional Access? X What is Conditional Access? X Reduce service costs using hybrid benefit X Compare costs by using hybrid benefit X Azure Hybrid Benefit - Overview

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By using Azure Hybrid Benefit, you can achieve cost savings, modernize and maintain your environment while optimizing business applications. Explore savings with the [Azure Hybrid Benefit Savings Calculator](#).

Microsoft

Azure Hybrid Benefit



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