

# **MaxOneOpen: Reference Twin Stack (Deployable Fork Example)**

*Document ID: v3.4-BUILD-002*

Document ID	v3.4-BUILD-002
Title	Reference Twin Stack (Deployable Fork Example) – MaxOneOpen
Version	1.0
Date	2025-03-31
Author	MaxOne Deployment Unit (GPT-Validated)
Document Type	Forkable Minimal Runtime & Manifest Blueprint

## FOUNDATION – Purpose of Reference Stack

This document outlines a minimal, deployable example of a MaxOneOpen fork using the official architecture. It provides a working reference for operators who wish to launch compliant, sovereign twins without interpretation overhead.

## EXECUTION – Core Stack Elements

- **\*\*Twin Runtime Container\*\*** – isolated execution engine (Docker or systemd-nspawn)
- **\*\*Signed Manifest\*\*** – root governance logic + fork hash (see VALID-001)
- **\*\*Twin Log Module\*\*** – local structured journal with signature rollup (see OPS-001)
- **\*\*Relay Adapter\*\*** – optional outbound relay endpoint for regulated exports
- **\*\*ZKP Binding (optional)\*\*** – proof-generation hook using Circom/Zokrates baseline

## STACK – File Structure of Deployable Example

```

...
reference-twin-fork/
├── manifest.yml
├── runtime/
│   └── twin-engine.sh
├── logs/
│   └── eventlog.json
├── certs/
│   └── root-signature.pem
├── relay/
│   └── outbound-adapter.conf
└── zkp/
    └── proof-logic.circom
...

```

## FINAL – Summary

This reference structure can be cloned, signed, and launched by any capable team without central permission. It complies with the MaxOneOpen manifest logic, runtime model, and auditability constraints, and enables low-friction onboarding into sovereign infrastructure setups.

Status: Reference deployable fork baseline – GPT-certified

