

# BREACH AND ATTACK SIMULATION

# SAFE Breach



## Attackers Have the Upper Hand

Despite an ever-increasing security spend, attackers are finding success more frequently, and data breaches are regular headline news. Security teams are increasingly in the spotlight, under pressure to stop attacks, prevent breaches, and provide business leaders with proof of security against today's rampant threats.

SafeBreach allows security teams to provide data-driven proof-of-security, to eliminate security blind spots and weaknesses, and to validate that controls are working as expected.

## Turn the Tables on Threats

To stay ahead of attacks, security teams must harness the same tools and techniques attackers use. The SafeBreach platform safely executes thousands of proven attacks and breach methods—automatically, continuously, and at scale.

Based on ongoing security research and drawing from actual investigations, SafeBreach safely executes breach scenarios across the entire cyber kill chain to prove where security is working as expected, and uncovering areas where attacks will break through defenses.

## Execute Attacks Without Risk

The SafeBreach Hacker's Playbook™ is made up of thousands of real breach methods like phishing, endpoint infection, brute force, covert exfiltration, ransomware and more. Developed by SafeBreach Labs™—our elite team of ethical hackers and security researchers—the Hacker's Playbook™ is constantly updated and expanded with new methods, and can be augmented with threat intelligence indicators of compromise, and custom methods developed by security teams.

Every SafeBreach simulation is executed on and between cloud, network and endpoint simulators, ensuring there is no destructive impact or risk to production data, applications, or other resources.

## SIMULATE ATTACKS VALIDATE CONTROLS HARNESS THE HACKER

- ▶ Eliminate security surprises
- ▶ Increase security ROI
- ▶ Prove business value

SafeBreach simulates attacks across the kill chain—from email to endpoint—to validate security policy, configuration, and effectiveness. Quantify the real impact of a cyber attack on your production systems. Identify remediation options. Stay ahead of attackers.

## Harness the Hacker with SafeBreach

**Simulate attacks across the kill chain** including infiltration, lateral movement, and exfiltration

**Initiate immediate remediation** with SIEM, orchestration and ticketing systems

**Find unknown exfiltration routes** for data such as PII, credit cards, and source code

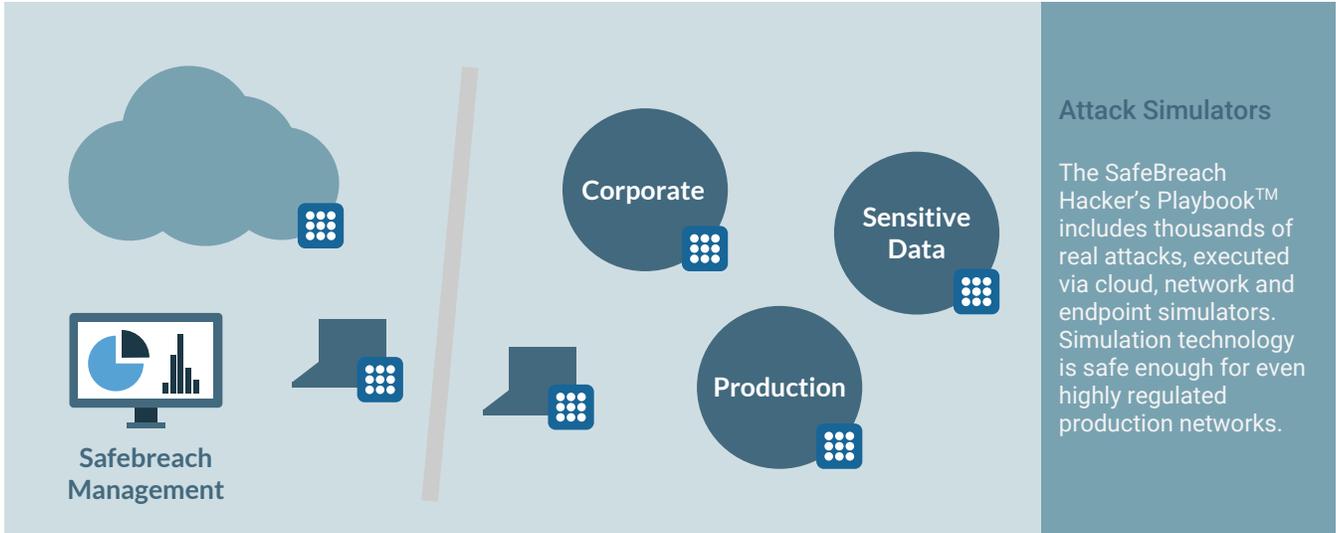
**Bolster your offensive security** with a playbook of thousands of attack and breach methods

**Execute new and evolving attacks** from a dedicated internal threat research team

# SAFEBREACH DEPLOYMENT AND RESULTS

## Just Minutes to Prove Security Value

SafeBreach deploys simply and easily. Software simulators can be deployed in minutes, and are configured via a simple management console. Simulated attacks are automatic and have no destructive impact or data risk.



### Automated

SafeBreach simulators safely execute proven attack methods—without risk or impact. Deploy them in critical segments of your environment—network, cloud or endpoint—for comprehensive coverage.

### Comprehensive

The SafeBreach management server executes thousands of attack simulations from the Hacker's Playbook™. Pairs of simulators alternately attack and defend to identify breach risk.

### Continuous

SafeBreach runs continuously to analysis so defenders can always prioritize the most effective action. When remediation is complete, simulations are rerun to validate fixes, and risk trends over time.

## Validate Your Defenses Before Attackers Do

Get more from existing controls by optimizing configuration and ensuring controls work in concert

Minimize security exposure due to human error, updates, and policy changes

Provide business rationalization for security investment, prove security against headline attacks

Prepare for audits by validating segmentation and other compliance controls

Test alerting and action plans for SOC or MSSP teams, and provide breach scenario training



SafeBreach is the leader in Breach and Attack Simulation. The company's groundbreaking platform provides a "hacker's view" of an enterprise's security posture to proactively predict attacks, validate security controls and improve SOC analyst response.

SafeBreach automatically executes thousands of breach methods from an extensive and growing Hacker's Playbook™ of research and real-world investigative data.

Headquartered in Sunnyvale, California, the company is funded by Sequoia Capital, Deutsche Telekom Capital Partners, Draper Nexus, Hewlett Packard Pathfinder, PayPal, and investor Shlomo Kramer.

For more information, visit [www.safebreach.com](http://www.safebreach.com) or follow on Twitter @SafeBreach.

111 W. Evelyn Avenue  
Suite 117  
Sunnyvale, CA 94086  
408-743-5279  
[www.safebreach.com](http://www.safebreach.com)