Deploy Azure Container Instances (ACI) in Azure Portal

Use Case:

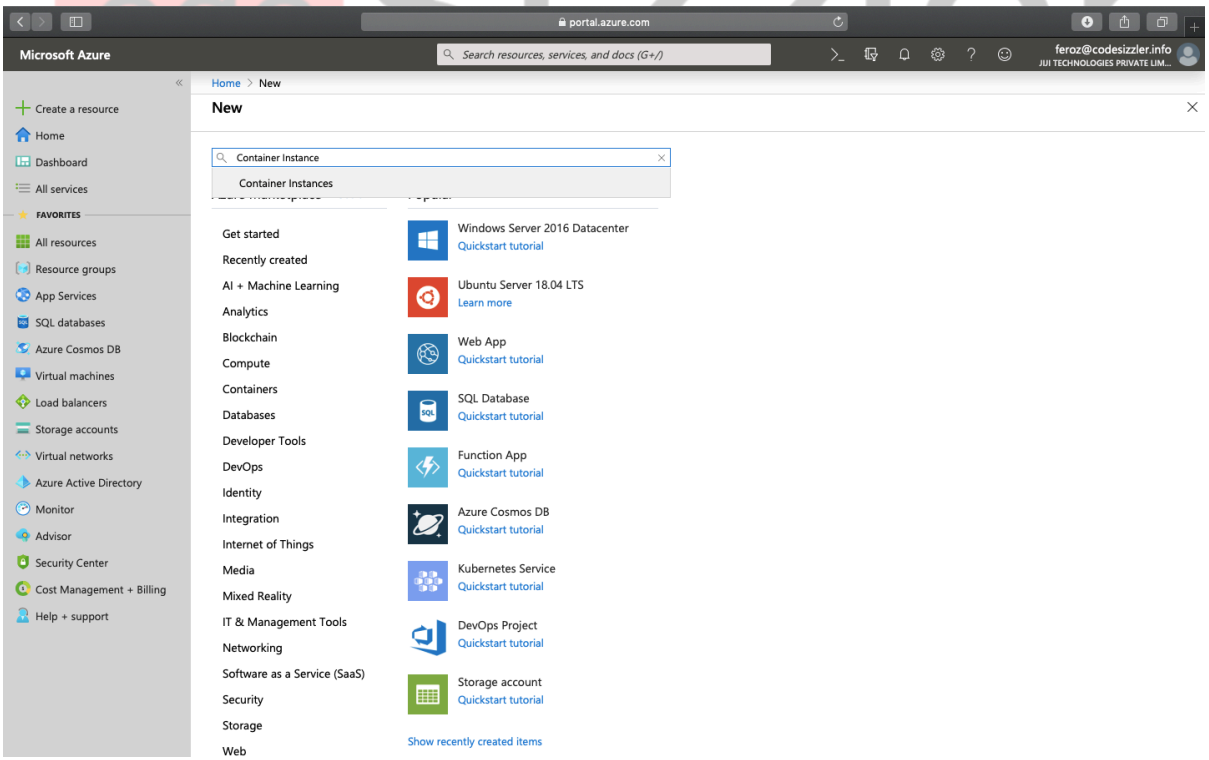
In this walkthrough, you will create, configure, and deploy a Docker container to **Azure Container Instances** (ACI) in Azure Portal. The container is created from an image template called *microsoft/aci-helloworld*. The image packages a small web application, written in Node.js, and serves a static HTML page.

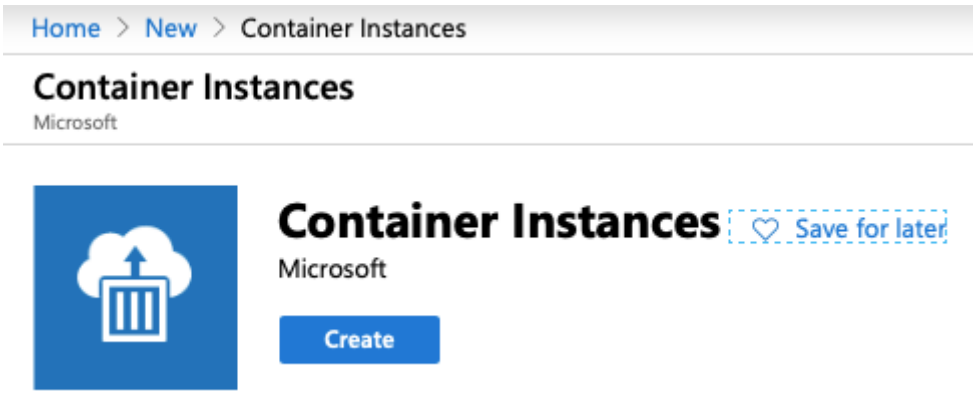
Prerequisites:

An active Azure subscription is required. If you do not have an Azure subscription, create a free Azure account before you begin.

Steps:

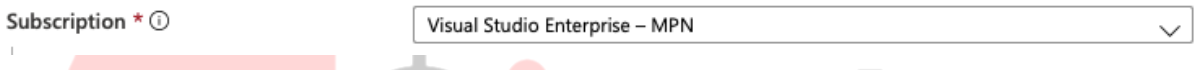
1. Create a new Azure Container Instance, sign in to the Azure Portal and locate the Azure Container Instance service, then select **Create**, or alternatively, click on the **Deploy to Azure** button to go to the url https://portal.azure.com/#create/microsoft.containerinstances and when prompted, sign into Azure Portal.



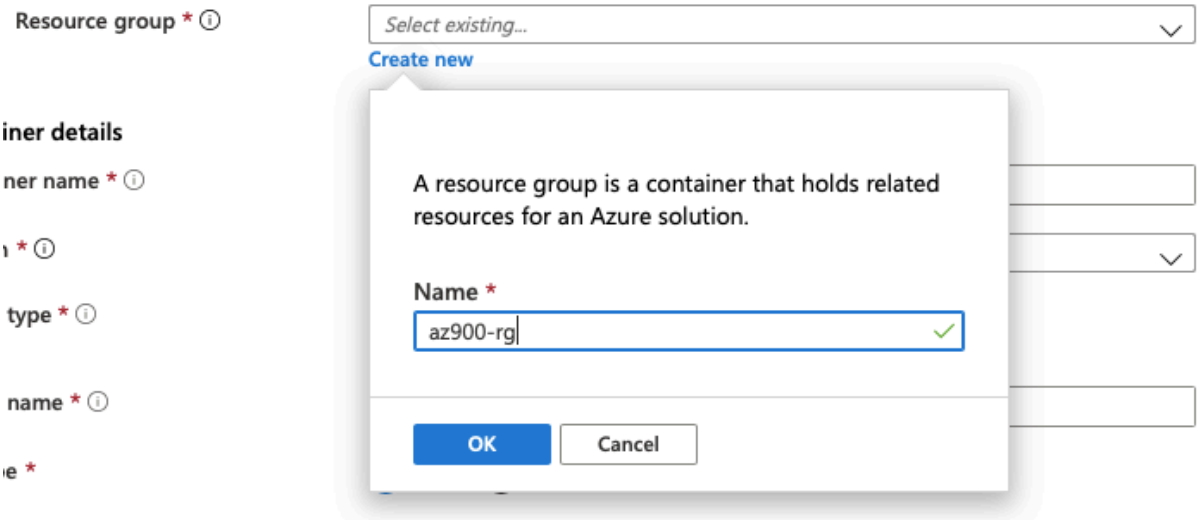


2. Provide the following basic details for the new container instance. The UI you encounter may be slightly different compared to the screenshots in this walkthrough, depending on if you accessed the Create New Container Instance via the Azure portal or via the Deploy to Azure button above, however the details provided will be the same.

- **Subscription**: Choose your subscription.



- **Resource group**: Select **Create new**, then type myResourceGroup, and select **OK**.



- **Location**: Use the dropdown to choose the Azure region that is closest to you.

- **Container name**: codesizzleraci

- **Container image type**: Public

- **Container image**: microsoft/aci-helloworld

- **OS type:** Select the OS platform on which you want to run the container instance(Wibdows)

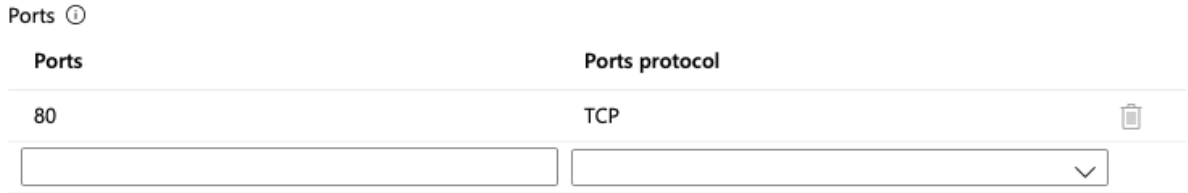
- **Size:** Select the size for your container instance

- Press the **OK** button.

3. Networking:

- Include Public IP Address – Select the option for adding a public IP address(Yes)

- Ports – Port address can be added for container instance if needed

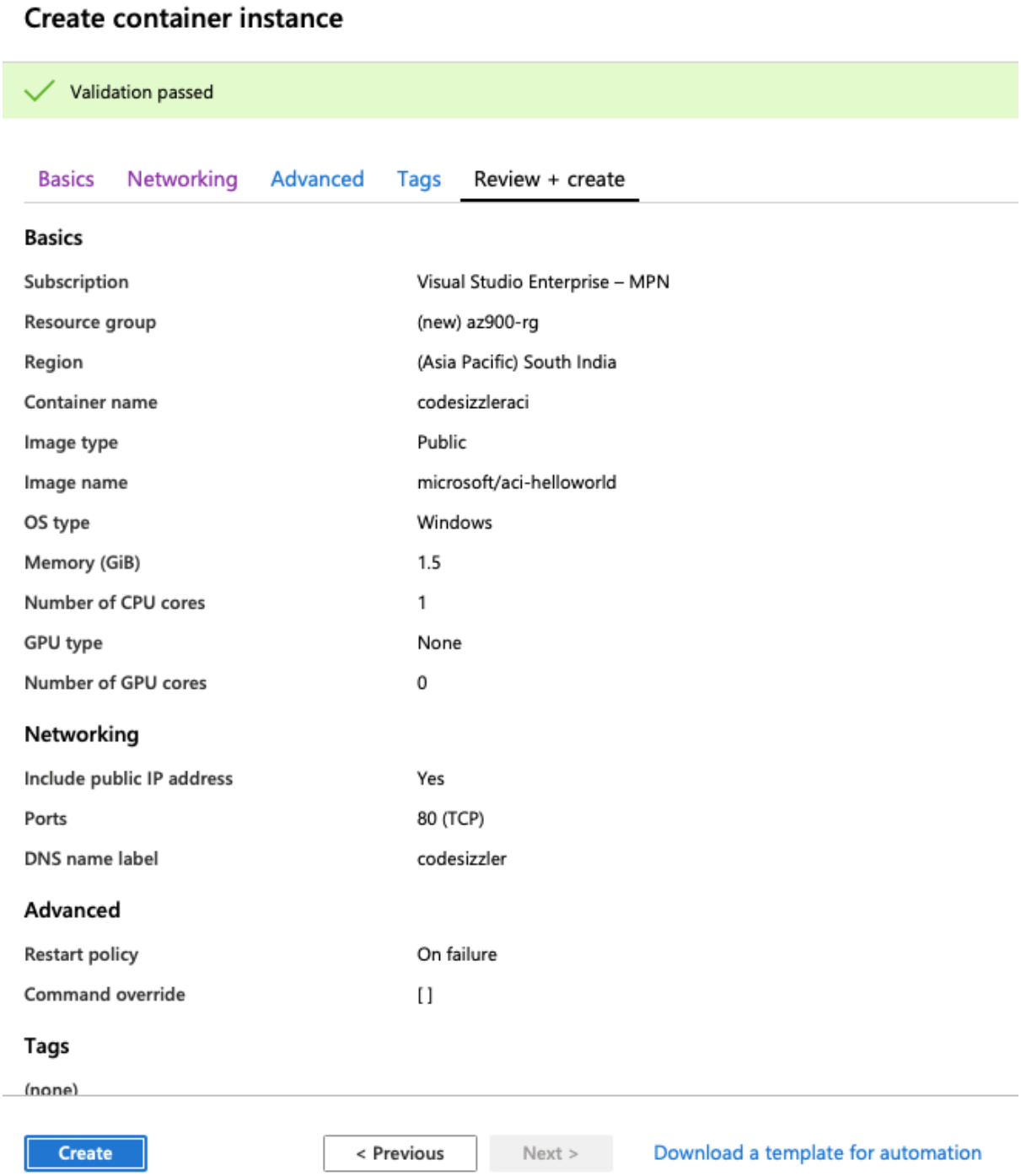


- DNS name label – Specify a DNS name label for your container. The DNS name label you specify must be unique within the Azure region where you create the container instance. Your container will be publicly reachable at http://<dns-name-label>.<region>.azurecontainer.io. If you receive a DNS name label not available error message, specify a different DNS name label.

- Leave all other settings in the **Configuration** pane at their default values.

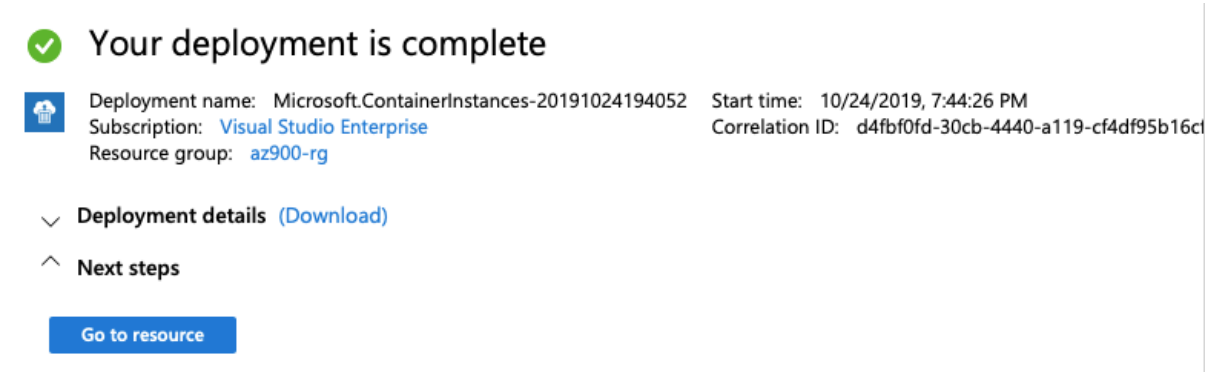
- Select **Review + Create** to start the automatic validation process.

4. When the validation process has passed, review the configuration summary, and select the **OK** button to begin deploying the container.

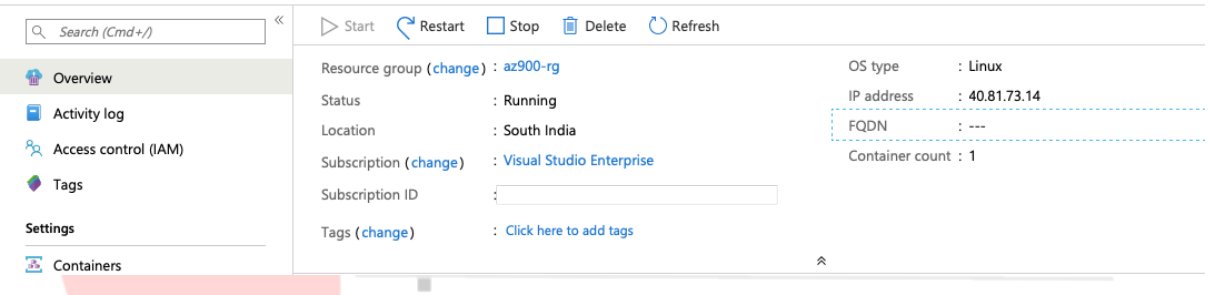


5. When the deployment starts, a notification appears in Azure Portal indicating the deployment is in progress. Another notification is displayed when the container

deployment has completed successfully. Wait for the deployment succeeded notification before going to Step 6.



6. Obtain the Fully Qualified Domain Name (FQDN), in Azure Portal, by opening the **Overview** pane for the container group and navigating to **Resource Groups** > **myResourceGroup** > **mycontainer**. Make a note of the **FQDN** of the container instance, as well its **Status**.



7. When the Status value of the container instance is Running, navigate to the container's FQDN in a web browser.

Note: You can also navigate to the container's IP address in your browser. You can obtain the IP address by following Step 6, and making a note of the IP address instead of the FQDN.