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BeyondTrust and Thales Protect Privileged Accounts with Complete Security Solution
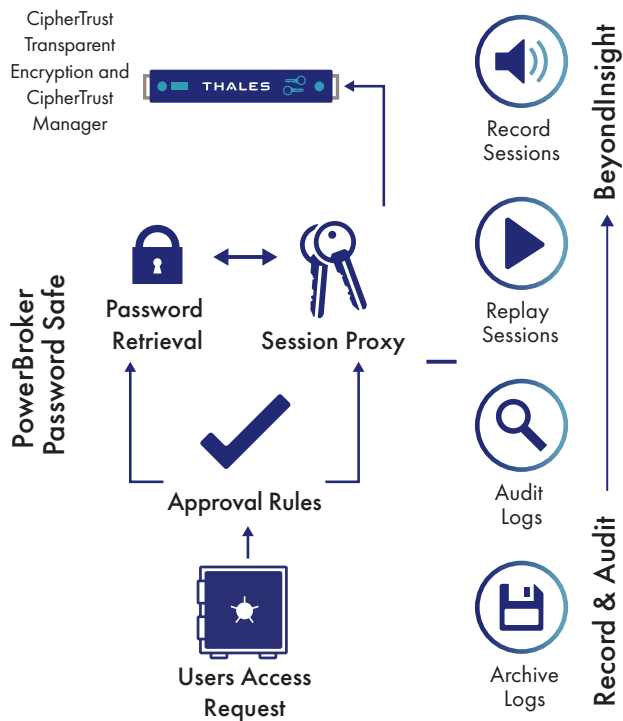
Problem: Abuse of Privileged Accounts Can Open Conduits for Data Breaches That Can Seriously Threaten Enterprise Security

Privileged accounts and their access credentials represent honeypots for attackers seeking to infiltrate the enterprise from within. As many organizations use shared privileged accounts to maintain limited sets of credentials for select authorized users, attackers target them for their value. Once intercepted, attackers can bypass security controls undetected, and compromise the organization's most critical systems.

BeyondTrust™

The Challenge: Securing Privileged Account Passwords and The Data They Process Without Impacting Operational Efficiency

Multiple layers of security are required to protect privileged accounts from unauthorized external and internal access. The sensitive data that accounts process must also be safeguarded. Applying security mechanisms to protect account passwords, the sessions that users create, and the data they exchange, requires a complete solution that enables compliance with government and industry data security regulations.

CipherTrust Transparent Encryption and CipherTrust Manager

PowerBroker Password Safe

- Password Retrieval
- Session Proxy
- Approval Rules
- Users Access Request

BeyondInsight

- Record Sessions
- Replay Sessions
- Audit Logs
- Archive Logs

Record & Audit

BeyondTrust PowerBroker Password Safe and PowerBroker for Windows use CipherTrust Transparent Encryption to protect privileged account passwords, user sessions, and the data they exchange.

The Solution: BeyondTrust Powerbroker® Password Safe and Powerbroker For Windows with CipherTrust Transparent Encryption

BeyondTrust PowerBroker automates password and session management to provide secure access control, auditing, alerting, and recording for enterprises' privileged accounts. The solutions protect local or domain-shared administrator accounts, users' personal administrator accounts, service, operating system, network device, database and application accounts, and even SSH keys. By improving the accountability and control over privileged passwords, IT organizations can reduce security risks and achieve compliance objectives.

When combined with Thales CipherTrust Transparent Encryption, the solutions afford added layers of security, managing the encryption keys used to protect passwords and securing sensitive data at rest. The joint solutions deliver maximum security, protecting both the session and the data. CipherTrust Transparent Encryption offers enhanced data protection using a variety of security controls, including AES-based encryption, granular access controls based on the requestor, time, data type, and data location, as well as real-time alerting of unauthorized attempts to access protected data. These controls ensure that both data and access to data are secured against unauthorized users.

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Why Use CipherTrust Transparent Encryption with BeyondTrust Powerbroker?

CipherTrust Transparent Encryption protects data with file and volume level at-rest encryption, controls access, and provides data access audit logging – without having to re-engineer applications, databases, or infrastructures.

CipherTrust Transparent Encryption:

- Enables maximum utilization of native hardware encryption capabilities such as Intel AES-NI
- Protects against privileged escalation by OS root users
- Minimizes encryption impact on service level agreements and need for additional computer resources through use of a distributed agent-based deployment model
- Centrally manages security and encryption policies, as well as aggregate logging and reporting

CipherTrust Transparent Encryption, together with CipherTrust Manager, provide policy and encryption key management to deliver scalability, flexibility, and efficiency.

The combination of PowerBroker with CipherTrust Transparent Encryption and CipherTrust Manager delivers a comprehensive solution that mitigates the risks of increasingly sophisticated advanced persistent threats. With software installed on servers or virtual machines to enforce data security and compliance policies, deployment is simple, scalable and fast.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.

BeyondTrust

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