



Exercise 3.4: 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.

- Understand Multi-Container Pod design patterns (e.g. ambassador, adapter, sidecar)
- Understand LivenessProbes and ReadinessProbes
- Understand container logging

Figure 3.1: **Observability Domain**

Focus on ensuring you have all the necessary files and processes understood first. Repeat the review until you are sure you have bookmarks of YAML samples and can complete each step quickly.

1. Using the three URL locations allowed by the exam, find and bookmark working YAML examples for LivenessProbes, ReadinessProbes, and multi-container pods.
2. Deploy a new nginx webserver. Add a LivenessProbe and a ReadinessProbe on port 80. Test that both probes and the webserver work.
3. Use the `build-review1.yaml` file to create a non-working deployment. Fix the deployment such that both containers are running and in a `READY` state. The web server listens on port 80, and the proxy listens on port 8080.
4. View the default page of the web server. When successful verify the `GET` activity logs in the container log. The message should look something like the following. Your time and IP may be different.

```
192.168.124.0 - - [30/Jan/2020:03:30:31 +0000] "GET / HTTP/1.1" 200 612 "-" "curl/7.58.0" "-"
```

5. Remove any resources created in this review.