**Lab 2:**

**Step 1: Install and Configure Ingress Controller**

1. Install an Ingress Controller such as Nginx Ingress or Traefik in your Kubernetes cluster.

We need to install Helm to install Nginx Ingress, which is the Kubernetes package manager

A screen shot of a computer code

Description automatically generated with low confidence

After installing Helm we want to run the following commands to install ingress

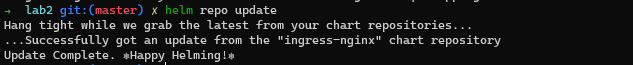
1st we want to create a namespace:



2nd we want to add the ingress-nginx to the local repository:



3rd we want to update our local repository:



Finally, we will install ingress-nginx in our newly created namespace:

A screenshot of a computer

Description automatically generated with medium confidence

Check that the Ingress controller pods are running:

A screenshot of a computer program

Description automatically generated with medium confidence

1. Configure the Ingress Controller to handle incoming HTTP/HTTPS traffic and route it to the appropriate services.

In the below script the traffic flow will be divided between the paths **/v1** and **/v2**.

Each path when pinged will redirect the traffic flow to the application associated with it.

A screen shot of a computer program

Description automatically generated with medium confidence