**Lesson 3 Demo 5**

**Working with kubeadm**

**Objective:** To work with kubeadm

**Tools required:** kubeadm

**Prerequisites:** A Kubernetes cluster should be set up (follow steps of Lesson 2 Demo 1)

**Note 1:** Assisted Practice is based on Kubernetes version 1.23

**Note 2:** Make sure you have executed **sudo kubeadm reset** on all machines, which will clean up the entire cluster.

Steps to be followed:

1. Generating tokens for kubeadm
2. Managing Kubernetes certificates
3. Viewing the configuration details

**Step 1: Generating tokens for kubeadm**

1. Write the following command to generate the token:

**kubeadm token generate**

**Graphical user interface, text

Description automatically generated**

**Step 2: Managing Kubernetes certificates**

1. Write the following command to check the expiration of the certificates:

**sudo kubeadm certs check-expiration**

Graphical user interface, text

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1. Write the following command to generate a new certificate key:

**kubeadm certs certificate-key**

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**Step 3: Viewing the configuration details**

1. Write the following command to view the configuration details:

**kubeadm config print init-defaults**

Text

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