Module-8: Container Orchestration using Kubernetes Part - I

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DEMO-1: Kubernetes Common Commands

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//Create resource(s) from file
# kubectl create -f  <filename>.yml

//Create from multiple files
# kubectl create -f  <file1>.yml  -f <file2>.yml

//start a single instance of nginx
# kubectl run nginx --image=nginx

// List all services
# kubectl get services

// List all pods in all namespaces
# kubectl get pods --all-namespaces

// List all pods include uninitialized
# kubectl get pods --include-uninitialized

// List all pods in the namespace, with more details
# kubectl get pods -o wide

// List a particular deployment
# kubectl get deployment <deployment name>

# kubectl describe nodes <node-name>
# kubectl describe pods <pod-name>

// Delete a pod using filename.
# kubectl delete -f <filename>.yml

// Delete pods and services with same names "foo" and "foo1"
# kubectl delete pod,service foo foo1

// Delete pods and services with label
# kubectl delete pods,services -l name=<labelname>

// Delete all pods and services, including uninitialized ones,
in namespace
# kubectl -n <namespace> delete po,svc --all

//Show Pods stdout (logs)
# kubectl logs <Pod_name>

//Run command directly on a Pod
# kubectl exec <Pod_name> -- ls /

//Forward traffic of specific port of local machine to mentioned
port of Pod
# kubectl port-forward <Pod_name> aaaa:bbbb
//Where, aaaa is port on local machine and bbbb is port on Pod
```

```
// Show master and services addresses.
# kubectl cluster-info
```