Kubernetes

Resources

1. Networking

2. rbac 1

3. rbac 2

4. deploy postgresql

   /code

5. helm 1

6. helm 2

7. accessing pods from outside of the cluster

8. external dns

9. external dns issue

Helm cmds:

```bash
helm install --debug --dry-run --name <app_name> --set <k>="<v>" -f
values.yaml . helm upgrade <app_name> --install <repo>/<chart_name>
--namespace <ns> -f values.yaml helm diff helm tiller helm ls helm
del --purge <chart_name> helm init --force-upgrade helm init --
client-only helm repo add <repo_name> <url> helm repo remove
<repo_name> helm push <repo>/<chart_name> <url>
```

Bash ⌄

Kubernetes resources:

1. deployment
2. pod
3. service
4. job
5. ingress
6. secret
7. configmap
8. node
9. replicaset
10. daemonset
11. role
12. rolebinding
13. clusterrole
14. clusterrolebinding
15. PersistentVolume
16. PersistentVolumeClaim
17. StorageClass
18. endpoints
19. backendconfig
20. serviceaccounts

Kubectl cmds:

```
kubectl get pods -n <namespace> <pod_name> -o yaml kubectl get pods
--all-namespaces --selector=<k>=<v> kubectl port-forward
svc/<service_name> -n <namespace> 9090:9090 kubectl logs -f <pod> -c
<container> kubectl describe deploy <deployment> kubectl edit pod -n
<namespace> <pod_name> kubectl get pods --show-labels #Expose the
port of a pod (creates a new service) kubectl expose pod <pod> --
port=444 --name=frontend #Execute a command on the pod kubectl exec
<pod> -- command #Add a new label to a pod kubectl label pods/nodes
<pod> mylabel=awesome #Get deployment status kubectl rollout status
deployment/helloworld-deployment #Get the rollout history kubectl
```

```bash
rollout history deployment/helloworld-deployment #Rollback to
previous version kubectl rollout undo deployment/helloworld-
deployment #Rollback to any version version kubectl rollout undo
deployment/helloworld-deployment --to-revision=n
```

Bash ⌄