Privileged Identity Management Suite 7.0

The Privileged Identity Management Suite is an enterprise-class, unified policy-based solution that secures, manages and tracks all privileged accounts and activities associated with datacenter management whether on-premise or in the cloud.

THE CHALLENGE

In today's environment, organizations spend a great deal of resources building an infrastructure for securing their enterprise, assuring business continuity and meeting compliance requirements. Typical enterprise IT environments are comprised of hundreds or thousands of servers, databases, virtual machines, network devices and applications, all controlled and managed by a variety of privileged and shared administrative identities—some forms of which are known as breakglass, emergency or fire IDs—which are the most powerful in any organization. This includes the “root” or “oracle” accounts on UNIX/Linux, Administrator in Windows, ESX “root”, Cisco Enable, Oracle database system/sys, MSSQL sa and many more. Ironically, the security, control and auditability of these privileged identities is often neglected, their usage difficult to monitor, and their passwords less frequently changed than personal non-privileged accounts, if at all.

In some cases, these identities are required not only by the internal IT personnel but also by external 3rd party vendors and thus require extra care, such as secure remote access and secure session initiation without exposing the credentials. In virtual environments, the privileged account enables wider system access to multiple guest machines and puts the organization at a far greater risk should the privileged account be compromised. Whether your datacenter is on premise, managed, hosted or in the cloud, mismanagement of the “Keys to the Kingdom”, imposes great risk to organizations:

- **Internal and External Threats**
  
  In many organizations, the same root or Administrator password is used across the organization, making it easier for a disgruntled insider to abruptly take down core systems, access or steal sensitive information, or even take control of key business systems.
Facts & Figures:
Cyber-Ark secures 8 of the 10 largest banks in the world.

1 in every 3 Fortune 50 companies have selected Cyber-Ark.

Privileged Identity Management Suite delivers one central console for managing, tracking and viewing all the forms of privileged accounts that access your most sensitive systems across your organization’s IT infrastructure and the privileged commands that are run on them.

Not only are insider threats on the rise but external threats are increasingly penetrating the organization and abusing privileged accounts to cause detrimental damage. These attacks are becoming more sophisticated and better targeted and therefore a preventative approach is needed from the start.

- **Loss of Sensitive Information**
  Privileged accounts typically have unlimited access to back end systems. Compromising such accounts may lead to uncontrolled access, bypassing the normal system operation. For instance, this can result in loss of money, regulatory penalties and severe reputational damage.

- **Administrative Overhead**
  With hundreds of systems, privileged identities can be extremely time-consuming to manually update and report on and more prone to human errors. On an enterprise level it becomes impossible. Moreover, inaccessibility of such a password by an on-call administrator may cause hours of delay in recovering from system failure.

- **Audit and Accountability**
  Regulations (such as Sarbanes Oxley, PCI and Basel III) require organizations to provide accountability over who accessed shared accounts, what was done, and whether passwords are protected and updated according to enterprise security policy.

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**THE SOLUTION**

Cyber-Ark’s Privileged Identity Management (PIM) Suite is an enterprise-class, unified policy-based solution that secures, manages and logs all privileged accounts and activities associated with datacenter management, from on premises to off-site, hosted environments and all the way to the cloud.

It protects your critical business systems from multiple parties anonymously accessing them on a daily basis, creating a complete, tamper-proof audit trail while concurrently automating all of the processes associated with privileged account management. Moreover, the PIM suite seamlessly integrates with the full range of systems and assets in your organization for more holistic accountability and operational efficiency.

The PIM Suite also complements Cyber-Ark’s Privileged Session Management Suite which isolates, controls and monitors all privileged session connections to servers, databases and virtual environments. By enabling continuous protection, risk management and compliance of these sensitive systems, the extent to which privileged accounts can potentially damage your business is dramatically minimized.
The Cyber-Ark PIM Suite includes the following products:

**Enterprise Password Vault**
Cyber-Ark’s award-winning Enterprise Password Vault (EPV) enables organizations to secure, manage, automatically discover and change all activities associated with all types of Privileged Accounts, creating a tamper-proof log for reporting purposes. EPV integrates with other leading security products and offers proven scalability and robustness for managing hundreds of thousands of servers, databases, network devices, virtual machines and more.

**Application Identity Manager**
Cyber-Ark’s market-leading Application Identity Manager (AIM) fully addresses the challenges of hard-coded, embedded credentials and encryption keys. The solution eliminates the need to store embedded credentials in applications, scripts or configuration files, and allows these highly sensitive passwords to be centrally stored, audited and managed within Cyber-Ark’s patented Digital Vault. Cyber-Ark’s unique solution provides added value where only trusted applications have access to these credentials, no downtime is experienced when replacing credentials and a secure local cache ensures credentials are always available, even in network outages.

**On-Demand Privileges Manager**
On-Demand Privileges Manager (OPM) is the first unified solution for managing and monitoring superusers and privileged accounts under one roof. Usage of accounts such as ‘root’ users on UNIX is no longer anonymous and can now be controlled by pre-defined granular access control, where both the command itself and the output are recorded. On-Demand Privileges Manager also dramatically improves productivity and security in Windows environments by implementing a ‘least privilege’ policy on desktops and servers.

All products share a common infrastructure for central management and easier expansion. The PIM Portal – a single web-based entry point for accessing and managing privileged accounts across all systems. The Central Policy Manager is a revolutionary engine for privileged account management which automatically manages and enforces enterprise policy on local or remote networks across the enterprise with no human intervention. The Secure Digital Vault, Cyber-Ark’s award-winning patented Digital Vault Technology, protects the privileged credentials and policy information, stores session recordings and information required for audits in tamper-proof format.

**BENEFITS**

**A Preventative Approach Against Threats**
PIM manages, protects and controls access to all privileged accounts and makes hard-coded application credentials invisible to developers, database administrators, third parties and IT staff.

**Meet Compliance and Audit Requirements with Confidence**
The PIM Suite enforces corporate security policies to ensure compliance with regulatory needs and creates easy to use, unified audit reports required by Sarbanes-Oxley, PCI and more.

**Reduce IT Overhead with More Efficient Control and Less Human Error**
PIM eliminates manual administration with extremely reliable and uninterrupted service. Minimal administrator overhead results in increased productivity and is less prone to human errors.

“PIM really is a great, all-round solution – not only does it manage, secure and monitor our privileged accounts, it also allows us to maintain compliance with a number of regulations, such as Sarbanes Oxley, which is hugely beneficial to us.”

Karon Davies, Global Security Privileged Access Manager, BT
LEADER IN PRIVILEGED IDENTITY MANAGEMENT

Secure the Private Cloud
Automating privileged account management in the private cloud means greater efficiency to discover, manage and monitor ESX hypervisors and guest machines without compromising on security.

Fast and Easy Adoption Means Short Time to Value
PIM is quick to deploy with a proven track record of improving IT productivity. Our experience spans hundreds of enterprise customers in all verticals, providing immediate ROI.

Enterprise-Ready
With industry leading performance, scalability and robustness, PIM can protect and manage up to hundreds of thousands of privileged accounts across a highly heterogeneous IT environment, with complex and distributed network architectures. PIM can leverage existing enterprise infrastructure and integrate with core corporate systems.

FEATURES
From streamlining privileged account management to delivering the rock-solid security of a Digital Vault, the many benefits of the Privileged Identity Management Suite are powered by a robust set of system capabilities, such as:

Security and Audit
- Highly secure storage for controlling the “Keys to the Kingdom” utilizing FIPS 140-2 validated cryptography
- Centralized audit management through built-in audit-ready reports as well as self-serve access for auditors and scheduled reports sent directly to the auditor’s inbox for periodic reviews
- Sophisticated and flexible web portal for creating personalized views of privileged account access
- Tamper-proof storage for critical corporate PIM-related information, such as audit records, session recordings, policies, and more

Managing Shared and Administrative Accounts
- Out-of-the-box policy based automation and management for a heterogeneous IT environment with over 70 types of managed devices, including most operating systems, databases, firewalls, network devices, routers and more
- Extensible device management architecture with flexibility to introduce support to additional systems and devices as needed including unique plug-ins for web interface credential management e.g. corporate Facebook account, any web-based ERP/CRM application etc.
- Self recovery solutions such as automatic reconciliation of out-of-synch passwords
- Automatic discovery and provisioning of accounts ensures that even accounts hidden in services, scheduled tasks, application pools as well as local administrator groups etc are discovered and managed securely, according to enterprise policies
- Direct access to target device without exposing the password to end users as well as a generic interface to transparently connect to any device

On-Demand Privileges
- Granular access control to manage who can run which commands on a personal basis
- Replaces siloed SUDO solutions with enterprise-ready unparalleled security, centralized easy management, and enhanced audit capabilities

Enterprise Readiness
- Integration with enterprise infrastructure, including Directories and User Provisioning integration for user management, authentication products (2-factor, RSA, Radius, PKI, LDAP and more), monitoring and SIEM integration, SNMP, Syslog and SMTP, built-in HA/DR architecture and much more
- Full Software Development Kit (SDK) to integrate with a myriad of enterprise systems
- Distributed architecture with central management and storage that is ideal for multi-network and multi-site environments and benefits from a single administration, audit and monitoring interface with full performance load balancing of password management

Winner of ‘Best Identity Access Management Solution’
Highly Commended for ‘Best Security Product of the Year’

“Cyber-Ark PIM Suite is among the leading-edge products in the emerging PIM market, providing one of the most comprehensive feature sets in the market.”

Martin Kuppinger,
Cyber-Ark Privileged Identity Management Suite (PIM)
Product Report
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