

Run Guide – IO Phase 1 Project

This document explains all the ways to build and run the Java load generator.

1. With helper script (recommended)

From the project root (IO-phase1/):

```
./scripts/run-loadgen.sh baseline
./scripts/run-loadgen.sh target
```

- Builds the shaded JAR automatically.
- Runs the simulator using the chosen profile from config/config.yml.

2. Manual build + run

From inside java-loadgen/:

```
mvn clean package
java -jar target/java-loadgen-0.1.0-shaded.jar --config=../config/config.yml --profile=baseline
java -jar target/java-loadgen-0.1.0-shaded.jar --config=../config/config.yml --profile=target
```

3. Run with defaults (no arguments)

```
java -jar target/java-loadgen-0.1.0-shaded.jar
```

- Default config path: config/config.yml (relative to project root).
- Default profile: baseline.

4. Run with only one argument

Only config file specified (defaults to baseline profile):

```
java -jar target/java-loadgen-0.1.0-shaded.jar --config=../config/config.yml
```

Only profile specified (uses default config path):

```
java -jar target/java-loadgen-0.1.0-shaded.jar --profile=target
```

5. Run with a different config file

If you create a new config file (mytest.yml):

```
java -jar target/java-loadgen-0.1.0-shaded.jar --config=/absolute/path/to/mytest.yml --profile=baseline
```

6. Smoke test (short run)

Add this profile to config/config.yml:

```
- name: smoke
  tags_per_second: 1000
  alarms_per_second: 10
  duration_seconds: 5
```

Then run:

```
java -jar target/java-loadgen-0.1.0-shaded.jar --profile=smoke
```

This will run for only 5 seconds.