Securing VMware Infrastructure with BeyondTrust Password Safe

PRIVILEGED ACCESS MANAGEMENT AND PRIVILEGED SESSION MANAGEMENT

TECH BRIEF
While the vast majority of VMware® administrators change default passwords, most credentials can still be guessed via brute-force attacks. Even strong, complex passwords may not be enough to prevent breaches. For instance, VMware environments are often put at risk when the same usernames and passwords are used across the infrastructure—or when passwords are infrequently changed. Once credentials are compromised, attackers can siphon sensitive data from the organization via custom malware and other malicious techniques.

**Five Common Signs of VMware Account Security Risks**

1. Default or common passwords are not configured correctly
2. Credentials are shared across multiple devices
3. Passwords remain unchanged for excessive periods of time
4. Privileged sessions are unmonitored
5. No accountability controls exist for outsourced VMware devices and infrastructure

Any of these scenarios can set your organization up for a serious data breach. Fortunately, there is a simple and effective way to secure your VMware infrastructure against account-based risks: privileged password management with BeyondTrust Password Safe.

**Automated Privileged Password Management for VMware**

BeyondTrust Password Safe is an automated password and privileged session management solution offering secure access control, auditing, alerting, and recording for any privileged account. Password Safe strengthens VMware security by:

- Ensuring no device has a default password for administrative accounts
- Guaranteeing each device has a unique complex password
- Automatically rotating passwords based on age and usage
- Limiting administrative access and communications to authorized individuals

Password Safe can secure privileged accounts across your enterprise environment, including:

- Local or domain shared administrator accounts
- Personal admin accounts (in the case of dual accounts)
- Service, operating system, network device, database (A2DB), and application (A2A) accounts
- SSH keys, cloud, and social media accounts

**Key Differentiators**

**NETWORK-BASED ASSET DISCOVERY**

Scan, identify, and profile all users and services; automatically onboard systems and accounts under management, speeding time-to-value.

**DYNAMIC RULES & ASSET GROUPINGS**

Build Smart Rules to trigger alerts or auto-provision based on system categorization, speeding time-to-resolution.

**SIMPLIFIED SSH KEY MANAGEMENT**

Schedule SSH key rotation and enforce granular access control and workflows.

**UNIFIED PASSWORD AND SESSION MANAGEMENT**

Use a single solution for both password management and session management, lowering cost and complexity.

**AGENTLESS SESSION MANAGEMENT**

Utilize native tools including Microsoft® Remote Desktop and PuTTY to connect to systems without the need for Java.

**APPLICATION PASSWORD MANAGEMENT**

Get control over scripts, files, code, and embedded keys by automatically eliminating hard-coded or embedded credentials.

**ADVANCED WORKFLOW CONTROL**

Add context to workflow requests by considering the day, date, time, and location when a user accesses resources.

**THREAT ANALYTICS & REPORTING**

Leverage a central data warehouse to collect, correlate, trend, and analyze key threat metrics; customize reports to meet specific needs.
The BeyondInsight platform for unified asset and user risk intelligence

BeyondTrust Password Safe is part of the BeyondInsight Management Platform, which unifies BeyondTrust privileged access management solutions with Vulnerability Management. Capabilities include:

- Centralized solution management and control via common dashboards
- Asset discovery, profiling, and grouping
- Reporting and analytics
- Workflow and ticketing
- Data sharing between the BeyondTrust solutions

The result is a fusion of user and asset intelligence that allows IT and security teams to collectively reduce risk across complex environments.

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Securing VMware Accounts with Beyondtrust Password Safe

BeyondTrust Password Safe enables you to secure VMware infrastructure with complete control, and to audit all privileged account access.

- Discover all VMware vCenter® and ESXi® devices, including on and offline images
- Verify that no default passwords exist on any hypervisor or managed device
- Manage all VMware ESXi devices automatically using BeyondTrust Smart Rules, and store a unique password for each device
- Automatically rotate each device’s password based on age or after each administrator login
- Provide a complete workflow for device access, including an approval process for admin access
- Enable administrators to SSH to VMware ESXi without ever seeing the admin password
- Record and playback all privileged sessions to document and review device changes
- Record user activity in VMware vSphere® (video and keystrokes – October 2015)
- Report on all privileged credentials requested and used
- Detect abnormal device and credential access, and receive alerts, via patent-pending BeyondInsight® Clarity threat analytics

Extend VMware Security with Beyondtrust Endpoint Privilege Management

BeyondTrust least privilege solutions, including Endpoint Privilege Management for Unix & Linux and Endpoint Privilege Management for Windows, enable you to further harden your VMware infrastructure. These solutions reduce the risk of privilege misuse, especially when third-party tools and other applications are required to manage VMware infrastructure. With BeyondTrust Endpoint Privilege Management, you can eliminate local admin privileges, enforce least-privilege policy, maintain application access control, and log privileged activities.
ABOUT BEYONDTRUST

BeyondTrust is the worldwide leader in Privileged Access Management, offering the most seamless approach to preventing data breaches related to stolen credentials, misused privileges, and compromised remote access.

Our extensible platform empowers organizations to easily scale privilege security as threats evolve across endpoint, server, cloud, DevOps, and network device environments. BeyondTrust unifies the industry’s broadest set of privileged access capabilities with centralized management, reporting, and analytics, enabling leaders to take decisive and informed actions to defeat attackers. Our holistic platform stands out for its flexible design that simplifies integrations, enhances user productivity, and maximizes IT and security investments.

BeyondTrust gives organizations the visibility and control they need to reduce risk, achieve compliance objectives, and boost operational performance. We are trusted by 20,000 customers, including half of the Fortune 100, and a global partner network.

Learn more at www.beyondtrust.com