

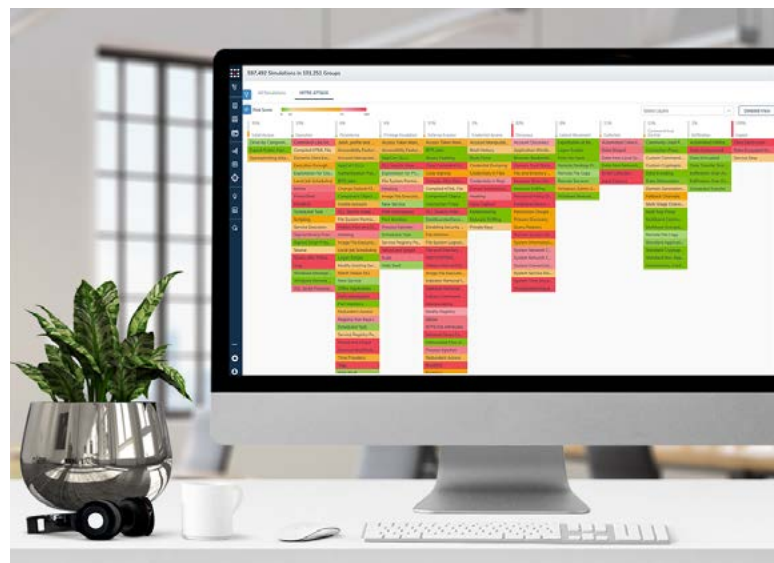
Validate your Palo Alto Networks Security Controls with SafeBreach



Joint Solution Brief

Security Operations teams understand how critical it is to maintain the effectiveness of their network security controls, in large part because configuration and policy drift can occur at any time. Most security teams lack the tools to accurately and continuously test and visualize their security posture. SafeBreach provides continuous validation of security controls and rapid remediation for Palo Alto Networks Panorama.

The integration of SafeBreach, the leading Breach and Attack Simulation (BAS) solution, and Palo Alto Networks® Security Operating Platform, which prevents successful cyber-attacks through intelligent automation, enables security professionals to simulate attack methods against their deployed network security controls. The simulation results are correlated and enriched with network-related security data. This continuously validates an organization's security posture against cyber-attacks and automates the combined processes of breach investigation, remediation, and prevention.



SafeBreach MITRE ATT&CK heat map simulation results based on threat group tactics and techniques or specific malware type

Use Case 1

Validate Next-Gen Firewall Configurations and Policies are Set to Best Protect Your Enterprise:

SafeBreach's patented simulation technology and the most comprehensive Hacker's Playbook in the industry allows you to continually and safely test and report on the readiness of network infrastructure against real-life cyber-attacks. You can simulate attack methods by threat groups, TTPs, specific malware or create your own attack method. The capability to visually display attack paths and security gaps makes it faster and easier to analyze, prioritize and continuously improve your network security posture.

SafeBreach enables security teams to:

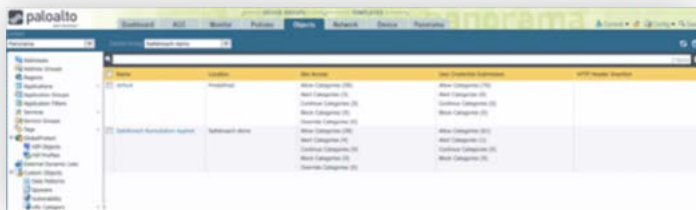
- Automatically correlate simulation results against Panorama to quickly identify any configuration or policy gaps.
- Analyze which attack methods were stopped, prevented, detected or missed.
- Identify network paths to quickly highlight where data can be exfiltrated from the organization.
- Align to the MITRE ATT&CK framework and better evaluate overall organization readiness and security posture.

Use Case 2

Easily Prioritize and Remediate All Vulnerabilities and Issues that are Identified by Simulated Attacks.

SafeBreach mitigation insights for network access and network inspection security controls and configurations can be shared with Palo Alto Networks Panorama.

As a result, security and network teams can holistically and effectively remediate the organization's critical exposures. Users can resolve numerous simulations simultaneously, using detailed mitigation data collected from Palo Alto Networks Panorama.



Key Benefits

- Validate that Palo Alto Networks Panorama security controls are deployed correctly and configured optimally, ensuring protection against known threats.
- Reduce the time to detect, prevent, and respond to attacks.
- Reduce overall attack surface by optimizing Palo Alto Networks Panorama security controls based on real-life attack scenarios.

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About SafeBreach

SafeBreach simulates thousands of attack methods to provide a hacker's view of an organization's security posture, paint a picture of the security exposures to an enterprise and prioritize remediation, securing against TTPs. SafeBreach Labs is dedicated to threat research from real-world investigation with the most extensive breach and attack methods in the industry with over 10,000 attack methods and growing. SafeBreach is privately held and is headquartered in Sunnyvale, California with an office in Tel Aviv, Israel.

For more information, visit safebreach.com

About Palo Alto Networks

Palo Alto Networks, the global cybersecurity leader, is shaping the cloud-centric future with technology that is transforming the way people and organizations operate. Our mission is to be the cybersecurity partner of choice, protecting our digital way of life. We help address the world's greatest security challenges with continuous innovation that seizes the latest breakthroughs in artificial intelligence, analytics, automation, and orchestration. By delivering an integrated platform and empowering a growing ecosystem of partners, we are at the forefront of protecting tens of thousands of organizations across clouds, networks, and mobile devices. Our vision is a world where each day is safer and more secure than the one before.

For more information, visit paloaltonetworks.com

Breach and Attack Simulation

For Security Control Validation



Simulate Attacks to Test Your Defenses



Visualize Your Security Posture with Data-Driven Results



Remediate Holistically to Defend Your Enterprise