

AI PROVING GROUNDS

Build & Train AI Agents with Hyper-Synthetic Data

Stop training AI agents on sterile, theoretical datasets. Generate hyper-synthetic data to build & train red and blue agents that are ready for real-world attacks.

When product teams and corporate data science units train AI agents on static data, they inherit fragile automation logic, model drift, and a high rate of false positives. Autonomous combat-ready AI agents need live, precision-labeled, full-stack log data generated in a modern AI training software ecosystem.

SimSpace allows us to create dynamic datasets over and over again, different types of attacks, changing the environment to really replicate our different customers, so we can train our agents without risking customer data.

– Senior Product Manager, Top 3 AI Hyperscaler

Build Real-World-Ready Agents with Hyper-Synthetic Data for AI Training

The SimSpace AI Proving Grounds is an isolated, realistic cyber simulation platform that generates hyper-synthetic, production-grade log data to build resilient, context-aware red and blue agents.

1. Execute Targeted Adversary Emulation

Launch nation-state and e-crime attacks within an isolated, enterprise-mirrored environment to force genuine tool interactions and telemetry.

2. Harvest Multi-Vector Log Data

Automatically export comprehensive log data to data science and product management teams across both security stack architectures and everyday productivity app traffic.

3. Refine Agent Performance in Cyber Simulations

Provide data scientists with the real-world, hyper-synthetic log metrics to train agent model candidates against realistic background conditions.

4. Benchmark & Validate AI Agents

Place newly minted agents back into the live-fire scenarios to map out and quantify iterative step-by-step performance developments.

Key Outcomes



Compressed Time-to-Market

Eradicate weeks spent hand-crafting or cleaning target data sets.



Bulletproof AI Validation & Product Verification

Deploy security features with proven metrics to achieve real-world operational effectiveness.



Proven Agents

Move smoothly from alpha builds to battle-hardened agents capable of identifying complex threat

Build Trust in Your AI.

Talk to a SimSpace AI security expert. — [SimSpace.com](https://www.simspace.com)