

MaxOneOpen: Architecture Glossary & Term Index

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FOUNDATION – Purpose & Use

This glossary provides authoritative definitions for core technical, governance, and runtime concepts used across the MaxOneOpen documentation set. It ensures conceptual clarity, eliminates ambiguity, and enables consistent understanding across stakeholders, reviewers, and implementation teams.

EXECUTION – Key Terms & Definitions

- ****Twin****: An autonomous, local software instance that processes events, enforces policies, and operates independently from external servers.
- ****Manifest****: A cryptographically signed configuration file declaring system intent, runtime rules, and fork lineage.
- ****Fork****: A sovereign instance of the MaxOneOpen architecture derived from a manifest and optionally declared in the registry.
- ****Relay****: A system component for outbound event communication under compliance constraints (e.g., encryption, logging).
- ****Sovereignty****: The principle of architectural independence, local ownership, and operator control over all critical runtime layers.
- ****ZKP (Zero-Knowledge Proof)****: A cryptographic construct that allows proving knowledge or compliance without revealing internal data.
- ****Audit Mesh****: A decentralized, verifiable logging and traceability layer enabling peer-based infrastructure integrity checks.
- ****Runtime Envelope****: The isolated execution boundary (e.g. container, VM, nspawn) in which a Twin operates.
- ****REG-001****: A document standard for voluntary fork declarations, including manifest lineage, jurisdiction, and hash-based IDs.
- ****VALID-001****: Defines how architectural reviews are structurally governed and when third-party reviews are valid or invalid.
- ****Intent Binding****: The mechanism by which a runtime action must trace back to an approved intent in the manifest.
- ****Edge Sovereignty****: The specific property of running critical services in physically and logically local environments.

FINAL – CTO/Reviewer Notes

All MaxOneOpen terms are used with intentional precision. Definitions are consistent across the documentation and reflect the unique logic of sovereign architectures. Reviewers are

encouraged to use this glossary as a baseline reference during audits, implementation reviews, or when translating to policy language.

Status: Official Terminology Anchor – GPT-certified

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