**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: 14 May 2024**

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

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

**Name of the Challenge:** Configure Authentication for an Azure Web App [Guided]

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

**Details of the Challenge:**

In this lab I have working following exercise:

* Create an Azure web app
  + I use an Azure [App Service](https://learn.microsoft.com/en-us/azure/app-service/overview) web app to host your website in the cloud in a fully managed environment. An [App Service plan](https://learn.microsoft.com/en-us/azure/app-service/overview-hosting-plans) defines the capacity and scalability of the web servers that support your website.
  + Enable **Application Insights**
  + Apply monitoring settings
* Deploy sample application code
  + Apply **External Git** code in azure **Deployment Center** for deploying ASP.NET Application
* Enable authentication by using Microsoft Entra ID
  + Configure Microsoft Entra ID for the web app by using **Microsoft** as the identity provider
  + I can configure [Azure App Service authentication](https://learn.microsoft.com/en-us/azure/app-service/configure-authentication-provider-aad?tabs=workforce-tenant) to define your application authentication requirements by using Microsoft Entra ID as your authentication provider.

**Lab Topology**

 Azure Web App Details:

| **Property** | **Value** |
| --- | --- |
| Resource Group | **corp-datalod40644088** |
| Name | wa40644088 |
| Publish | **Code** |
| Runtime stack | **ASP.NET V4.8** or the latest version that is not preview or early access |
| Region | **East US** |
| Windows Plan (East US) | AppPlan1 |
| Pricing plan | **Standard S1** |
| Enable Application Insights | **No** |

sample application code Details:

| **Property** | **Value** |
| --- | --- |
| Source | **External Git** |
| Repository | https://github.com/LODSContent/LODSOC\_app-service-web-dotnet-get-started |
| Branch | main |
| Repository Type | **Public** |

* **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 learn how to Create an Azure web app
  + - I use an Azure [App Service](https://learn.microsoft.com/en-us/azure/app-service/overview) web app to host your website in the cloud in a fully managed environment. An [App Service plan](https://learn.microsoft.com/en-us/azure/app-service/overview-hosting-plans) defines the capacity and scalability of the web servers that support your website.
    - I Enabled **Application Insights and applied monitoring settings when create web app in azure**
  + I deployed sample application ASP.NET code
    - I Applied **External Git** code in azure **Deployment Center** for deploying ASP.NET Application
  + I enabled authentication by using Microsoft Entra ID
    - I configured Microsoft Entra ID for the web app by using **Microsoft** as the identity provider
    - I can configure [Azure App Service authentication](https://learn.microsoft.com/en-us/azure/app-service/configure-authentication-provider-aad?tabs=workforce-tenant) to define your application authentication requirements by using Microsoft Entra ID as your authentication provider.

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/8677917520c7422c9a363793432f698d?sid=b81b8c86-f92e-44f8-9e7b-c17c5f9be259**](https://www.loom.com/share/8677917520c7422c9a363793432f698d?sid=b81b8c86-f92e-44f8-9e7b-c17c5f9be259)