



CYBERARK®

Enhanced Access Control to CyberArk with Duo Security

Moving Towards a Zero-trust Framework

Most enterprises today exist and operate in a hybrid cloud environment with systems and applications geographically dispersed around the world. Maintaining policies that effectively secure the accounts and credentials that provide access to sensitive data and critical personal information (PI) is challenging – especially as businesses continue to grow and the security landscape evolves.

As more organizations move beyond traditional perimeter security models, they are placing tighter controls at the application level rather than the network level. That involves authentication, authorization, centralizing access and establishing privileged login policies. This leads to better security for sensitive data.

Zero-Trust Visibility and Control for CyberArk Applications

Duo provides a consistent authentication and access management experience for users logging into the CyberArk Privileged Access Security Solution as well as many other applications. Additional security measures typically create user frustration if there's inconsistency across different applications. Duo Secure Single Sign-On (SSO) layers strong user authentication and device authorization with a granular policy engine on top of the CyberArk Privileged Account Security Solution logins with support for multiple authentication protocols (e.g. WebSDK, SAML, LDAP, RADIUS). For example, security administrators can enforce only authorized users on corporate managed devices with up-to-date operating systems can access the CyberArk Privileged Access Security Solution.

Additionally, Duo provides in-depth visibility into administrative logins to the CyberArk solution. Logging every authentication attempt and even offering insight into the posture of devices accessing and authenticating to CyberArk. Administrators can leverage this information to better understand the security posture of their device fleet, such as software versions and various security configurations such as screenlock and disk encryption. All of this can be achieved without installing any agents on an end-user's device for true 'bring your own device' (BYOD) coverage.

Best-of-Breed Security

With Duo and CyberArk, administrators get best-of-breed protection for both access control and privileged access security. Duo builds security into each stage of its operations, including customer data handling, code release, upgrades, patch management, and security policies. As a result, its strict security practices meet or exceed industry compliance standards, including PCI DSS, OWASP, ISO 27001, NIST 800, EPCS, and FIPS 140-2. CyberArk is the market share leader and trusted expert in privileged access security. Designed from the ground up for security, the CyberArk Privileged

Access Security Solution provides the most comprehensive solution for all systems on-premises and in the cloud, from every endpoint, through the DevOps pipeline.

The complete enterprise-ready Privileged Access Security Solution is tamper-resistant, scalable and built for complex distributed environments to provide the utmost protection from advanced external and insider threats.

Joint Solution Highlights



Bolster privileged access security through the enforcement of Duo policies to secure access to the CyberArk Privileged Access Security Solution



Supports “zero-trust” principles by invoking strong user authentication and device authorization for enterprises in hybrid environments



Seamless integration enables fast and easy deployment with just a few clicks in production environments

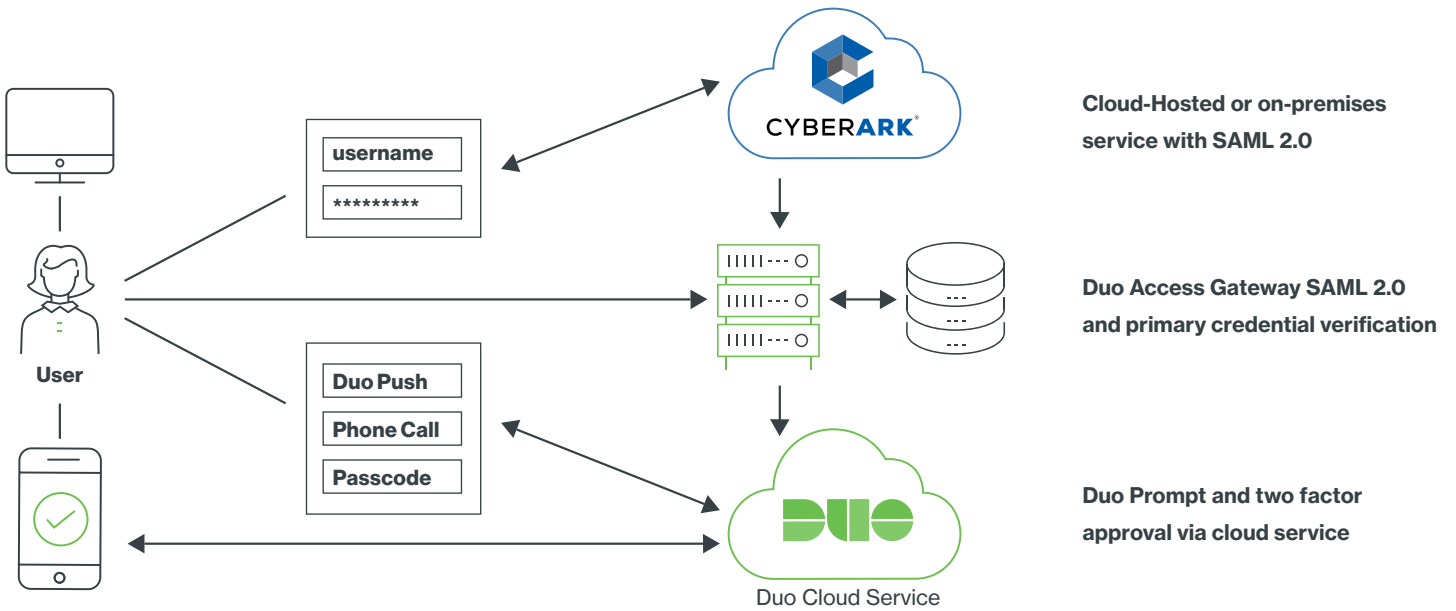


Figure 1. Network architecture showing a user authenticating to the CyberArk Privileged Access Security Solution via the SAML protocol.

Summary

The integration of Duo and the CyberArk Privileged Access Security solution ensures that only authorized privileged users on secure devices can access their accounts. The joint solution helps support “zero-trust” initiatives via strong user authentication, authorization based on the trustworthiness of the device (management status, software versions, security properties, etc.), and a flexible policy engine that can manage access for both privileged and non-privileged users.

The ease of deployment and management of both solutions allows organizations to:

- Quickly scale to a massive number of users and applications
- Gain valuable security insight into the hygiene of every endpoint
- Provide a consistent authentication and access management experience for all users



Duo is the worldwide leader in providing Trusted Access for companies of all sizes. Duo Security protects organizations against data breaches by ensuring only legitimate users and trusted devices have access to sensitive data and applications – anytime, anywhere. Duo supports thousands of customers and millions of users in organizations like Accenture, Boston Medical, Emblem Health, Facebook, Twitter, Virginia Tech, Yelp and many others. **Start your free trial at duo.com.**



CyberArk is the global leader in privileged access security, a critical layer of IT security to protect data, infrastructure and assets across the enterprise, in the cloud and throughout the DevOps pipeline. CyberArk delivers the industry’s most complete solution to reduce risk created by privileged credentials and secrets. **To learn more, visit www.cyberark.com.**