**Lesson 8 Demo 4**

**Expose a Deployment as a Service**

**Objectives:** To expose a deployment as a service

**Tools required:** Azure Kubernetes Service and Azure Cloud Shell

**Prerequisites:** Perform **Lesson 8 Demo 2** to create **second-deployment**

**Steps to be followed:**

1. Connecting Azure cloud shell to the Kubernetes cluster
2. Exposing a deployment as a service

**Step 1: Connecting Azure cloud shell to the Kubernetes cluster**

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| **Note:** Follow **Step 3.6** to **Step 3.8** of **Lesson 8 Demo 2,** to connect SL-Cluster with Cloud Shell |

**Step 2: Exposing a deployment as a service**

1. Navigate to the **bash** screen and run the following command to expose **second-deploymen**t as a service:

***kubectl expose deployment/second-deployment \***

***--type=LoadBalancer --name=nginx-service -n first-namespace***

1. Check the newly exposed service by executing the below command:

***kubectl get svc -n first-namespace  
  
A screenshot of a computer

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| **Note:** Notice that the service **Type** is set as **LoadBalancer** so that it can be accessed through an **external IP.** |

1. Now navigate to the **services and ingresses** section in the **SL-Cluster** and click on the **refresh** button to list the newly created **nginx-service.**  
     
   Graphical user interface, application

   Description automatically generated
2. Click on the **nginx-service** to go to the service **overview** and click on the **external IP** of the service to access the Nginx application.  
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3. Clicking on the external IP will navigate you to the Nginx application.  
     
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