Imagen que contiene Diagrama

Descripción generada automáticamente

**Lab 09b - Implement Azure Container Instances**

**Student lab manual**

**Lab scenario**

Contoso wants to find a new platform for its virtualized workloads. You identified a number of container images that can be leveraged to accomplish this objective. Since you want to minimize container management, you plan to evaluate the use of Azure Container Instances for deployment of Docker images.

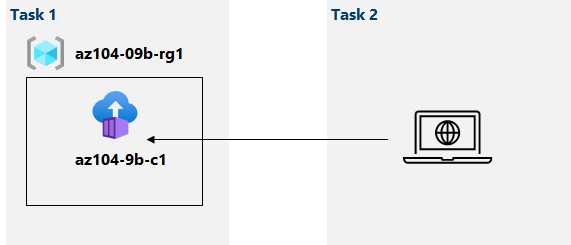
**Objectives**

In this lab, you will:

* Task 1: Deploy a Docker image by using the Azure Container Instance
* Task 2: Review the functionality of the Azure Container Instance

**Estimated timing: 20 minutes**

**Architecture diagram**

[](https://github.com/MicrosoftLearning/AZ-104-MicrosoftAzureAdministrator/blob/master/Instructions/media/lab09b.png)

**Instructions**

**Exercise 1**

**Task 1: Deploy a Docker image by using the Azure Container Instance**

In this task, you will create a new container instance for the web application.

1. Sign in to the [Azure portal](https://portal.azure.com/).

Interfaz de usuario gráfica, Texto, Aplicación

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1. In the Azure portal, search for locate **Container instances** and then, on the **Container instances** blade, click **+ Create**.

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1. On the **Basics** tab of the **Create container instance** blade, specify the following settings (leave others with their default values):

| **Setting** | **Value** |
| --- | --- |
| Subscription | the name of the Azure subscription you are using in this lab |
| Resource group | the name of a new resource group **az104-09b-rg1** |
| Container name | **az104-9b-c1** |
| Region | **West Europe** |
| Image Source | **Quickstart images** |
| Image | **mcr.microsoft.com/azuredocs/aci-helloworld:latest (Linux)** |

Escala de tiempo

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1. Click **Next: Networking >** and, on the **Networking** tab of the **Create container instance** blade, specify the following settings (leave others with their default values):

| **Setting** | **Value** |
| --- | --- |
| DNS name label | any valid, globally unique DNS host name |

1. **Note**: Your container will be publicly reachable at dns-name-label.region.azurecontainer.io. If you receive a **DNS name label not available** error message, specify a different value.

Interfaz de usuario gráfica, Texto, Aplicación, Chat o mensaje de texto

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1. Click **Next: Advanced >**, review the settings on the **Advanced** tab of the **Create container instance** blade without making any changes, click **Review + Create**, ensure that the validation passed and click **Create**.

**Note**: Wait for the deployment to complete. This should take about 3 minutes.

**Note**: While you wait, you may be interested in viewing the [code behind the sample application](https://github.com/Azure-Samples/aci-helloworld). To view it, browse the \app folder.

Interfaz de usuario gráfica, Aplicación

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**Task 2: Review the functionality of the Azure Container Instance**

In this task, you will review the deployment of the container instance.

1. On the deployment blade, click the **Go to resource** link.

Interfaz de usuario gráfica

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1. On the **Overview** blade of the container instance, verify that **Status** is reported as **Running**.

Texto

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1. Copy the value of the container instance **FQDN**, open a new browser tab, and navigate to the corresponding URL.
2. Verify that the **Welcome to Azure Container Instance** page is displayed.

Icono

Descripción generada automáticamente con confianza media

1. Close the new browser tab, back in the Azure portal, in the **Settings** section of the container instance blade, click **Containers**, and then click **Logs**.

Interfaz de usuario gráfica, Texto, Aplicación

Descripción generada automáticamente

1. Interfaz de usuario gráfica, Texto, Aplicación, Chat o mensaje de texto

   Descripción generada automáticamenteVerify that you see the log entries representing the HTTP GET request generated by displaying the application in the browser.

**Clean up resources**

**Note**: Remember to remove any newly created Azure resources that you no longer use. Removing unused resources ensures you will not see unexpected charges.

1. In the Azure portal, open the **PowerShell** session within the **Cloud Shell** pane.
2. List all resource groups created throughout the labs of this module by running the following command:

Get-AzResourceGroup -Name 'az104-09b\*'

1. Delete all resource groups you created throughout the labs of this module by running the following command:

Interfaz de usuario gráfica

Descripción generada automáticamenteGet-AzResourceGroup -Name 'az104-09b\*' | Remove-AzResourceGroup -Force -AsJob

**Note**: The command executes asynchronously (as determined by the -AsJob parameter), so while you will be able to run another PowerShell command immediately afterwards within the same PowerShell session, it will take a few minutes before the resource groups are actually removed.

**Review**

In this lab, you have:

* Deployed a Docker image by using the Azure Container Instance
* Reviewed the functionality of the Azure Container Instance