

CYBERARK PRIVILEGED ACCOUNT SECURITY SOLUTION AND SECUREAUTH IDP



The Challenge

Every year, organizations spend millions of dollars on network and endpoint security, yet breaches continue to happen. To better protect themselves, organizations need to understand that most attacks involve the use of valid user credentials that have been compromised. That is, once attackers are inside your network, they use the credentials they have obtained to move laterally throughout the network and carry out their mission. This is why securing identities has become today's security perimeter — and why securing privileged credentials is particularly critical. In this new reality, authentication systems that are limited to a username and password, or even those that require just a second factor, are no longer sufficient to protect your data and applications.

The Solution

The best protection against the use of stolen or otherwise compromised credentials is strong adaptive access controls that block attackers without disrupting legitimate users. SecureAuth has partnered with CyberArk to provide the industry's most comprehensive solution to protect privileged accounts from misuse at the identity perimeter. CyberArk Privileged Account Security integrates seamlessly with SecureAuth IdP's adaptive and multi-factor authentication to ensure that only authorized users can access privileged accounts — protecting your network with minimal user disruption.

Specifically, SecureAuth IdP adds a layer of strong authentication to CyberArk's privileged account security, protecting access to privileged accounts with pre-authentication risk analysis, multi-factor authentication, and continuous authentication through behavioral biometrics. This additional layer of security does not disrupt the user experience — in fact, it enhances it by providing authorized privileged users with single sign-on access to applications and resources across the enterprise.

The combination of SecureAuth and CyberArk offers:

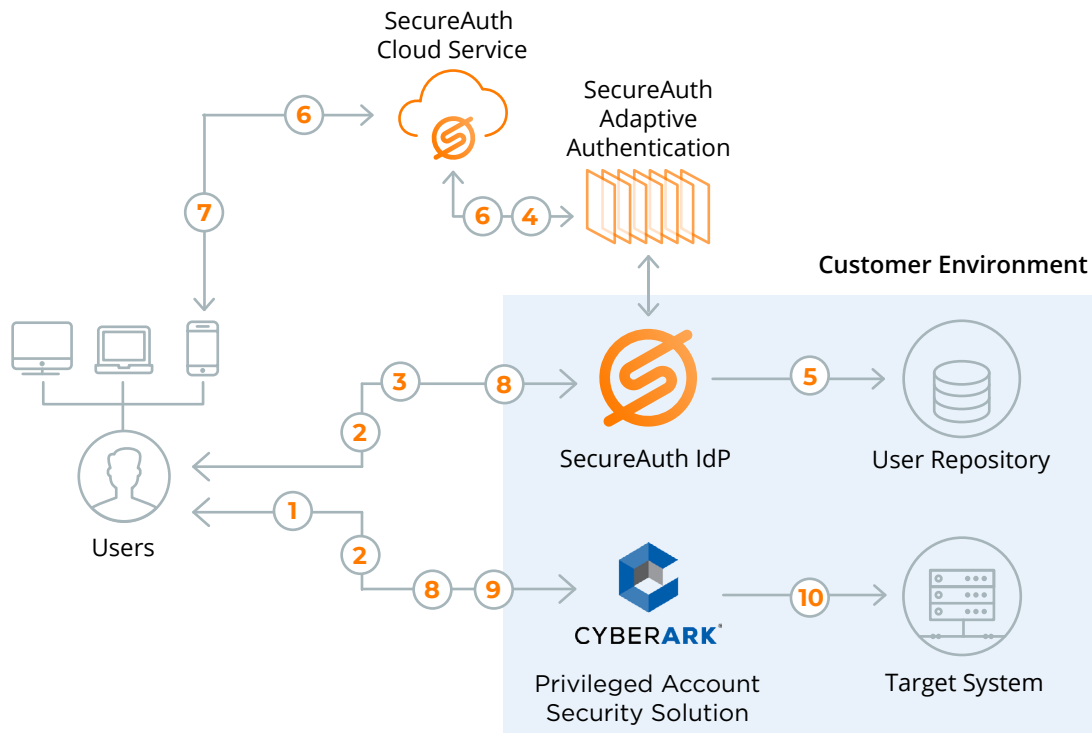
- + Adaptive access control: Secure access to the CyberArk solution with minimal disruption to users
- + Flexible workflows: Enable administrators to have different authentication workflows based on the situation or environment
- + Simplified strong authentication: Extend SecureAuth single-sign-on authentication to the CyberArk solution, enabling centralized, secure access to other applications and resources

Solution Highlights

- + Pre-authentication risk analysis that increases security without burdening legitimate users
- + Integration with the CyberArk solution that provides an extra layer of access control to ensure access for authorized privileged users only
- + Support for 20+ authentication methods (including SMS and push-to-accept)
- + Flexible authentication workflows for different types of users — admins, business users, third-party providers, etc.
- + Enterprise-wide single sign-on
- + Standards-based architecture that augments existing security investments
- + Self-service password reset and account unlock to reduce help desk calls

CyberArk Application Identity Manager and SecureAuth IdP

CyberArk Application Identity Manager integrated with SecureAuth IdP provides organizations with a secured adaptive authentication solution, whereby all privileged credentials used by SecureAuth IdP to connect to different identity stores (datastores) are secured and managed by the CyberArk solution.



- 1 User attempts to access CyberArk Password Vault Web Access (PWWA)
- 2 CyberArk's PWWA generates SAML 2.0 Authentication Request, redirecting user to SecureAuth IdP (SA) for Authentication
- 3 SecureAuth IdP prompts user for authentication
- 4 SecureAuth IdP checks multiple risk factors, including threat services, for risk profile
- 5 SecureAuth IdP validates user credentials against user store
- 6 SecureAuth IdP sends notification to user's registered mobile device (ie. push, SMS)
- 7 User accepts token on mobile device, cloud service accepts authentication
- 8 SecureAuth IdP generates SAML 2.0 Response and redirects browser to CyberArk's PWWA
- 9 CyberArk's PWWA validates SAML 2.0 Response and authorizes user
- 10 User is able to access target system and other resources through single sign on

About SecureAuth

SecureAuth empowers organizations to determine identities with confidence. SecureAuth IdP provides authentication security, single sign-on, and user self-service tools together in a single platform, enabling strong identity security while minimizing disruption for legitimate users.

Learn more at www.secureauth.com

About CyberArk

CyberArk is the only security company that proactively stops the most advanced cyber threats — those that exploit insider privileges to attack the heart of the enterprise. The company has pioneered a new category of targeted security solutions to protect against cyber threats before attacks can escalate and do irreparable business damage.