VeriClouds Overview

The VeriClouds Identity Threat Detection and Response Platform is a risk insight management platform designed to block stolen credentials from being used during login by providing visibility, rapid detection, and automated remediation using patented CredVerify technology.

By recovering, aggregating, processing, and monitoring billions of credentials recovered from data breaches and the dark web, VeriClouds provides a robust and secure framework for viewing, detecting, and remediating compromised credentials.

Through real-time checks against credential threat intelligence, identity providers and security teams can enforce strong authentication and identity assurance across SaaS and on-premises environments with standard restful API integrations and solution accelerators. This approach complements existing MFA investments and ensures that stolen credentials are not used as a weapon during account takeover or credential stuffing attacks.

Product Features

Credential Verification

- Comprehensive visibility into the risk of compromised credentials

- Enhanced credential security for the user management lifecycle

- Continuous monitoring and detection of compromised credentials for the entire organization (user and org level)

- Secure credential verification with k-anonymity protection

Automated Detection and Response

- Pre-integrated with popular identity providers and authentication systems

- Automate step-up authentication and password reset based on indicators of compromise

- Receive push notifications from the CredVerify SSE transmitter when credentials are compromised or stolen

Aligned with Security & Compliance Initiatives

- Enforces NIST 800-63b by screening new passwords against passwords obtained from previous data breaches

- Helps organizations comply with the California Privacy Rights Act (CPRA) of 2020 by automating the detection and response to compromised credentials

- Sensitive credentials are masked and encrypted to prevent abuse

Benefits

Rapid Deployment
Deploy in 30 minutes and be operational in 1 day

Immediate ROI
Reduce the risk and cost of in-house dark web research by up to 100%

Solution Accelerators
Improve time-to-value with pre-integrated connectors to popular IAM systems

Comprehensive Visibility
Gain deep actionable insights with superior visibility into more than 28 billion leaked credentials

Automated Remediation
Automation reduces the risk of successful account take-over attacks and stops preventable breaches before fraud is committed.

Continuous Monitoring
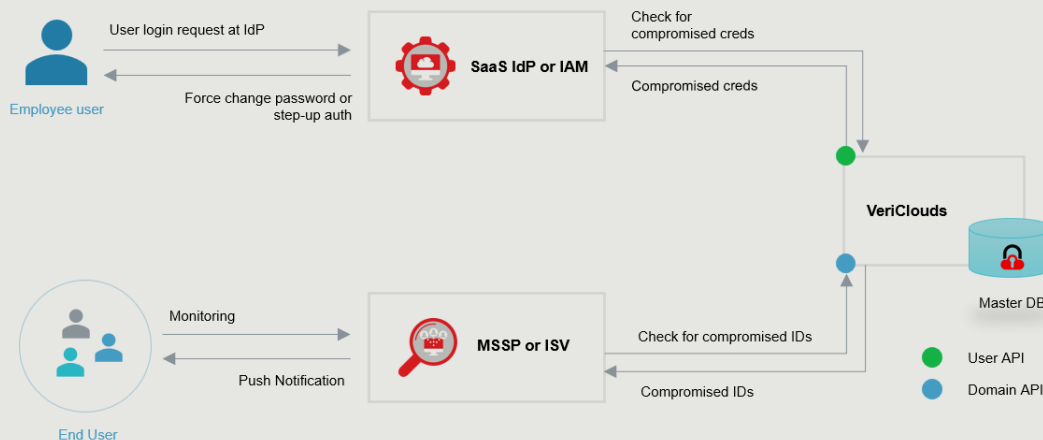Monitors key executives, privileged users, domains, or specific accounts 24/7

Compliance Proof
Demonstrate compliance with NIST guidelines, GDPR, or specific California privacy regulations.

How It Works

Technology and Implementation

The VeriClouds Identity Threat Intelligence Platform (iTIP) is comprised of two components: CredVerify and CredMonitor. CredVerify is a patented API service hosted in the VeriClouds cloud designed to block the use of stolen usernames and passwords in real-time. CredMonitor is a private portal that provides visibility, reporting, and notification of compromised credentials, and customization of the service. The platform is a set of modular capabilities that include automated scripts for data collection and secure handling, data mining, masking, encryption, and analytics.

Employee user — User login request at IdP → SaaS IdP or IAM — Force change password or step-up auth — Check for compromised creds — Compromised creds — VeriClouds — Master DB

End User — Monitoring → MSSP or ISV — Push Notification — Check for compromised IDs — Compromised IDs — User API — Domain API

Rapid Time to Value

The VeriClouds time-to-value is immediate. Once the solution is provisioned, in an average of 30 minutes or less, the service immediately begins pulling credential threat intelligence from the database into the private portal. Customers can integrate the patented CredVerify API into their IAM systems and get actionable intelligence immediately.

Typically, VeriClouds customers reassign researchers that conducted dark web research to other projects that deliver more strategic value to the business, reducing significant risks and costs associated with doing this research in-house.

Differentiators

- CredVerify is a patented identity threat intelligence solution built with Privacy by Design

- One of the largest repositories of compromised credentials, curated by a team of security researchers since 2016

- Integrated with Identity Providers like Okta, AD, Ping Identity, ForgeRock, SailPoint, and One Identity

- Only credential threat intelligence company leading innovation and support for the OpenID Foundation's Shared Signals Frameword (SSF) standard, driving rapid time to value and global adoption

- The ability to detect – and verify – when the password being used is weak, stolen, or compromised

- A team of professionals with deep IAM and security expertise dedicated to your success

What our customers are saying

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Prior to VeriClouds, several of my security teams relied on Have I Been Pwned which has all the stuff in public breaches. Using a 3rd party service who are good stewards of more sensitive breach data was important to us to complement our own internal capabilities. That is an area we did due diligence with VeriClouds.

- John Donovan, Former CISO, Malwarebytes

Data Points

100%
ROI

30 mins
Deploy

24 hours
Fully operational

Additional Resources

- VeriClouds Risk Assessment whitepaper
- VeriClouds CredVerify datasheet
- Okta partner page
- ForgeRock partner page