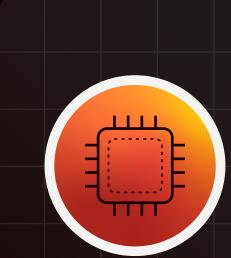


Threat actors use Al to speed up their cyberattacks and make them more dynamic and effective, supercharging the threat landscape.

Accelerating Attacks



FASTER ATTACK RECON

by quickly evaluating company configurations, vulnerabilities, partners, supply chains, and employee data.



EASIER SOCIAL ENGINEERING

with LLMs efficiently gathering information and suggesting attack strategies.



WEAPONIZED RECON DATA

by using AI to run hundreds of possible attack scenarios, making it easier to execute offensive cyber operations.



QUICKER LATERAL MOVEMENT

using AI to exploit vulnerabilities and pivot when blocked to a new attack vector in milliseconds.



RAPID MALWARE DEVELOPMENT

with LLMs generating malicious source code from natural language datasets.



IMPROVED PHISHING

using natural language generation to make phishing emails more believable and compelling.





MORE EFFECTIVE IMPERSONATION

by cheaply and easily creating deepfakes for calls or videos.



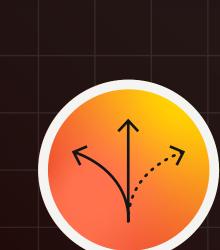
POISONING TRAINING DATA

by adding false and biased data to the text sources used to train LLMs.



Security experts have successfully employed Al-enhanced methods to breach simulated environments. Generative Al has been effectively incorporated into an array of testing tools to automate tasks, synthesize information, select suitable tools, and formulate payloads.

Scaling Attacks



EXPAND FROM SINGLE TO MULTITHREAD ATTACKS

executing simultaneous attacks on one company, attacking many companies at the same time, or exploiting multiple vulnerabilities.



ATTACK 24/7

putting constant pressure on cybersecurity resources, especially outside of normal business hours.



OVERWHELM

achieving command and control faster unless contained in seconds.



COLLABORATE

using alliances between attackers and attack Als for amplification.

Al-Driven Defenses Are Now Essential

Navigating today's threat landscape requires Al-powered defenses that evolve as rapidly and respond as dynamically as modern attacks.

Read about how Palo Alto Networks is innovating with Al to keep your systems secure.

LEARN MORE

