**Lesson 8 Demo 10**

**Install NGINX Ingress Controller Using Helm**

**Objective:** Learn to install the NGINX Ingress Controller on a Kubernetes cluster using Helm

**Tools required:** Helm and kubectl

**Prerequisites:** An AKS cluster should be deployed

Steps to be followed:

1. Verifying the Helm version
2. Installing the NGINX Ingress Controller using Helm
3. Validating the NGINX Ingress Controller

**Step 1: Verifying the Helm version**

1. Helm is already installed on AKS so use the following command to verify if you have Helm 3 installed:

**helm version**

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**Step 2: Installing the** **NGINX ingress controller using Helm**

1. Add the **nginx-stable** repository to Helm using the following command:

**helm** **repo add nginx-stable** [**https://helm.nginx.com/stable**](https://helm.nginx.com/stable)

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1. Update the repository using the following command:

**helm repo update**

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1. Install the NGINX Ingress Controller using the following command:

**helm install nginx-ingress nginx-stable/nginx-ingress --set rbac.create=true**

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**Step 3: Validating the NGINX Ingress Controller**

1. To check if the NGINX Ingress Controller is running, run the following commands:

**kubectl get pods --all-namespaces -l app=nginx-ingress-nginx-ingress**

**kubectl get services nginx-ingress-nginx-ingress**

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