**Lesson 9 Demo 7**

**Events**

**Objective:** To create Nginx Deployment and check events

**Tools required:** kubeadm, kubectl, kubelet, and etcd

**Prerequisites:** Refer to Lesson 2 Demo 1 and Lesson 8; Demo 1 and 2

Steps to be followed:

1. Writing the code in the ngnix.yaml file to create Nginx Deployment
2. Creating a Deployment for Nginx using the mentioned command
3. Verify Deployments and Pods
4. Checking all events
5. Checking events of Nginx

**Step 1: Writing the code in the ngnix.yaml file to create Nginx Deployment**

**vi nginx.yaml**

**apiVersion: apps/v1**

**kind: Deployment**

**metadata:**

**creationTimestamp: null**

**labels:**

**app: nginx**

**name: nginx**

**spec:**

**replicas: 1**

**selector:**

**matchLabels:**

**app: nginx**

**strategy: {}**

**template:**

**metadata:**

**creationTimestamp: null**

**labels:**

**app: nginx**

**spec:**

**containers:**

**- image: nginx**

**name: nginx**

**resources: {}**

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**Step 2: Creating a Deployment for Nginx using the mentioned command**

***kubectl create -f nginx.yaml***

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**Step 3: Verify Deployments and Pods**

**kubectl get deployments**

**kubectl get pods**

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**Step 4: Checking all the events**

***kubectl get events***

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**Step 5: Checking the events of Nginx**

***kubectl get events | grep -i nginx***

Graphical user interface

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