

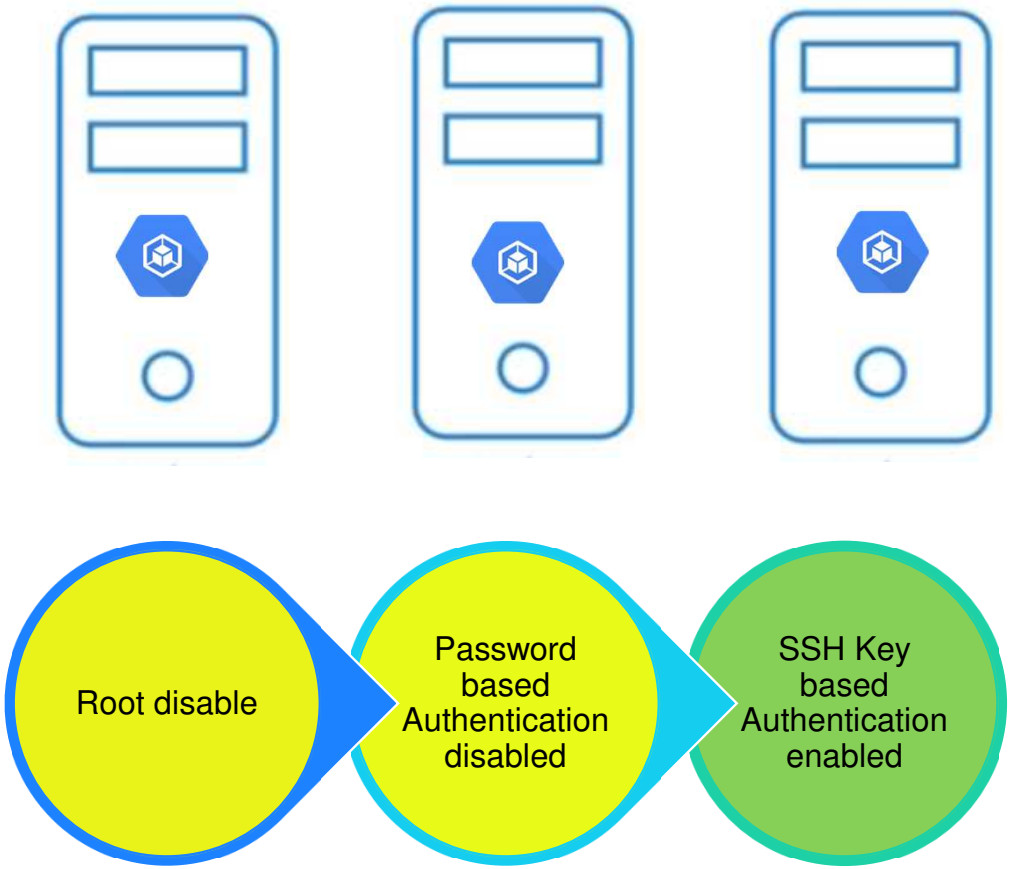
مدرس : حامد فروردین

آموزش کاربردی Kubernetes – آمادگی برای آزمون بین المللی CKA

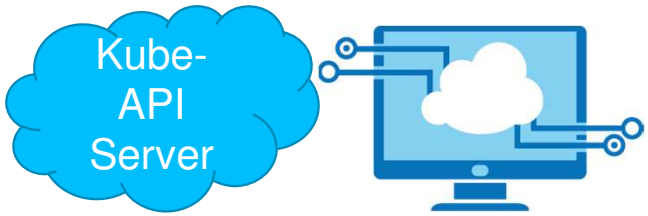
Certified Kubernetes Administrator (CKA)


kubernetes
security

Cluster-Level

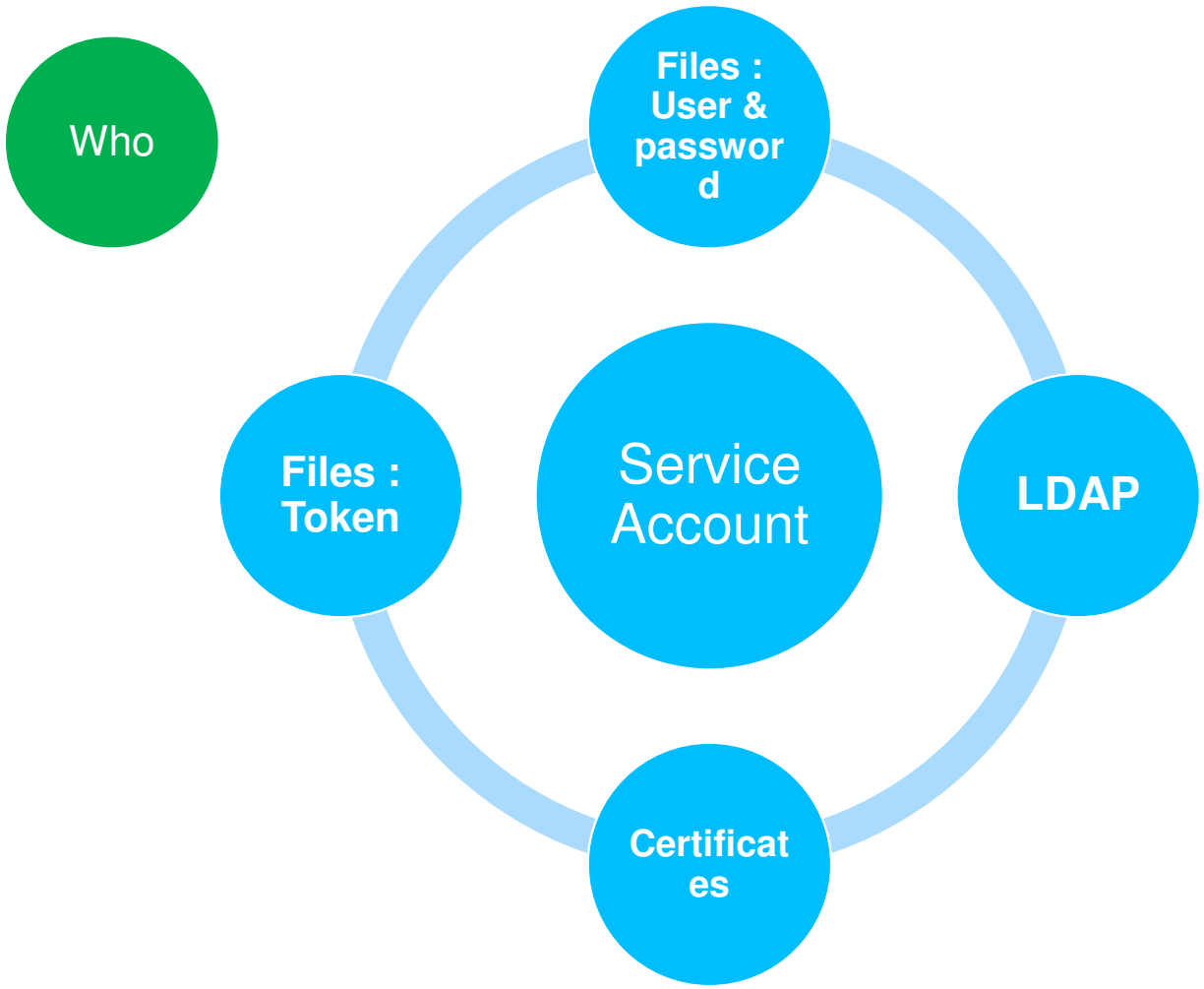


Security-Kubernetes

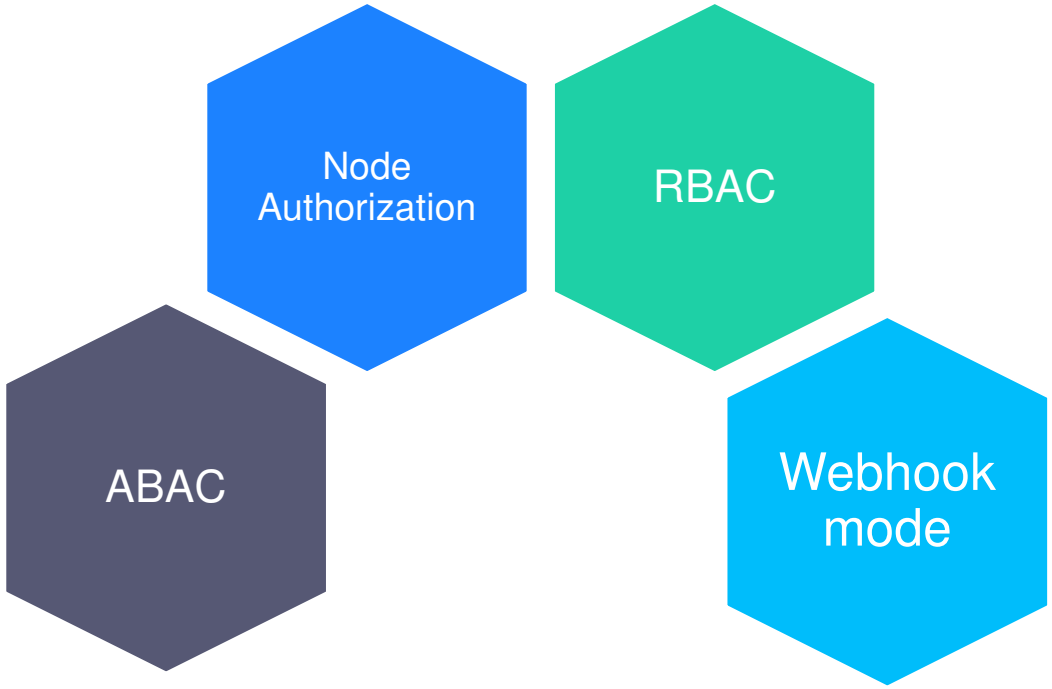




Authentication

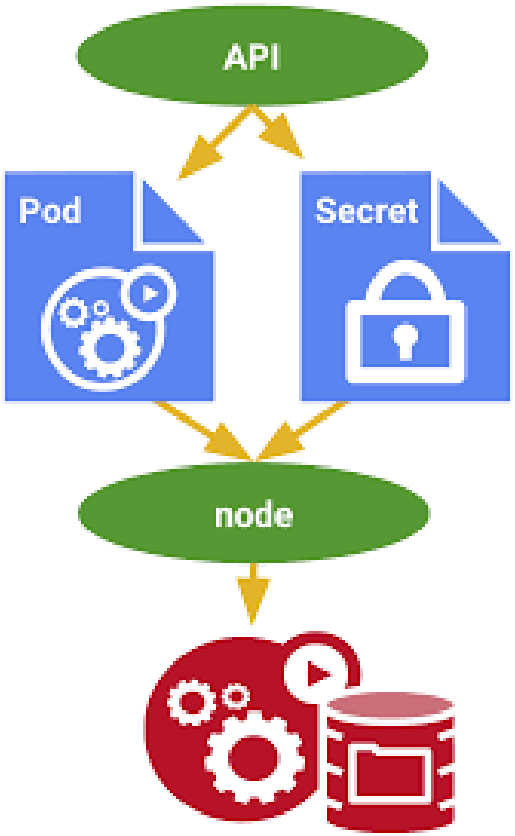


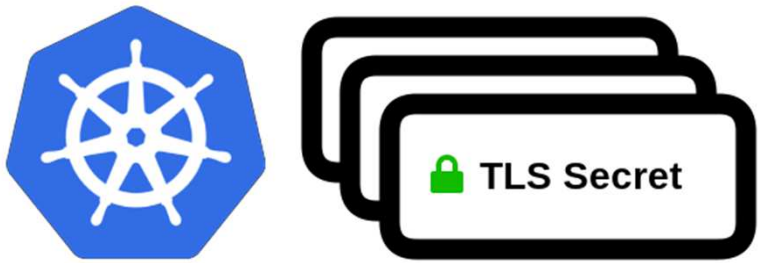
Authorization





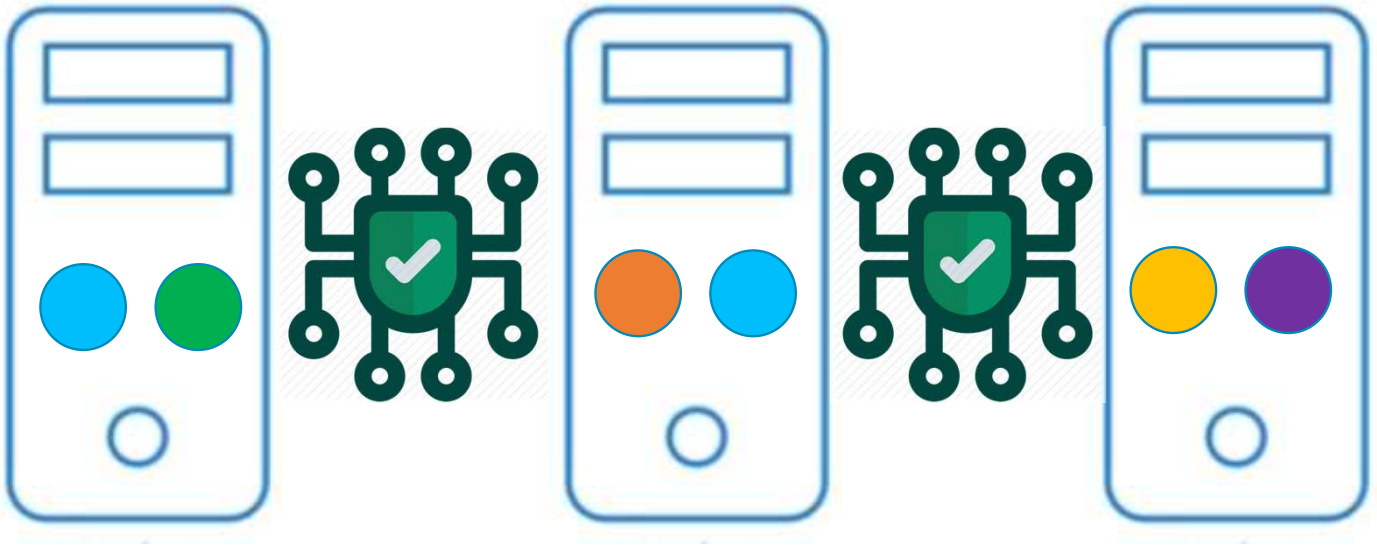
TLS Certificates







Network Policies



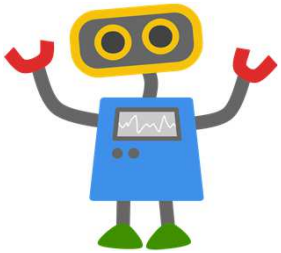


Authentication









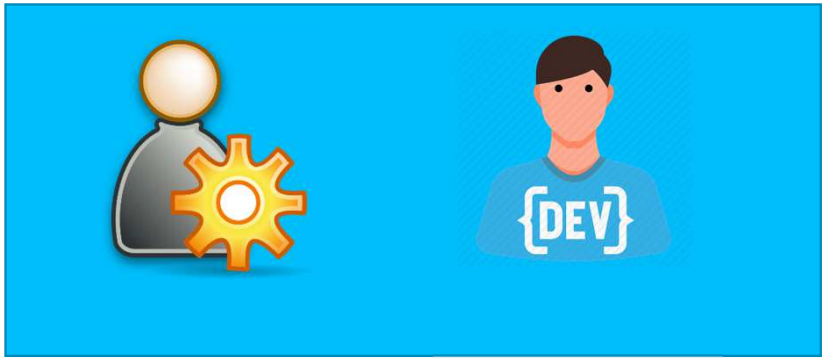








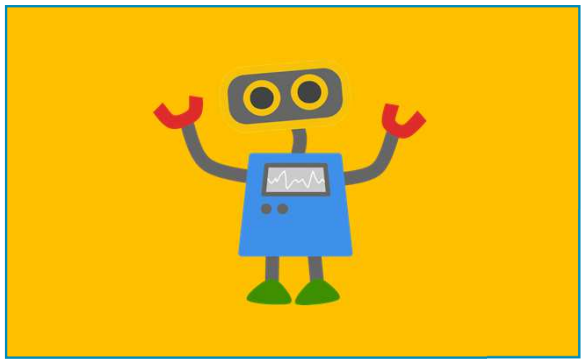
User



kubectl create user user1

kubectl list users

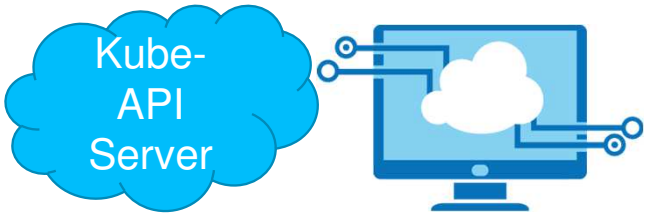
Service Account



kubectl create serviceaccount s1

kubectl list serviceaccount

Basic- Authenticating User



--basic-auth-file=user-details.csv

user-details.csv

```
password123,user1,u0001
password123,user2,u0002
password123,user3,u0003
password123,user4,u0004
password123,user5,u0005
```

```
ExecStart=/usr/local/bin/kube-apiserver \\
  --advertise-address=${INTERNAL_IP} \\
  --allow-privileged=true \\
  --apiserver-count=3 \\
  --authorization-mode=Node,RBAC \\
  --bind-address=0.0.0.0 \\
  --enable-swagger-ui=true \\
  --etcd-servers=https://127.0.0.1:2379 \\
  --event-ttl=1h \\
  --runtime-config=api/all \\
  --service-cluster-ip-range=10.32.0.0/24 \\
  --service-node-port-range=30000-32767 \\
  --v=2
  --basic-auth-file=user-details.csv
```



```
curl -v -k https://master-node-ip:6443/api/v1/pods/ -u “user1:password123”
```

```
--token-auth-file=user.details.csv
```

```
KpjCVbI7rCFAHYPkByTIzRb7gu1cUc4B,user10,u0010,group1
rJjncHmvtXHc6MlWQddhtvNyyhgTdxSC,user11,u0011,group1
mjpOFIE1FOkL9toikaRNtt59ePtczZSq,user12,u0012,group2
PG41IXhs7QjqwWkmBkvgGT9glOyUqZij,user13,u0013,group2
```

```
curl -v -k https://master-node-ip:6443/api/v1/pods/ -- header “Authorization: bearer kpjCVbI7rCFAHYPkBzRb7gu1cUc4B”
```

