

# Module-8: Container Orchestration using Kubernetes Part - I

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## DEMO-3: Deploying a DaemonSet

### Using DaemonSets

1. Create a new YAML file to create a Daemon set

```
apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: httpd
spec:
  template:
    metadata:
      labels:
        app: httpd
    spec:
      containers:
        - name: httpd
          image: httpd
          ports:
            - containerPort: 80
```

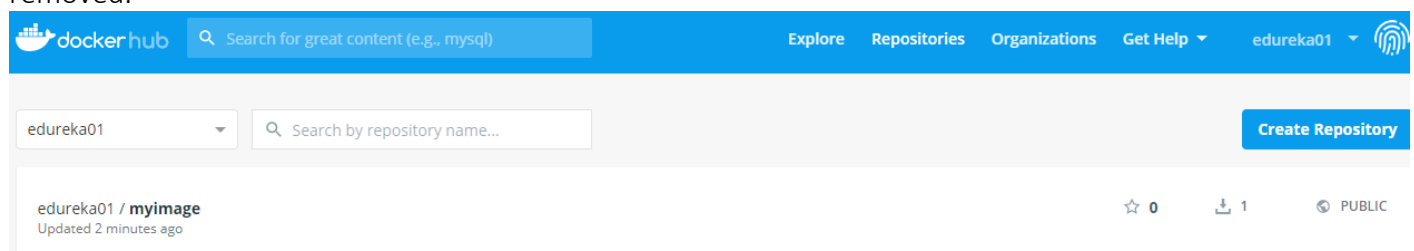
2. Deploy the daemon set on your nodes using create or apply command and verify using the get pods command

Syntax: `kubectl apply -f daemon.yaml`  
`kubectl get pods -o wide`

```
edureka@kmaster:~/kube-demo$ kubectl apply -f daemon.yaml
daemonset.extensions/httpd created
edureka@kmaster:~/kube-demo$ kubectl get pods -o wide
```

NAME	READY	STATUS	RESTARTS	AGE	IP	NODE	NOMINATED NODE
httpd-rz9rk	1/1	Running	0	4m	192.168.189.12	kmaster	<none>
httpd-xk27n	1/1	Running	0	4m	192.168.177.202	knode	<none>
nginx-dep-7476bf8dbc-9qslc	1/1	Running	0	4h	192.168.177.201	knode	<none>

**Note:** One of the pods is deployed on kmaster because the taint from the master has been removed.



The screenshot shows the Docker Hub interface for a repository named 'edureka01 / myimage'. The repository was updated 2 minutes ago. It has 0 stars and 1 download. The repository is public. The interface includes a search bar, navigation links (Explore, Repositories, Organizations, Get Help), and a 'Create Repository' button.