

**Cloud Provider:AWS**  
**Server:Ubuntu 18.04 x6**  
**Server List: 2 Controller(Master), 2(Worker), 1 Nginx(Reverse Proxy), 1 Ubuntu 18.04(local)**

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### Generating the Data Encryption Config

**//Generate the Kubernetes Data encryption config file containing the encryption key**

```
$ ENCRYPTION_KEY=$(head -c 32 /dev/urandom | base64)
```

```
$ cat > encryption-config.yaml << EOF
kind: EncryptionConfig
apiVersion: v1
resources:
- resources:
  - secrets
providers:
- aescbc:
  keys:
  - name: key1
    secret: ${ENCRYPTION_KEY}
- identity: {}
EOF
```

**//Copy the file to both controller servers**

```
$ scp encryption-config.yaml cloud_user@<controller 1 public ip>:~/
```

```
$ scp encryption-config.yaml cloud_user@<controller 2 public ip>:~/
```