

### v3.4-FINAL-006 – Deployment-Ready Modules & Twin Spawn Conditions

This document defines all modules, capsules, and runtime environments that are eligible for production deployment within MaxOneOpen v3.4 certified forks. It includes twin spawn conditions and scope validation logic for each component type.

Twin Type / Capsule	Spawn Condition	Scope Constraints	Approved for Deployment?
Edge AI Runtime	Triggered by ZK-Request Token + Resource Budget	Max RAM: 512MB / GPU: opt-in	✓ Yes
ZK Query Twin	Search query with encrypted index and schema match	Query must match signed schema	✓ Yes
Mobile Twin Capsule	Offline-first, peer-authenticated trigger	Storage + execution < 100MB	✓ Yes
Twin Container: Vault	Local state requires updated schema + consent token	Must match data scope & policy ID	✓ Yes
Lifecycle Twin	Task-based spawning with TTL $\leq 1h$	No nested twin calls allowed	✓ Yes
Notar Twin Relay	Channel init with notarized fork signature	Relay is stateless + traceable	✓ Yes
Twin-Signer Capsule	Registry-certified capsule + hash match	Signature digest must match registry	✓ Yes
Fork-Onboarding Twin	Certified fork detected + anchor verified	RootKey must be in global registry	✓ Yes
Audit Twin	Manual trigger with compliance intent	Must be isolated, no outbound link	✓ Yes
Sync Twin (P2P)	Mobile or edge node proximity event	Must verify last sync hash	✓ Yes