**Practical Work Experience and Portfolio Building**

**Evidence Reporting Document**

* **Introduction**

*The main goal of this document is to keep track of the practical hands-on work experience and lab challenges you will complete throughout the program. By doing so, at the end of the program, you will have a great portfolio that you can use for evidence of your practical skills, and you can also come back for review whenever needed. This evidence is essential in the long run and keeps you on track with the time you will spend on your career upgrade process. These notes will also play a vital role in identifying the skills and tools to reflect on your marketing materials like your CV/resume or LinkedIn Page.*

* **General Details**

**Date: 17 May 2024**

**Your Name: LOK HIM TAM (Himson)**

**Email-address:** himsom0528@gmail.com

**Name of the Challenge:** Configure Security by Using the Azure Kubernetes Service (AKS) [Guided]

**Access Details (URL or source):** AZ500

**Details of the Challenge:**

In this lab I have working following exercise:

* Configured an Azure virtual machine for security.
  + Enable **Microsoft Defender for Cloud** for the **WinVM** virtual machine.
  + Connect to **WinVM** by using **RDP**
  + Verify that **Windows Defender Firewall** is enabled on **WinVM** for security.
* Enabled security recommendations.
  + I have added the Azure Automanage Machine Configuration extension for Windows on the WinVM virtual machine.
  + I have deleted the default-allow-3389 inbound security rule in the default-NSG network security group.
  + I have checked that RDP connections are no longer allowed for WinVM by receiving a connection error.
* Enabled Azure Disk Encryption.
  + I have created a key vault named with prefix KV.
  + I have enabled Azure Disk Encryption on the WinVM virtual machine.

**Lab Topology**

Create an Azure key vault by using the values in the following table. For any property that is not specified, use the default value.

| **Property** | **Value** |
| --- | --- |
| Resource group | **corp-data** |
| Key vault name | KV41229280 |
| Pricing tier | **Standard** |
| Permission model | **Azure role-based access control** |
| Enable access to | **Azure Disk Encryption for volume encryption** |

* **Challenge Details**

**Before starting the challenge:**

1. Be sure that the lab is in the scope of your niche.
2. You have enough time to solve the full lab or have a proper plan to solve a part of it and complete the remaining sections later.
3. Try to build a good learning environment with less distraction for at least 30 minutes to an hour.

**After completing the challenge:**

1. Were you able to finish the lab? Did you need extra time? Was the lab relevant to your expectations? Did you need additional help to solve the lab?

* Yes I am able to finish the lab within 45 mins. It is relevant to my expectations. And I can finish it without additional help.

1. Write down your learning outcomes, skills you developed or improved and the tools you used in this challenge.

*(You may use the keywords listed in the lab details or add your own skills that you think you acquired.)*

* I have learnt how to configure an Azure virtual machine for security by Enabling **Microsoft Defender for Cloud** for the **WinVM** virtual machine.
  + I have learnt how to enable **Windows Defender Firewall** in **WinVM** for security.
* I have learnt how to enabled security recommendations.
  + I have added the Azure Automanage Machine Configuration extension for Windows on the WinVM virtual machine.
  + I have deleted the default-allow-3389 inbound security rule in the default-NSG network security group.
  + I have checked that RDP connections are no longer allowed for WinVM by receiving a connection error.
* I have learnt how to enabled Azure Disk Encryption.
  + I have created a key vault named with prefix KV.
  + I have enabled Azure Disk Encryption on the WinVM virtual machine.

1. Prepare a self-reflection and reporting video using any screen recording tool (like Loom) and share the link.

*(The report may include but is not limited to your thoughts about the problem solved, difficulties encountered, any notes to discuss with your peers, anything to ask the mentors and last but not least how it may help you in your ideal job. Please prepare the summary in a way that you are presenting this to your managers and colleagues in your ideal workplace)*

**URL:**

[**https://www.loom.com/share/de5c33bd564245b8b7a06315777060a3?sid=3fab4f59-0e44-4386-a225-419bdd74eb20**](https://www.loom.com/share/de5c33bd564245b8b7a06315777060a3?sid=3fab4f59-0e44-4386-a225-419bdd74eb20)