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Section – 7B
LAB:04

04 - Create a Web App (10 min)

In this walkthrough, we will create a web app that runs a Docker container. The Docker container contains a Welcome message.

Azure App Service are actually a collection of four services, all of which are built to help you host and run web applications. The four services (Web Apps, Mobile Apps, API Apps, and Logic Apps) look different, but in the end they all operate in very similar ways. Web Apps are the most commonly used of the four services, and this is the service that we will be using in this lab.

Task 1: Create a Web App

In this task, you will create an Azure App Service Web App.

1. Sign-in to the [Azure portal](#).
2. From the **All services** blade, search for and select **App Services**, and click **+ Add**, **+ Create**, **+ New**
3. On the **Basics** tab of the **Web App** blade, specify the following settings (replace **xxxx** in the name of the web app with letters and digits such that the name is globally unique). Leave the defaults for everything else, including the App Service Plan.

Setting	Value
Subscription	Use default supplied
Resource Group	Create new resource group
Name	myDockerWebAppxxxx
Publish	Docker Container
Operating System	Linux
Region	East US

4. **Note:** Remember to change the **xxxx** so that your Web App name is unique.
5. Click **Next > Docker** and configure the container information.

Setting	Value
Options	Single container
Image Source	Docker Hub
Access Type	Public
Image and tag	mcr.microsoft.com/azuredocs/aci-helloworld

Note: The startup command is optional and not needed in this exercise.

1. Click **Review + create**, and then click **Create**.

The screenshot shows the Microsoft Azure portal interface. At the top, the title bar reads "Microsoft Azure" and "bsse2280168@szabist.pk DEFAULT DIRECTORY". The main content area displays the "Overview" blade for a deployment named "Microsoft.Web-WebApp-Portal-ab0119d1-88b6". A green checkmark icon indicates "Your deployment is complete". Deployment details are listed: Deployment name: Microsoft.Web-WebApp-Portal-ab011... Start time: 11/7/2025, 4:02:12 AM; Subscription: Azure for Students; Correlation ID: e25cb2a0-07c3-4848-8c28-988ed4aa2...; Resource group: CloudComputing. Below this, there are sections for "Deployment details" and "Next steps", with a "Go to resource" button. On the right side, a sidebar shows a summary of the deployment status: "Dep 88b suc" with a green checkmark, and a circular profile picture for the user "bsse2280168@szabist.pk". Other options in the sidebar include "My Microsoft account", "Switch directory", "Sign in with a different account", "Set up cost alerts", and links to "Microsoft Defender for Cloud" and "Free Microsoft tutorials".

2.
3.

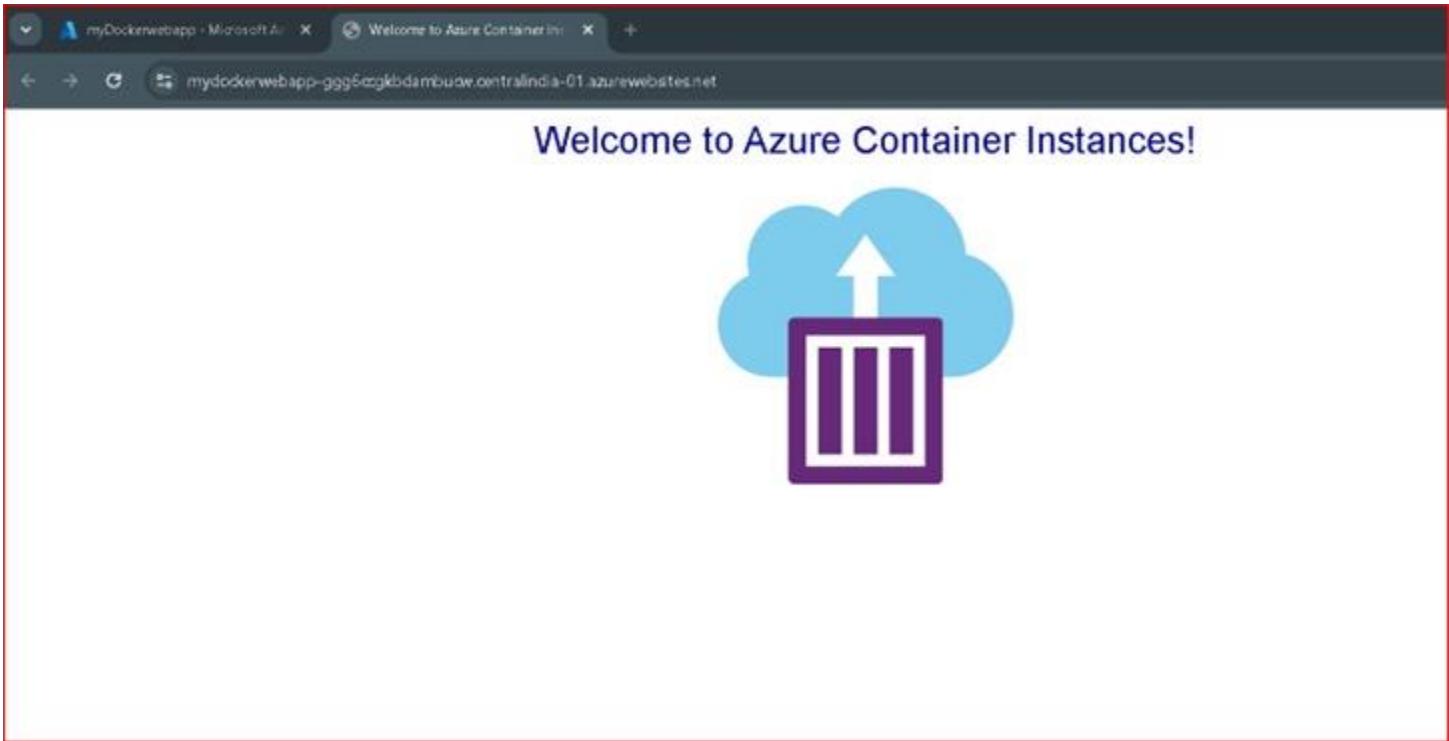
Task 2: Test the Web App

In this task, we will test the web app.

1. Wait for the Web App to deploy.

2. From **Notifications** click **Go to resource**.
3. On the **Overview** blade, locate the **URL**. Copy the URL to the clipboard.

4. In a new browser window, paste the URL and press enter. The Welcome to Azure Container Instances! Welcome message will be displayed.



Note: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.

Congratulations you successfully created an Azure App Service.