

Test the Efficacy of Your Security Controls with Cortex XDR™ and SafeBreach



Joint Solution Brief

CISOs and security teams seek to maximize the impact of their security controls and proactively manage their risk and security posture. The biggest reason security controls fail today is that they are improperly configured or have drifted over time. SafeBreach automatically executes tens of thousands of attacks, safely and continuously, from its extensive and growing Hacker's Playbook™ to validate the effectiveness of an organization's security controls. The attacks are presented in several perspectives for fast, full comprehension of the attack sequence and focus on the relevant security gaps. Additionally, outcome-driven results are presented in the form of SafeBreach Insights to holistically remediate security controls for highly effective hardening of the enterprise defenses.

The integration of SafeBreach with Cortex XDR empowers security teams to maximize the efficiency and effectiveness of the security controls by analyzing how they perform against known attacks, identifying any gaps, and enabling close remediation of those gaps. Continuous validation of security controls provides a baseline and aids security teams to manage risk over time. The solution even goes one step further by allowing security teams to score, visualize and operationalize MITRE ATT&CK® reporting.

Challenge

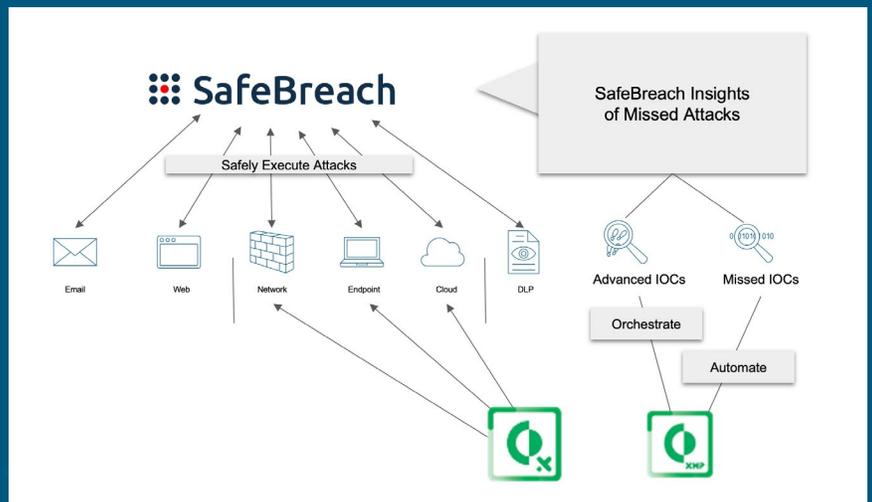
In the quest to defend the enterprise amid the ever-changing threat landscape, security teams have implemented numerous tools and processes to prevent devastating attacks that could jeopardize the business. No matter how sophisticated the security stack, there is a clear lack of visibility into the performance of all security controls. Teams struggle to understand if the many controls deployed are configured correctly, which controls will prevent, detect, or completely miss an attack, and how the controls will work together against threat groups that pose a risk to the business.

Use Case 1

Closed-loop remediation of indicators of compromise (IOCs)

Solution

SafeBreach executes attacks from known threat groups, safely and continuously, to bring visibility into which controls prevented an attack and which attacks sailed past security controls. The dedicated SafeBreach Labs team monitors the threat landscape for the changes in IOCs to ensure the SafeBreach Hacker's Playbook is safely executing attacks with the latest IOCs. The integration with Cortex XDR tests the attacks against your Cortex XDR endpoint protection controls to validate attacks that Cortex XDR blocked, and identify which IOCs were not blocked. In the case of any attack being missed, SafeBreach, Cortex XDR and Cortex XSOAR work in combination to ensure that indicators of compromise (IOCs) that were not blocked will be automatically remediated. The tight integration also reruns the attacks to ensure closed-loop remediation of security gaps and misconfigurations.



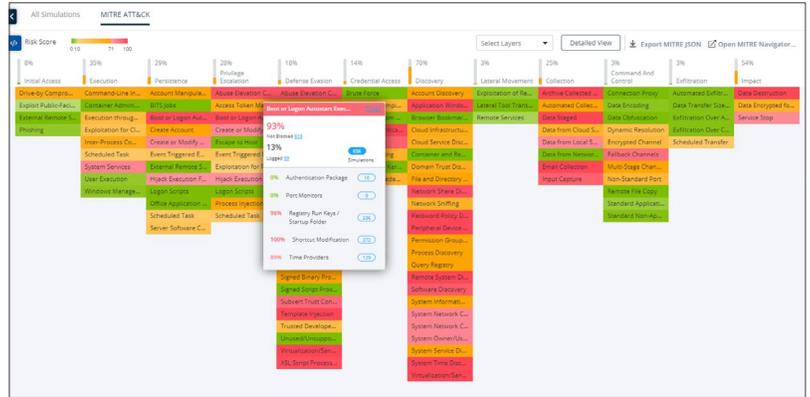
SafeBreach, Cortex XDR, and Cortex XSOAR help automate remediation of behavioral and non-behavioral IOCs

Use Case 2

Operationalize MITRE ATT&CK® Reporting & Remediation

Solution

SafeBreach Hacker's Playbook contains tens of thousands of breach and attack methods that continuously tests your email, web, network, endpoint, data leak, cloud, and container controls. The integration of Cortex XDR with SafeBreach enables customers to identify which attacks were blocked, detected, or missed on endpoint controls. The insights from validating controls are heat mapped to the MITRE ATT&CK framework enabling security teams to focus their efforts on the highest priority gaps. SafeBreach also prioritizes the remediation insights enabling the most efficient responses to improve your risk posture. The remediation insights can be further automated with the Cortex XSOAR integration with SafeBreach where Cortex XSOAR will ingest the missed IOCs and build playbooks to automatically update endpoint and network controls to reduce dwell time of attacks that have been proven to breach your environment.



MITRE ATT&CK board in the SafeBreach Platform

Integration Benefits

Together, SafeBreach and Palo Alto Networks Cortex XDR:



Provide unparalleled levels of visibility into endpoint security control performance



Continuously execute attacks to baseline, monitor and detect any deviation in coverage



Optimize endpoint configurations with SafeBreach Insight remediations



Automate remediation of behavioral and non-behavioral indicators of compromise with Cortex XSOAR

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About SafeBreach

SafeBreach safely and continuously executes thousands of attack behaviors covering the full kill chain to provide a hacker's view into the enterprise security controls and provides a prioritized remediation plan to improve the organization's risk profile. SafeBreach is privately held and is headquartered in Sunnyvale, California with an office in Tel Aviv, Israel.

For more information, visit safebreach.com

About Cortex® XDR™

Cortex® XDR™ is the world's first extended detection and response platform that integrates endpoint, network, and cloud data to stop sophisticated attacks. It unifies prevention, detection, investigation, and response in one platform for unrivaled security and operational efficiency.

For more information, visit paloaltonetworks.com/cortex/cortex-xdr