**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)**

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**Name of the Challenge:** Implement Security for an Azure Web App [Guided]

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

**Details of the Challenge:**

In this lab I have working following exercise:

* Created an Azure web app.
  + Create a Web App
  + Display the default home page for **MyWebApp-41230784**, verify that the web app is up and running, and then close the **Microsoft Azure App Service** browser window.
  + I created a web app that uses an S1 Windows plan.
* Deployed code from a public GitHub repository.
  + Create **FTPS credentials**
  + Configure **MyWebApp-41230784** to deploy and build code from an **External Git** repository
  + I created FTPS credentials.
  + I configured the WebApp to use an external Git repository.
* Configured Microsoft Entra authentication for a web app.
  + Implement **Microsoft Entra** authentication,
  + Assign the Managed Applications Reader role to User-41230784@cloudslice.onmicrosoft.com to allow the user to access MyWebApp-41230784.
  + I configured Microsoft Entra authentication for the WebApp.
  + I assigned the Managed Applications Reader role to allow the User to access the WebApp.
* Integrated a web app with a VNet.
  + Create a virtual network
  + Integrate **MyWebApp-41230784** with the **VNET-41230784** virtual network by using the **default** subnet.
  + I created a virtual network.
  + I integrated the WebApp with VNET.

**Lab Topology**

Create a Web App by using the values in the following table.

| **Property** | **Value** |
| --- | --- |
| Resource Group | **RG1lod41230784** |
| Name | MyWebApp-41230784 |
| Runtime stack | **ASP.NET V4.8** or the most recent version not in preview |
| Operating System | **Windows** |
| Region | **East US** |
| Windows Plan (East US) | **Create new** AppPlan1 |
| Sku and size | **Standard S1** |
| Basic authentication | **Enable** |

* **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 created an Azure web app.
* I have how to deployed code from a public GitHub repository by using **FTPS credentials**
* I have learnt how to configure **MyWebApp-41230784** to deploy and build code from an **External Git** repository
* I have learnt how to configured Microsoft Entra authentication for a web app by implementing **Microsoft Entra** authentication,
  + I configured Microsoft Entra authentication for the WebApp.
  + I assigned the Managed Applications Reader role to allow the User to access the WebApp.
* I have learnt how to integrated a web app with a VNet by creating a virtual network
  + I created a virtual network.
  + I integrated the WebApp with VNET.

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/d25ec11b48cd454d8fd5fa9d4b288cbc?sid=5cf413c1-b992-4915-9d07-a7e0c2a76ec0**](https://www.loom.com/share/d25ec11b48cd454d8fd5fa9d4b288cbc?sid=5cf413c1-b992-4915-9d07-a7e0c2a76ec0)