

## Task: DevOps - Create a Docker image with a simple web application

1. Create a **single** Docker image:
  - a. Base the image on "oraclelinux".
  - b. Use apache as web server.
  - c. Deploy a simple web application like <https://github.com/igameproject/Breakout>.
  - d. Add https support by integrating haproxy as reverse-proxy. Self-signed certificates are sufficient.
  - e. The Dockerfile must build reproducible images.
2. Run the container and test:
  - a. Open the web service in a browser and make a screenshot.
  - b. Test a https URL of the web application 10 000 times, with 10 concurrent connections. Document the output.
3. Document the weaknesses of your Dockerfile. For example does the Dockerfile include simplifications, which are not suitable for a production application?