



AI-DRIVEN DIGITAL TWIN THAT DECEIVES, ADAPTS, AND CONTAINS

Deceptor is CyberTrap's AI-powered digital twin—a dynamic, high-fidelity simulation of your infrastructure that engages attackers with manufactured systems and synthetic data, enabling safe, scalable deception without replicating any real assets.

Deceptor acts as the central execution layer of CyberTrap's deception framework, functioning as an **AI-driven digital twin**, not by mirroring your environment exactly, but by simulating it convincingly. It creates replicas of production systems, populated with synthetic user behavior, fake file structures, and realistic but **manufactured data** designed to withstand scrutiny from even advanced attackers.

Driven by **Adversary Skill Assessment**, Deceptor dynamically adapts its layout, services, and complexity based on real-time analysis of attacker behavior. Whether the adversary uses automated tools or demonstrates advanced manual tactics, the digital twin evolves accordingly, ensuring the deception remains believable while optimizing resource usage.

Deceptor continuously spins up context-aware decoys across endpoints, servers, APIs, and cloud assets. These decoys are enriched with manufactured telemetry, such as fake credentials, simulated logins, and plausible access histories. AI models monitor each attacker interaction, enabling live adjustment of services, response patterns, and deception depth, all while preserving full containment and isolation from actual infrastructure.

Importantly, Deceptor is built for **resource efficiency and security**. It only simulates what's needed to sustain the illusion and never exposes real data, ensuring compliance, performance, and operational integrity across environments.

USER BENEFITS:

- Realistic digital twin powered by AI, using synthetic, not real, data
- Adaptive response based on real-time adversary skill and tactics
- Safe attacker engagement through isolation and full containment
- Rich behavioral telemetry for forensic analysis and threat intel
- Efficient, scalable simulation tailored to hybrid and multi-cloud environments
- Zero risk to production assets or sensitive business information