



# Unlock your Azure Solution Designation for MCPP: 30-min Prep for the AZ-104 Exam

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- 17 January : Manage Identity and Governance
- 1 February : Implement and manage Storage
- 15 February : Deploy and manage Compute
- 1 March : Configure and manage Networking
- 15 March : Monitor and maintain Azure resources
- 29 March : Become an Expert Administrator

# Agenda

Exam tips

AZ-104 Practice Exam Questions.

Thank you & Questions

# Exam tips

## Exam tips

- Expect 40-60 Questions including 1 or 2 case studies.
- Each case study will have from 4-5 questions.
- Passing Score is 700.
- Exam time is 120 minutes.
- Read through the Microsoft Learn path for AZ-104 before the exam.
- Review all the Questions shared during this series (totally shared including today questions = 36)
- Review the resources we shared after each session including the whiteboards.
- Don't rush through the case studies. As you finish that section and move on to the multiple-choice, which is the bulk of the exam, keep an eye on the clock
- Manage your time. If you have 40 questions left and 45 minutes left, try not to spend more than a minute on each question. Pace yourself accordingly.

# AZ-104 Practice Exam Questions

# Case Studies

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

# Case Studies

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

# Case Studies

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

# Case Studies

To start the case study and to display the first question in this case study, click the **Next** button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as **business requirements**, **existing environment**, and **problem statements**. If the case study has **an All Information tab**, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the **Question** button to return to the question.

# Case Study

## Overview :

Litware, Inc. is a consulting company that has a main office in Montreal and two branch offices in Seattle and New York. The Montreal office has 2,000 employees. The Seattle office has 1,000 employees. The New York office has 200 employees. All the resources used by Litware are hosted on-premises. Litware creates a new Azure subscription. The Azure Active Directory (Azure AD) tenant uses a domain named `litware.onmicrosoft.com`. The tenant uses the Premium P1 pricing tier.

# Case Study

## Existing Environment :

The network contains an Active Directory forest named litware.com. All domain controllers are configured as DNS servers and host the litware.com DNS zone. Litware has finance, human resources, sales, research, and information technology departments. Each department has an organizational unit (OU) that contains all the accounts of that respective department. All the user accounts have the department attribute set to their respective department. New users are added frequently.

Litware.com contains a user named User1.

All the offices connect by using private connections.

Litware has data centers in the Montreal and Seattle offices. Each office has a firewall that can be configured as a VPN device.

All infrastructure servers are virtualized. The virtualization environment contains the servers in the following table.

Name	Role	Contains virtual machine
Server1	VMware vCenter server	VM1
Server2	Hyper-V host	VM2

Litware uses two web applications named App1 and App2. Each instance on each web application requires 1 GB of memory.

The Azure subscription contains the resources in the following table.

Name	Type
VNet1	Virtual network
VM3	Virtual machine
VM4	Virtual machine

The network security team implements several network security groups (NSGs)

# Case Study

Requirements :

Planned Changes :

Litware plans to implement the following changes:

- Deploy Azure ExpressRoute to the Montreal office.
- Migrate the virtual machines hosted on Server1 and Server2 to Azure.
- Synchronize on-premises Active Directory to Azure Active Directory (Azure AD).
- Migrate App1 and App2 to two Azure web apps named WebApp1 and WebApp2.

# Case Study

## Requirements :

### Technical Requirements :

Litware must meet the following technical requirements:

- Ensure that WebApp1 can adjust the number of instances automatically based on the load and can scale up to five instances.
- Ensure that VM3 can establish outbound connections over TCP port 8080 to the applications servers in the Montreal office.
- Ensure that routing information is exchanged automatically between Azure and the routers in the Montreal office.
- Enable Azure Multi-Factor Authentication (MFA) for the users in the finance department only.
- Ensure that webapp2.azurewebsites.net can be accessed by using the name app2.litware.com.
- Connect the New York office to VNet1 over the Internet by using an encrypted connection.
- Create a workflow to send an email message when the settings of VM4 are modified.
- Create a custom Azure role named Role1 that is based on the Reader role.
- Minimize costs whenever possible.

# Case Study

## Questions :

You need to meet the connection requirements for the New York office.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From the Azure portal:

- Create an ExpressRoute circuit only.
- Create a virtual network gateway only.
- Create a virtual network gateway and a local network gateway.
- Create an ExpressRoute circuit and an on-premises data gateway.
- Create a virtual network gateway and an on-premises data gateway.

In the New York office:

- Deploy ExpressRoute.
- Deploy a DirectAccess server.
- Implement a Web Application Proxy.
- Configure a site-to-site VPN connection.

# Case Study

## Questions :

You need to implement Role1.

Which command should you run before you create Role1? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

<input type="checkbox"/> Find-RoleCapability
<input type="checkbox"/> Get-AzureADDirectoryRole
<input type="checkbox"/> Get-AzRoleDefinition
<input type="checkbox"/> Get-AzResourceProvider

-Name "Reader" |

<input type="checkbox"/> ConvertFrom-Json
<input type="checkbox"/> ConvertFrom-String
<input type="checkbox"/> ConvertTo-Json
<input type="checkbox"/> ConvertTo-Xml

# Case Study

## Questions :

You need to recommend a solution to automate the configuration for the finance department users. The solution must meet the technical requirements. What should you include in the recommendation?

- A. Azure AD B2C
- B. dynamic groups and conditional access policies
- C. Azure AD Identity Protection
- D. an Azure logic app and the Microsoft Identity Management (MIM) client

# Case Study

## Questions :

You discover that VM3 does NOT meet the technical requirements.

You need to verify whether the issue relates to the NSGs.

What should you use?

- A. Diagram in VNet1
- B. Diagnostic settings in Azure Monitor
- C. Diagnose and solve problems in Traffic Manager profiles
- D. The security recommendations in Azure Advisor
- E. IP flow verify in Azure Network Watcher

# Case Study

## Questions :

You need to recommend a solution for WebApp1

- A. Create a Scale out App Service plan rule based on Manual Scale policy and set the fixed instance count to 5.
- B. Create a Scale out App Service plan rule based on custom autoscale policy, use Average CPU Percentage as the metric and configure maximum number of instances to 5.
- C. Create a Scale out App Service plan rule based on custom autoscale policy, use Average CPU Percentage as the metric and configure maximum number of instances to 5, create a Notify action to send email to administrators if the settings have changed
- D. Create a Scale out App Service plan rule based on Manual Scale policy and set the fixed instance count to 5, create a Notify action to send email to administrators if the settings have changed

Thank you!

# Resources

Learning	Exam
<p><b>Learning Resources</b></p> <ul style="list-style-type: none"><li>• <a href="#">Prerequisites for Azure Administrator</a></li><li>• <a href="#">Manage Identities and Governance in Azure</a></li><li>• <a href="#">Implement and manage Storage in Azure</a></li><li>• <a href="#">Deploy and manage Azure Compute resources</a></li><li>• <a href="#">Configure and manage virtual networks for Azure Administrator</a></li><li>• <a href="#">Monitor and back up Azure resources</a></li></ul>	<ul style="list-style-type: none"><li>• <a href="#">Exam AZ-104: Microsoft Azure Administrator</a></li><li>• <a href="#">The Journey to Certification</a></li><li>• <a href="#">Certification Poster</a></li></ul>
<p><b>AZ-104 Office Hours</b></p> <ul style="list-style-type: none"><li>• <a href="#">Office Hours Registration</a> home page for the AZ-104 office hours posts</li><li>• <a href="#">Session 1 Resources</a></li><li>• <a href="#">Session 1 Q&amp;A</a></li><li>• <a href="#">Session 2 Resources</a></li><li>• <a href="#">Session 2 Q&amp;A</a></li><li>• <a href="#">Session 3 Resources</a></li><li>• <a href="#">Session 3 Q&amp;A</a></li><li>• <a href="#">Session 4 Resources</a></li><li>• <a href="#">Session 5 Resources</a></li></ul>	