

## Exercise 5.5: 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](#). locate some of the topics we have covered in this chapter, which should match up with the following list of bullet points.

- Utilize persistent and ephemeral volumes
- Understand Deployments and how to perform rolling updates
- Understand ConfigMaps

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

Using only the allowed URLs and subdomains search for a YAML example to create and configure the resources called for in this review. Be familiar with what the page looks like so can quickly return to the working YAML.

1. Create a new secret called `specialofday` using the key `entree` and the value `meatloaf`.
2. Create a new deployment called `foodie` running the `nginx` image.
3. Add the `specialofday` secret to pod mounted as a volume under the `/food/` directory.
4. Execute a bash shell inside a `foodie` pod and verify the secret has been properly mounted.
5. Update the deployment to use the `nginx:1.12.1-alpine` image and verify the new image is in use.
6. Roll back the deployment and verify the typical, current stable version of `nginx` is in use again.
7. Create a new 200M NFS volume called `reviewvol` using the NFS server configured earlier in the lab.
8. Create a new PVC called `reviewpvc` which will uses the `reviewvol` volume.
9. Edit the deployment to use the PVC and mount the volume under `/newvol`
10. Execute a bash shell into the `nginx` container and verify the volume has been mounted.
11. Delete any resources created during this review.