

M3 Projects

The application we're using for these projects is the [Extremely Simple Blog API](#)

Docker Project

1. Containerize the application so it can be used for development purposes.
 1. Make a `Dockerfile.dev`.
 2. Make a `docker-compose.yml`
2. Containerize the application so that we can use it in production.
 1. Make a multi-step dockerfile to get access to production files.
 2. Edit your `docker-compose.yml` file from earlier so that it can be used to deploy for production.
3. Write a JMeter test to perform a load test on the `simple_blog_api` application. Set the max threads to 1000 and the ramp up to 100.

Kubernetes Project

1. Create the necessary configuration files required to deploy the `simple_blog_api` application onto a simple kubernetes cluster.
 1. Refrain from using NodePorts in this scenario.