BeyondTrust and Entrust protect access credentials securing privileged accounts

Security solution enables encryption key management and cryptographic processing of stored credentials

HIGHLIGHTS

- Improves accountability and control over privileged passwords

- Protects stored credentials from external and internal attacks

- Runs dedicated key management, encryption, and decryption

- Provides root of trust to safeguard and manage sensitive keys

- Facilitates security auditing and compliance with FIPS 140-2 L3

Problem: low-level vulnerabilities often enable attackers to exploit privileged accounts

Advanced attacks on enterprise IT infrastructures increasingly compromise critical systems and their sensitive data by abusing associated privileged account access controls. To protect against these threats, organizations must maintain visibility of their environment to identify vulnerabilities and manage privacy access.

The challenge: maintaining visibility over latent vulnerabilities and privileged account access without impacting operational efficiency

Security of systems is only as strong as the level of protection given to their weakest link. Without clear visibility across the organizations' threat landscape, what could
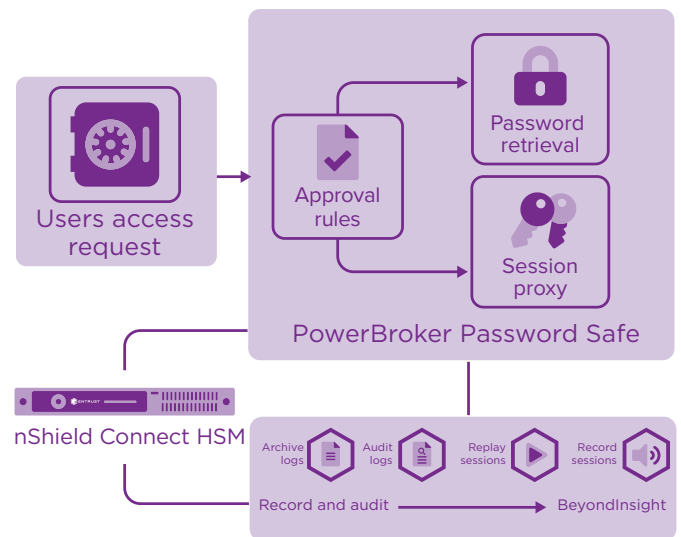
BeyondTrust BeyondInsight® and Password Safe use Entrust nShield® Connect hardware security modules (HSMs) to manage encryption keys for stored credentials.

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appear to be a minor risk may provide a channel for a significant attack. Maintaining guard over externally and internally triggered points of entry to privileged accounts can be difficult when having to implement from multiple points in the enterprise. A centralized solution that provides a single pane of glass for the control of these functions is necessary to provide comprehensive security.

The solution: BeyondTrust BeyondInsight and Password Safe with Entrust nShield HSMs

BeyondTrust BeyondInsight is a platform that offers a variety of capabilities to help customers gain a clear understanding of risks to develop steps to protect the organization. Its vulnerability and privacy access management capabilities provide comprehensive protection for the enterprise. Vulnerability management capabilities offer mechanisms to reduce external exposure with integrated privileged identification and vulnerability management. The privacy and access management capability reduces internal user triggered risks. Together with Password Safe, the solution provides automated password and session management features for auditing enterprise privileged accounts.

BeyondTrust BeyondInsight and Password Safe integrate with Entrust nShield HSMs to safeguard and manage encryption keys used to protect stored privileged access credentials. The joint solution provide an added layer of security protecting both access credentials and the doors they open to privileged accounts and the sensitive data

they hold. Entrust nShield HSMs provide FIPS 140-2 Level 3 and Common Criteria EAL 4+ certified key protection, which enables organizations to deliver a high assurance environment and comply with industry best practices.

Why use Entrust nShield with BeyondTrust BeyondInsight and Password Safe?

Entrust nShield HSMs protect privileged account keys and passwords in a dedicated hardened environment. Keys handled outside the cryptographic boundary of certified HSMs are significantly more vulnerable to attacks, which can lead to disclosure of confidential information. HSMs are the only proven and auditable way to secure valuable cryptographic material. HSMs:

- Secure keys and certificates within carefully designed cryptographic boundaries that use robust access control mechanisms so keys are only used for their authorized purpose

- Ensure availability by using sophisticated key management, storage and redundancy features to guarantee keys are always accessible when needed

- Deliver high performance to support increasingly demanding transaction rates

- Comply with regulatory requirements for public sector, financial services, and enterprises

nShield Connect is a high performance, network-attached HSM for high-availability data center environments.

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Entrust HSMs

Entrust nShield HSMs are among the highest-performing, most secure and easy-to-integrate HSM solutions available, facilitating regulatory compliance and delivering the highest levels of data and application security for enterprise, financial and government organizations. Our unique Security World key management architecture provides strong, granular controls over access and usage of keys.

BeyondTrust

BeyondTrust is a global information security software company that helps organizations prevent cyber-attacks and unauthorized data access due to privileged abuse. BeyondTrust solutions provide the visibility to confidently reduce risks, and the control to proactively take informed action against data breach threats.

www.beyondtrust.com

Learn more

To find out more about Entrust nShield HSMs visit entrust.com/HSM. To learn more about Entrust's digital security solutions for identities, access, communications and data visit **entrust.com**

To find out more about Entrust nShield HSMs

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Entrust keeps the world moving safely by enabling trusted identities, payments and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.

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