

# 1 ACM Artifact Review and Badging

In this file, we outline how we address the requirements of each ACM artifact badge.

## 1.1 Artifacts Evaluated

### 1.1.1 Functional

#### 1.1.1.1 Documented

- `EXAMPLE.md` documents how to use DDMon to monitor a distributed application based on the `gen_server` behaviour. The example can be used as a blueprint to monitor other `gen_server`-based applications.
- `SCENARIOS.md` documents the testing DSL used to test and benchmark DDMon.
- `IMPLEMENTATION.md` describes the implementation details of DDMon.

**1.1.1.2 Consistent** The results in *Figures 15 and 16* as well as *Listings 2, 3 and 4* in the paper can be reproduced according to the instructions in `EVALUATION.md`.

**1.1.1.3 Complete** The provided artifact includes all components necessary to reproduce the results in the paper:

- `EVALUATION.md` shows how to generate plots for *Figures 15 and 16*, as well as *Listings 2, 3 and 4*.
- `EXAMPLE.md` shows how DDMon can be used to monitor `gen_server`-based applications for deadlocks.

**1.1.1.4 Exercisable** Please follow the instructions in `EVALUATION.md` which shows how to generate plots for *Figures 15 and 16*, as well as *Listings 2, 3 and 4*.

Additionally, note that the experiments produce CSV files (in the `output` folder) with detailed execution statistics.

#### 1.1.2 Reusable

- `EXAMPLE.md` shows how to use DDMon to monitor an example distributed application based on the `gen_server` behaviour (see `example-system/README.md` for further details on that application). The example can be used as a blueprint to monitor other `gen_server`-based applications. We encourage experimenting with it and trying to apply DDMon to other applications.
- `IMPLEMENTATION.md` describes the design of the DDMon internals. DDMon follows standard patterns of OTP application design, using standard behaviours in its foundation.

## 1.2 Artifacts Available

We will release this artifact under the MIT license. We have not attached the license yet to preserve anonymity.

## 1.3 Results Validated

### 1.3.1 Results Reproduced

Please follow the instructions in `EVALUATION.md`.