

Exercise 7.3: Domain Review



Very Important

The source pages and content in this review could change at any time. **IT IS YOUR RESPONSIBILITY TO CHECK THE CURRENT INFORMATION.**

Revisit the CKAD domain list on [Curriculum Overview](#) and locate some of the topics we have covered in this chapter.

- Use Kubernetes primitives to implement common deployment strategies (e.g. blue/gren or canary)
- Use the Helm package manager to deploy existing packages
- Provide and troubleshoot access to applications via services
- Use Ingress rules to expose applications

Focus on ensuring you have all the necessary files and processes understood first. Repeat the review until you are sure you can complete each step quickly, and ensure each object is running properly.

Using the three URL locations allowed by the exam, find and be familiar with working YAML examples to do the following:

1. Create a new pod called `webone`, running the `nginx` service. Expose port 80.
2. Create a new service named `webone-svc`. The service should be accessible from outside the cluster.
3. Update both the pod and the service with selectors so that traffic for to the service IP shows the web server content.
4. Change the type of the service such that it is only accessible from within the cluster. Test that exterior access no longer works, but access from within the node works.
5. Deploy another pod, called `webtwo`, this time running the `wlniao/website` image. Create another service, called `webtwo-svc` such that only requests from within the cluster work. Note the default page for each server is distinct.
6. Install and configure an ingress controller such that requests for `webone.com` see the `nginx` default page, and requests for `webtwo.org` see the `wlniao/website` default page.
7. Remove any resources created in this review.