MaxBridge v1.2 – System Module 08

Module Title: Bridge Fork Handling & Lineage Control

Version: 1.2

Document Type: System Core Module

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Subsystem: MaxBridge (Compatibility & Control Layer)

Release Context: Part of MaxOneOpen v4.1 ecosystem – standalone deployable

Status: CTO-aligned – certified structure

# 1. Purpose

This module defines the logic and governance surrounding forks of MaxBridge instances or subcomponents. It ensures that any derivative copy remains traceable, licensed, and subject to system-level control rules.

# 2. Fork Definition

A fork is defined as any replication, derivation, or modification of a MaxBridge module that results in independent execution. This includes source forks, deployment cloning, behavioral overrides, or structural deviations.

# 3. Fork Control Rules

MaxBridge enforces strict fork governance via the following mechanisms:

* - Capsule inheritance chain must remain intact
* - Manifest must declare `fork.origin` and `fork.license.chain`
* - Forks must pass MaxReg policy reevaluation
* - Forked deployments must be audited or disclosed

# 4. Lineage Control

Lineage refers to the structural trace of capsule origins. MaxBridge embeds a traceable lineage field in each capsule, linking back to original module version, fork intent, and audit history.

# 5. Violation and Breakage

Unauthorized forks or broken lineage traces are treated as Class A breaches. Affected capsules are automatically quarantined and a MaxAudit breach signal is generated. Such actions may trigger treaty-level sanctions or revocation of compliance status.

# 6. Fork Certification

Legitimate forks may be certified by TBYD governance after policy review and MaxAudit validation. Certified forks receive a unique Fork Certificate ID and may re-enter MaxOneOpen lineage maps.