CyberArk Identity Security Platform

The Paradigm Shift to Identity Security

SOLUTION BRIEF

ANY IDENTITY CAN BECOME A PRIVILEGED IDENTITY

The Proliferation of Human Privileges

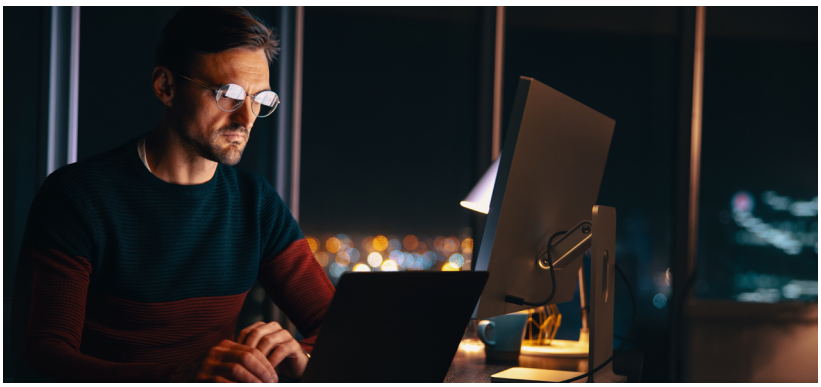
Every employee in today's workforce — regardless of role — has moments throughout their day when they access privileged resources. That's why CyberArk advocates for a modern approach that extends the principles of privileged access management (PAM) across the workforce to enhance security without hindering productivity.

The Rise of Machines

Machine identities now outnumber human identities by more than 80 to 1. The scale and complexity of machine identity ecosystems demand a new level of visibility and control. Without this, organizations risk significant blind spots in their security posture.

AI Is Everywhere

As AI becomes embedded in the way we work, securing the identities tied to AI systems becomes mission-critical. These systems must be governed, monitored, and protected just like any human or machine identity.



Challenge

Modern organizations are navigating an era of exponential change — driven by digital transformation, widespread cloud adoption and the acceleration of artificial intelligence. This transformation has led to an explosive increase in the number and variety of human, machine and AI identities that must be secured. Identity security professionals now find themselves at the center of a rapidly evolving threat landscape.

At the same time, traditional identity security models — designed for static, siloed environments — are proving inadequate. These legacy approaches lack the adaptability, intelligence and integration required to secure today's dynamic IT ecosystems. As a result, organizations face increased exposure to sophisticated cyber threats, diminished operational efficiency and mounting compliance obligations. Without a consolidated identity security strategy, businesses struggle to maintain resilience amid escalating identity volume and complexity.

CyberArk sees a common thread across modern threats: attackers consistently target identities as their entry point. Whether it's nation-state actors infiltrating critical infrastructure, cybercriminals exploiting healthcare systems or advanced persistent threats compromising cryptocurrency exchanges, the goal is often the same: gain access to identities, move laterally, escalate privileges and achieve malicious objectives.

Organizations need a modern identity security platform that is intelligent, adaptive and capable of securing every identity across hybrid, multi-cloud, and on-premises environments. This evolution in approach is not just about defense; it's about building resilience for the future.

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REQUIRED CAPABILITIES

Discovery & Context

Continuous and contextual discovery of all identity types, including human, machine, workload and AI agents.

Intelligent Privilege Controls™

Dynamic, context-aware controls that adapt to evolving identities and threats, ensuring appropriate access while maintaining both security and operational efficiency across all environments. This includes:

- **Session Management**

  Monitors, records and controls sessions for users and machines, offering threat detection, isolation and browser-based protection — even on unmanaged devices.

- **Credential Management**

  Securely stores and manages credentials, including passwords, API keys, certificates and secrets. This includes vaulting, rotation, issuance and synchronization, with support for workload identity issuance and post-quantum-ready credentials.

- **Authentication Management**

  Uses layered authentication and passwordless options to ensure secure access for humans and machines, supporting credential brokering and session initiation/termination.

- **Entitlement Management**

  Enforces least privilege by governing access rights across all environments. Supports just-in-time (JIT) access, zero standing privilege (ZSP), standing and vaulted access and endpoint privilege removal.

Solution

The CyberArk Identity Security Platform is designed to secure any identity — human, machine, or AI — through a unified suite of capabilities including discovery, intelligent privilege controls, policy automation, lifecycle management and governance, all enriched by CORA AI.

CORA AI powers faster threat detection, AI-based session auditing, policy recommendations, troubleshooting and natural language onboarding, enabling security teams to act in real time and improve performance. A centralized Control Center provides streamlined administration, contextual discovery and risk-based remediation at scale, with dynamic privilege controls that adapt to the context of human users and workloads alike.

Visibility is foundational to identity security. That's why CyberArk delivers continuous, context-rich discovery across all identities at enterprise scale. Integrations with platforms like Wiz enhance native capabilities, uncovering privileged accounts, secrets and workloads. AI-driven remediation enables automatic onboarding and privilege adjustments, giving teams the insight and tools to reduce identity risk quickly and efficiently.

Built on evolved PAM principles, CyberArk intelligent privilege controls span the full identity lifecycle — encompassing credential, authentication, session and entitlement management. Critical resources remain protected through passwordless access, adaptive authentication and just-in-time privileges with zero standing access.

REQUIRED CAPABILITIES (CONTINUED)

Automated Policy Recommendations

Applies differentiated, AI-driven policy guidance based on real-time risk signals and operational complexity — ensuring the right control, every time.

Automated Lifecycle Management

Secures human and machine identities across their full lifecycle. Accelerates provisioning, reduces errors, and ensures permissions align with roles — at speed and scale.

Governance & Compliance

Delivers incredible time to value across user access reviews, auditing and reporting. Easily connects all applications to automate every step of access reviews.

CyberArk also automates credential rotation and access decisions through AI-driven policy enforcement, and its identity governance and administration (IGA) streamlines provisioning, onboarding and role-based access while maintaining compliance through audit-ready reporting.

By unifying discovery, adaptive privilege controls, lifecycle management and governance in one platform, CyberArk empowers organizations to reduce identity-related risk, strengthen operational efficiency, and build resilience across hybrid and multi-cloud environments.

Learn more about the CyberArk Identity Security Platform.

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