

Supplementary: Deployment Guide and Integration

This supplementary material provides deployment considerations and integration examples for production CIF deployment.

Production Deployment Checklist

Before deploying CIF in production environments, verify completion of all items:

Table 1: Production deployment checklist.

Phase	Item	Verification
Pre-Deploy	Dependencies installed	<code>pip check</code> passes
	Signing keys generated	Key files exist
	TLS certificates valid	<code>openssl verify</code>
	Secrets management configured	Vault health check
Config	Trust parameters set	$\alpha + \beta + \gamma = 1$
	Firewall thresholds tuned	$\tau_1 > \tau_2$
	Canary beliefs defined	≥ 3 per agent
	Consensus configured	$n \geq 3f + 1$
Post-Deploy	Functional tests pass	100% test coverage