Privileged Account Security Solution

Best practices dictate that privileged accounts should be incorporated into an organization's core security strategy. Privileged accounts are a security problem and need singular controls put in place to protect, monitor, detect and respond to all privileged account activity.

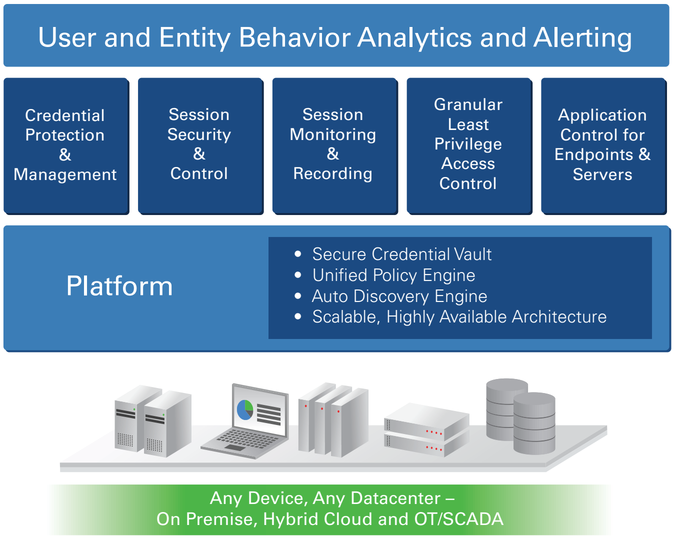
Why CyberArk?

CyberArk is the only company that can provide full protection from advanced and insider threats to mitigate your risks and meet high stakes compliance requirements. CyberArk has more deployments in large-scale distributed and virtual environments, solving more privileged account security challenges than any other vendor.

Privileged accounts represent the largest security vulnerability an organization faces today. These powerful accounts are used in nearly every cyber-attack, and they allow anyone who gains possession of them to control organization resources, disable security systems, and access vast amounts of sensitive data.

To protect these accounts and the critical resources they provide access to, organizations need comprehensive controls in place to protect, monitor, detect and respond to all privileged account activity.

CyberArk is the trusted expert in privileged account security. Designed from the ground up for security, the CyberArk Privileged Account Security Solution provides the most comprehensive solution for on-premises, cloud and ICS environments. This complete enterprise-ready Privileged Account Security Solution is tamper-proof, scalable and built for complex distributed environments to provide the utmost protection from advanced external and insider threats.



User and Entity Behavior Analytics and Alerting

Credential Protection & Management

Session Security & Control

Session Monitoring & Recording

Granular Least Privilege Access Control

Application Control for Endpoints & Servers

Platform

- Secure Credential Vault
- Unified Policy Engine
- Auto Discovery Engine
- Scalable, Highly Available Architecture

Any Device, Any Datacenter –
On Premise, Hybrid Cloud and OT/SCADA

CyberArk Shared Technology Platform:

Digital Vault™ : The award-winning, patented Digital Vault is an isolated and bastion hardened server with FIPS 140-2 encryption that only responds to the vault protocols for unmatched security.

Master Policy™ : Master Policy is an innovative policy engine that enables customers to set, manage and monitor privileged account security policy in a single, simple, natural language interface.

Discovery Engine: Designed to continually discover changes to your IT environment, the discovery engine enables constant up-to-date protection and ensures that all privileged account activity is accounted for and secure.

Scalable, Flexible, Low-Impact Architecture: CyberArk's Privileged Account Security Solution was architected for minimal impact and protects your existing investment in your current IT environment.

Enterprise-Class Integration: CyberArk's Privileged Account Security Solution enables organizations to leverage existing investments with out-of-the-box support for numerous devices, networks, servers and applications, including websites and social media.

Privileged Account Security Products

Every product in the CyberArk Privileged Account Security Solution is stand-alone and can be managed independently while still sharing resources and data from the common infrastructure. Working together the products provide a complete, secure solution.

Enterprise Password Vault™ - *Protection, management and audit of privileged credentials*

Enterprise Password Vault centrally secures and controls access to privileged passwords based on privileged account security policies. Automated password rotation reduces the time-consuming and error-prone task of manually tracking and updating privileged passwords to easily meet audit and compliance standards.

SSH Key Manager™ - *Management, rotation and protection of privileged SSH keys*

SSH Key Manager is designed to prevent unauthorized access to privileged accounts protected by SSH keys. SSH Key Manager securely stores and controls access to private SSH keys, automatically rotates SSH key pairs, and enables organizations to report on who used what keys and when.

Privileged Session Manager™ - *Monitoring, control and isolation of privileged sessions*

Privileged Session Manager acts as a secure jump server to secure privileged user sessions, protect target systems from malware on endpoints and enable privileged account access without exposing sensitive credentials. Monitoring and recording capabilities enable security teams to view privileged sessions in real-time, remotely terminate suspicious sessions and maintain a comprehensive, searchable audit trail of privileged user activity.

Privileged Threat Analytics™ - *Analytics and alerting on malicious privileged account activity*

As the industry's only targeted privileged threat analytics solution, CyberArk Privileged Threat Analytics identifies previously undetectable malicious privileged user activity. By applying patented algorithms to a rich set of privileged account behavioral data, the solution produces accurate, actionable intelligence, allowing incident responders to disrupt and directly respond to attacks.

Application Identity Manager™ - *Protection, management and audit of embedded application credentials*

Application Identity Manager eliminates hard-coded passwords and SSH keys from applications and scripts and replaces them with secure, dynamic credentials. The product is designed to meet high-end enterprise requirements for availability and business continuity, even within complex and distributed network environments. The product replaces static, embedded application account credentials often without requiring code changes and with zero impact on application performance.

On-Demand Privileges Manager™ - *Least privilege access control for Unix and Linux*

On-Demand Privileges Manager allows privileged users to run authorized administrative commands from their native Unix or Linux sessions while eliminating unneeded root privileges. This secure and enterprise-ready sudo-like solution provides unified and correlated logging of all super-user activity, linking it to a personal username while providing the freedom needed to perform job function.

Viewfinity - *Least privilege and application control for endpoints and servers*

Viewfinity enables organizations to revoke local administrator rights without impacting user productivity. The solution enforces least privilege policies for business and administrative users based on role, and privileges can be seamlessly elevated when needed for authorized applications or tasks. Application control capabilities enable organizations to prevent malicious applications from entering the environment while enabling unknown applications to run in a safe, restricted mode.

Start Assessing Your Privileged Account Risk Today With CyberArk DNA™

CyberArk DNA™ (Discovery and Audit) is a free assessment tool that can help organizations understand the scope of privileged account security risks. DNA discovers the location and status of privileged accounts, SSH keys, service accounts, devices, and applications throughout the enterprise. This tool can help organizations prioritize projects, build a business case and plan for a privileged account security project.

CyberArk believes the information in this document is accurate as of its publication date. The information is provided without any express, statutory, or implied warranties and is subject to change without notice.

Specifications

Encryption Algorithms:

- AES-256, RSA-2048
- HSM integration
- FIPS 140-2 validated cryptography

High Availability:

- Clustering support
- Multiple Disaster Recovery sites
- Integration with enterprise backup system

Access and Workflow Management:

- LDAP directories
- Identity and Access Management
- Ticketing and workflow systems

Multi-lingual Portal:

- English, French, German, Spanish, Russian, Japanese, Chinese (Simplified and traditional), Brazilian Portuguese, Korean

Authentication Methods:

- Username and Password, LDAP, Windows authentication, RSA SecurID, Web SSO, RADIUS, PKI and smart cards

Monitoring:

- SIEM integration, SNMP traps, Email notifications

Sample Supported Managed Devices:

- Operating Systems: Windows, *NIX, IBM iSeries, Z/OS, OVMS, HP Tandem, MAC OS, ESX/ESXi, XenServers
- Windows Applications: Service accounts including SQL server service accounts in cluster, Scheduled Tasks, IIS Application Pools, COM+, IIS Anonymous Access, Cluster Service
- Databases: Oracle, MSSQL, DB2, Informix, Sybase, MySQL and any ODBC compliant database
- Security Appliances: CheckPoint, Nokia, Juniper, Cisco, Blue Coat, IBM, TippingPoint, SourceFire, Fortinet, WatchGuard , Industrial Defender, Acme Packet, Critical Path, Symantec, Palo Alto
- Network Devices: Cisco, Juniper, Nortel, HP, 3com, F5, Alactel, Quintum, Brocade, Voltaire, RuggedCom, Avaya, BlueCoat, Radware, Yamaha
- Applications: SAP, WebSphere, WebLogic, JBOSS, Tomcat, Oracle ERP, Peoplesoft, TIBCO, Cisco
- Directories: Microsoft, Sun, Novell, Unix vendors, RSA, CA
- Remote Control and/ Monitoring: IBM, HP iLO, Sun, Dell DRAC, Digi, Cyclades, Fijitsu
- Virtual environments: VMware vCenter and ESX
- Storage: NetApp
- Generic Interfaces: any SSH/Telnet device
- Windows registry any web application e.g. Facebook, Twitter, LinkedIn
- WMI remote command execution
- ODBC - passwords stored in database tables
- Configuration files (flat, INI, XML)* - e.g. application server configuration files or any application/script configuration file