# Microsoft SC-5002 - Secure Azure Services and Workloads with Microsoft Defender for Cloud

| LENGTH | VERSION |
|--------|---------|
| **1 day** | **A** |

## MICROSOFT AZURE AT LUMIFY WORK

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**Microsoft**
Solutions Partner

Microsoft Cloud

Training Services

## WHY STUDY THIS COURSE

This one-day course guides you in securing Azure services and workloads using Microsoft Cloud Security Benchmark controls in Microsoft Defender for Cloud via the Azure portal.

Microsoft Applied Skills
For more than 30 years, Microsoft's industry-recognised certifications have provided proof of world-class technical proficiency for in-demand job roles. In today's ever-changing business environment, there are also times when you need verified project-specific skills. Microsoft Applied Skills is a new verifiable credential that validates that you have the targeted skills needed to implement critical projects aligned to business goals and objectives. Applied Skills gives you a new opportunity to put your skills center stage, empowering you to showcase what you can do and what you can bring to key projects in your organisation. Prepare for your Applied Skills credential with this one-day, instructor-led training course.

## WHAT YOU'LL LEARN

After completing this course, students will be able to:

> Learn how to create and configure NSGs (Network Security Groups) to enforce access controls for Azure resources

> Understand how to prioritise NSG rules and leverage Azure NSG flow logs for monitoring and troubleshooting

> Learn how to create and configure a Log Analytics workspace in Azure

> Gain insights into collecting and analysing security data from Microsoft Defender for Cloud within the Log Analytics workspace

> Understand how to create custom queries and alerts to proactively detect security threats and incidents

https://www.lumifywork.com/en-ph/courses/microsoft-sc-5002-secure-azure-services-and-workloads-with-microsoft-defender/

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> *My instructor was great being able to put scenarios into real world instances that related to my specific situation.*
>
> *I was made to feel welcome from the moment I arrived and the ability to sit as a group outside the classroom to discuss our situations and our goals was extremely valuable.*
>
> *I learnt a lot and felt it was important that my goals by attending this course were met.*
>
> *Great job Lumify Work team.*

**AMANDA NICOL**
**IT SUPPORT SERVICES MANAGER – HEALTH WORLD LIMITED**

> Understand the features and benefits of Microsoft Defender for Cloud, Microsoft Security Benchmark, Security Recommendations, and Defender for Cloud Secure Score.

> Learn how to leverage these tools to monitor, protect, and improve the security of cloud environments.

> Explore the MITRE Attack Matrix to identify common attack techniques and prioritise security efforts.

> Understand the concept of Brute Force Attacks and the importance of implementing preventive measures.

> Familiarise yourself with Just in Time Virtual Machine to implement fine-grained access controls for enhanced security.

> Learn how to configure and deploy the Log Analytics agent in Azure.

> Understand how to integrate the Log Analytics workspace with Defender for Cloud to collect and analyse security logs.

> Learn how to configure network access control for Azure Key Vault using virtual network service endpoints and private endpoints.

> Gain insights into configuring firewall rules and virtual network service endpoints to restrict access to Key Vault.

> Understand the process of configuring private endpoints to securely access Key Vault from virtual networks.

> Learn how to configure and create an Azure Private Endpoint for Azure SQL Server in the Azure portal.

> Gain insights into the network architecture and components involved in setting up an Azure Private Endpoint.

> Understand how to validate and test the connection between the Azure Private Endpoint and Azure SQL Server.

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## COURSE SUBJECTS

- Filter network traffic with a network security group using the Azure portal

- Create a Log Analytics workspace for Microsoft Defender for Cloud

- Set up Microsoft Defender for Cloud

- Configure and integrate a Log Analytics agent and workspace in Defender for Cloud

- Configure Azure Key Vault networking settings

- Connect an Azure SQL server using an Azure Private Endpoint using the Azure portal

### Lumify Work Customised Training

*We can also deliver and customise this training course for larger groups saving your organisation time, money and resources.*

*For more information, please contact us on 02 8286 9429.*

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## WHO IS THE COURSE FOR?

- Administrators

## PREREQUISITES

Students should be familiar with Azure infrastructure as a service (IaaS) and platform as a service (PaaS). They should also have experience with security capabilities in Azure.

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