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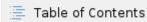
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Installing Neo4j

1. Create a **secret** (Note: The secret yaml file is here):

```
apiVersion: v1
kind: Secret
metadata:
  name: neo4j-password
  namespace: utility
  labels:
    app: neo4j
type: Opaque
data:
  neo4j-password: aW5kb2MxMxMDE=
```

2. Create a **StatefulSet** and **service** (Note: The manifest file is here)

```
apiVersion: v1
kind: Service
metadata:
  name: neo4j-db
  namespace: utility
  labels:
    app: neo4j-db
spec:
  ports:
    - name: http
      port: 7474
      targetPort: 7474
      nodePort:
    - name: bolt
      port: 7687
      targetPort: 7687
      nodePort:
  selector:
    app: neo4j-db
  type: LoadBalancer
---
apiVersion: apps/v1
kind: StatefulSet
metadata:
  name: neo4j-db
  namespace: utility
spec:
  serviceName: neo4j-db
  replicas: 1
  selector:
    matchLabels:
      app: neo4j-db
```

```yaml
      template:
        metadata:
          labels:
            app: neo4j-db
        spec:
          containers:
          - name: neo4j
            image: neo4j:4.0
            env:
              - name: NEO4J_apoc_export_file_enabled
                value: "true"
              - name: NEO4J_apoc_import_file_enabled
                value: "true"
              - name: NEO4J_apoc_import_file_use__neo4j__config
                value: "true"
              - name: NEO4JLABS_PLUGINS
                value: \[\"apoc\"\]
              - name: NEO4J_SECRETS_PASSWORD
                valueFrom:
                  secretKeyRef:
                    name: neo4j-password
                    key: neo4j-password
            ports:
            - containerPort: 7474
              name: browser
            - containerPort: 7687
              name: bolt
            volumeMounts:
            - name: neo4j-data
              mountPath: /data
            - name: neo4j-plugins
              mountPath: /plugins
            - name: neo4j-logs
              mountPath: /logs
          terminationGracePeriodSeconds: 60
          nodeSelector:
            namespace: utility
  volumeClaimTemplates:
  - metadata:
      name: neo4j-data
      annotations:
        volume.beta.kubernetes.io/storage-class: managed-nfs-storage
    spec:
      accessModes:
      - ReadWriteOnce
      resources:
        requests:
          storage: 20Gi
  - metadata:
      name: neo4j-plugins
      annotations:
        volume.beta.kubernetes.io/storage-class: managed-nfs-storage
    spec:
      accessModes:
      - ReadWriteOnce
      resources:
        requests:
          storage: 5Gi
  - metadata:
      name: neo4j-logs
      annotations:
```

```
            volume.beta.kubernetes.io/storage-class: managed-nfs-storage
      spec:
        accessModes:
        - ReadWriteOnce
        resources:
          requests:
            storage: 10Gi
```

3. **Initiate** the neo4j-db

```
# 1. Check the external IP of the neo4j service
SERVICE_IP=`kubectl -n utility get svc neo4j-db -o jsonpath=
{.status.loadBalancer.ingress[0].ip}`
echo $SERVICE_IP

# 2. Open a browser and go to http://$SERVICE_IP:7474

# 3. Enter "$SERVICE_IP:7687"  in "Connect URL" field

# 4. Enter neo4j as both username and password, and then reset the password to what
you expect
```

Updating Password

note
Note: The username is `neo4j`

> Note: The username is `neo4j`

1. Go to Neo4j website and **login** with the current credential
2. **Run** below command to change the password

```
:server change-password
```