

7.6 Lab

Its back to the Pi app for this lab. The Docker image kiamol/ch05-pi can actually be used in different ways, and to run it as a web app, you need to override the startup command in the container spec. Weve done that in the YAML files in previous chapters, but now weve been asked to use a standard approach to setting up the pod. Here are the requirements and some hints:

- The app container needs to use a standard startup command that all Pods in our platform are using. It should run `/init/startup`.
- The Pod should use port 80 for the app container.
- The Pod should also publish port 8080 for an HTTP server, which returns the version number of the app,
- The app container image doesnt contain a startup script, so youll need to use something that can create that script and make it executable for the app container to run.
- The app doesnt publish a version API on port 8080 (or anywhere else), so youll need something that can provide that (it can just be any static text).

The starting point is the YAML in `ch07/lab/pi`, which is broken at the moment. Youll need to do some investigation into how the app ran in previous chapters and apply the techniques weve learned in this chapter. You have plenty of ways to approach this one, and youll find my sample solution in the usual place:

[https : //github.com/sixeyed/kiamol/blob/master/ch07/lab/README.md](https://github.com/sixeyed/kiamol/blob/master/ch07/lab/README.md).