perimeterx | Product Brief

PerimeterX Credential Intelligence™

Prevent Fraud by Stopping Real-World Credential Stuffing Attacks

Security, fraud, risk, compliance and engineering teams spend significant resources combating credential stuffing and account takeover (ATO) attacks. Many of these attacks use compromised credentials — usernames, email addresses and matching passwords — acquired from a data breach or purchased on the dark web. When validated in a credential stuffing attack, they become valuable to cybercriminals, enabling them to gain unauthorized access to legitimate user accounts. With them, they can transfer funds, use stored credit cards, deplete gift cards and loyalty points, redeem airline miles, and submit fraudulent credit applications. Widespread attacks on customer accounts can cause considerable damage to brand reputation, disrupt consumers' digital experience and lead to regulatory fines.

PerimeterX Credential Intelligence

PerimeterX Credential Intelligence is a cloud-native web app security solution that flags and stops the use of compromised credentials on websites and mobile apps in real-time. It leverages an expansive, dynamic and up-to-date database of information that PerimeterX gathers from its position protecting some of the most popular and highly-trafficked sites on the web. The PerimeterX database is built from active credential stuffing attacks in the wild, providing a new level of intelligence that enables organizations to get early signals that cybercriminals are attempting to use stolen usernames and passwords on their site, and to take mitigating action before any damage is done. It also warns real users that their credentials have been breached and triggers a password reset.

Unlike other solutions that rely only on static lists, Credential Intelligence is based on insight into current and active credential stuffing attacks. It stops the use of stolen credentials up front, decreasing fraud claims and saving money in the form of lower transaction fees and fewer write-offs. The solution also helps businesses provide additional value to their consumers and account holders by making sure that their accounts cannot be taken over by a bot or cybercriminal, improving customer satisfaction and protecting brand reputation.

Ensure Customer Accounts are Safe

By detecting and preventing the use of compromised credentials before an ATO takes place, PerimeterX ends the viability of stuffing attacks. Further, the PerimeterX solution provides a strong disincentive for future attacks. And once PerimeterX blocks stolen usernames and passwords for one customer, all customers benefit from this intelligence.

Benefits to Your Digital Business

Protect Your Most Loyal and Vulnerable Customers

Build brand loyalty, protect customers' most valuable assets and identity, reduce social media exposure.

Reduce Risk and Preserve Your Brand Reputation

Maintain your brand reputation, eradicate the cycle of credential stuffing on your site and increase your customers' confidence and trust.

Improve Operational Efficiency

Reduce customer complaints and support calls associated with password resets and refund requests, avoid write-offs and chargebacks and defend against regulatory fines.

How It Works

Collect

A real-time database of credentials actively being used in real-world attacks.

Detect

Processes the hashed login attempt at the PerimeterX Enforcer using an asynchronous call to the PerimeterX Detector to determine if the login attempt is a human or a bot.

Mitigate

Blocks unwanted credential stuffing and ATO attempts in real-time. Mitigation is done by the authenticating web app or CIAM solution.

Learn

Continuously validates and updates stolen credentials in the database. Network effect constantly improves fraud detection.

The PerimeterX Advantage: Better Together

Credential Intelligence harnesses the power of PerimeterX Bot Defender® to offer an additional layer of defense to stop the use of stolen usernames and passwords on your website or mobile app. Bot Defender blocks credential stuffing attacks, thus preventing potential ATO. However, blocking credential stuffing attempts does not stop attackers from future attempts; the same list of credentials is still as relevant as before they were stopped on a site protected by PerimeterX. Credential Intelligence flips the script on the basic economic viability of credential stuffing attacks by making the lists of compromised credentials irrelevant and useless in the future for any sites it protects. Furthermore, because the database comprises information that PerimeterX brings together from multiple customers, once credentials are blocked for one customer, all customers get the benefit. Credential Intelligence works in line with an organization's traffic; no integration is necessary to match credentials, passing the information as part of the existing login flow, with no negative impact on performance.

> We've seen a significant improvement in our ability to proactively prevent attacks which really takes the pressure off our team. Customer complaints have also decreased now that accounts are secure and we no longer have outages due to spikes in credential stuffing attempts.
>
> Principal Product Security Engineer at a Global E-Commerce Retailer

Powered by the PerimeterX Platform

Credential Intelligence runs on the PerimeterX Platform, a set of cloud-native infrastructure and services that powers an award-winning suite of application protection solutions enabling full visibility and control of your web and mobile applications and APIs. The platform seamlessly integrates into an enterprise's existing infrastructure and automatically scales to meet demand — no changes or migration required. Credential Intelligence complements PerimeterX Bot Defender as an additional layer of protection, safeguarding consumers by detecting and stopping the theft, validation and fraudulent use of their sensitive identity and account information.

About PerimeterX

PerimeterX is the leading provider of solutions that detect and stop the abuse of identity and account information on the web. Its cloud native solutions detect risks to your web applications and proactively manage them, freeing you to focus on growth and innovation. The world's largest and most reputable websites and mobile applications count on PerimeterX to disrupt the lifecycle of web attacks and safeguard their consumers' digital experience. PerimeterX is headquartered in San Mateo, California and at www.perimeterx.com.

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