A close up of a logo

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**Lesson 7 Demo 6**

**Understanding the Working of Dynamic Volume Provisioning**



Steps to be followed:

1. Enabling dynamic provisioning in storage class
2. Using dynamic provisioning in Persistent Volume Claim

**Step 1: Enabling dynamic provisioning in the storage class**

* 1. Create the configuration file using the ***vi fast-sc.yaml*** command and add the following code in the file:

***apiVersion: storage.k8s.io/v1***

***kind: StorageClass***

***metadata:***

***name: fast***

***provisioner: kubernetes.io/gce-pd***

***parameters:***

***type: pd-ssd***

* 1. Create the resource using the following command:

***kubectl apply -f fast-sc.yaml***

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* 1. View the volume snapshot classes using the below command:

***kubectl get sc***

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**Step 2: Using dynamic provisioning in Persistent Volume Claim**

1. Create a Persistent Volume Claim configuration using the ***vi dyanamic-provisioning.yaml*** command and add the following code:

***apiVersion: v1***

***kind: PersistentVolumeClaim***

***metadata:***

***name: claim1***

***spec:***

***accessModes:***

***- ReadWriteOnce***

***storageClassName: fast***

***resources:***

***requests:***

***storage: 30Gi***

1. Create the resource using the following command:

***kubectl apply -f dyanamic-provisioning.yaml***



1. View the Provisioning Value Claim using the below command:

***kubectl get pvc***

