



SafeBreach for OT Environments

Better Protection & Visibility from the Shop Floor to the Top Floor

As operational technology (OT) networks become more integrated into the overall information architecture of industrial asset owners, they are more vulnerable to cyber criminals and state-sponsored cyberattacks. Many OT-targeted attacks originate with entry through the IT network, where the adversary spends prolonged periods conducting reconnaissance and identifying vulnerable jump points to OT assets like human-machine interface (HMI) terminals and engineering workstations. The SafeBreach platform improves cyber and operational resilience by validating the efficacy of your security controls, identifying vulnerable attack paths, and expediting remediation—whether you’re on-prem, in the cloud, or somewhere in between—to help you:



Protect Production Uptime

Continuously validate your security controls to safeguard your production processes from costly downtime caused by cyberattacks.



Unify IT/OT Security Testing & Reporting

Create a consolidated view of your OT and IT environment to quickly identify and remediate points of “spill-over” from one network to the other during an attack.



Confidently Support OT Digital Transformation

Ensure your operations, IT, and security teams work with the same information to meet demands for both productivity and protection as your operational environment transforms.



Control Supply Chain Security Exposure

Gain greater visibility into your supply chain ecosystem to identify potential attack paths, prioritize vulnerabilities, and take mitigating action quickly.

Testimonials

“SafeBreach has really helped us look at our IT and OT networks more comprehensively. Testing our controls on likely entry points and critical connections between the two networks has enabled us to prioritize our remediation efforts much more efficiently.”

CISO
Global Pharmaceutical Company

“SafeBreach enabled my team to identify gaps that put the OT network at risk and work more collaboratively with the team at the plant on a remediation plan.”

SOC Director
Power & Energy Provider

Rediscover Your Defenses with a Powerful BAS Platform

SafeBreach offers continuous security validation powered by breach and attack simulation (BAS) to test the effectiveness of all layers of your security stack independently. The SafeBreach platform will enable your security team to execute breach scenarios across the entire cyber kill chain, automate and prioritize remediation, and strengthen your cyber resiliency to:

Reduce Attack Surface & Improve Security Posture

Validate security controls by running simulation techniques used by threat actors with hundreds of MITRE ATT&CK TTP attack scenarios and dozens of OT-specific attack techniques.

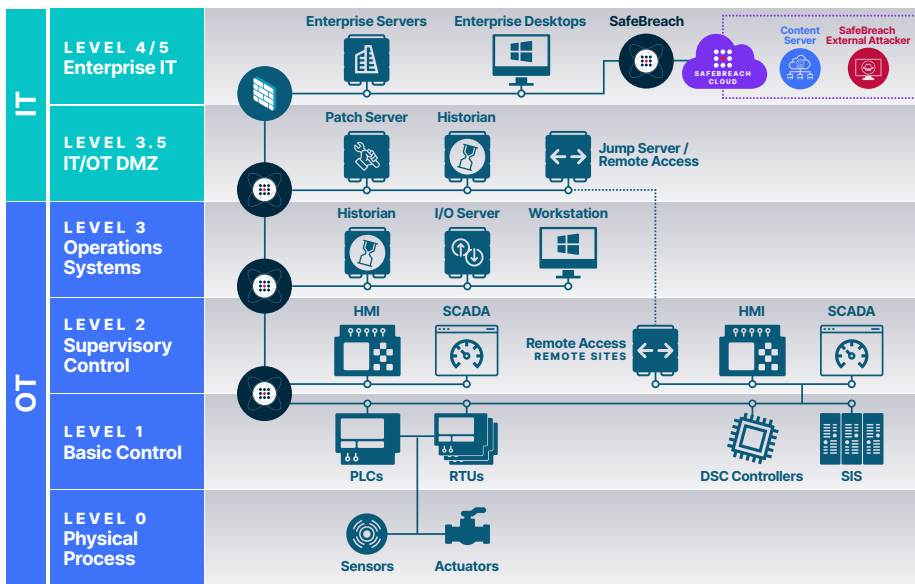
Validate Controls at Network Borders

Proactively identify firewall rules gaps and mitigate the associated risk, while permitting legitimate inbound/outbound traffic.

Identify Network Segmentation Weaknesses

Execute lateral movement, infiltration, and exfiltration simulations to test and secure segmentation and access control weaknesses between the IT and OT networks.

SafeBreach for IT/OT Environments Reference Architecture



SafeBreach performs both Network and Host level Attack Simulations on Levels 4 and 3.5

- Validate Host Level Security Control (Jump Host / VMI)
- Validate Firewall Detection Rules
- Verify Firewall ACL Rules
- Verify Logging at SIEM and Security Control Level

SafeBreach performs ONLY Network Simulations between Levels 3.5 and 2

- Validate Firewall Detection Rules
- Verify Firewall ACL Rules
- Verify Logging at SIEM and Security Control Level

SafeBreach performs ONLY Network Simulations between Levels 2 and 3+

- Validate Firewall Detection Rules
- Verify Firewall ACL Rules
- Verify Firewall Logging

The SafeBreach Advantage

Largest attack playbook in the industry (30,000+ attacks)

Widest MITRE ATT&CK coverage

Only vendor offering 24-hour SLA for US-CERT and emerging threats

Mature technology partner ecosystem

Scalable, enterprise-ready platform with simple deployment

A partner truly committed to your success

SafeBreach

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