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Building a future we can all trust

Strengthen your defense against ransomware attacks with privileged access controls for your encrypted data

Challenge: credential compromise is a leading cause of ransomware attacks

As ransomware attacks continue to grow in frequency and severity, preventing unauthorized access to critical systems holding sensitive data has become a significant challenge. The majority of data breaches involve compromised credentials like passwords, which criminals can exploit to infiltrate your network and disrupt your business. To reduce the risk of credential compromise the best defense is a layered approach to security that helps compensate for potential vulnerabilities.

Solution: Multi-Factor Authentication for CipherTrust Transparent Encryption

With Multi-Factor Authentication (MFA) for CipherTrust Transparent Encryption organizations can add an additional layer of protection against credential compromise with a second identity verification step at the access point. By default, CipherTrust Transparent Encryption provides granular user access controls which allow organizations to determine who can access data, when they can access it, and what type of access they have. Through integration with leading MFA providers, MFA for CipherTrust Transparent Encryption prompts system administrators and privileged users to demonstrate additional factors beyond a password before gaining access to sensitive data, to minimize the chance of a rogue user getting through.

CipherTrust Transparent Encryption delivers data-at-rest encryption with centralized key management, privileged user access control, and detailed data access audit logging that helps organizations meet compliance and best practice requirements for protecting data, wherever it resides – on-premises, across multiple clouds and within big data and container environments. Inserted above the file system and/or logical volume layers, CipherTrust Transparent Encryption is transparent to users, applications, databases, and storage subsystems. It minimizes administrative overhead with key and policy management functionality providing a secure and easy method for administering encryption keys.

Benefits

Mitigate security risks

Implementing MFA for CipherTrust Transparent Encryption enforces protection of sensitive files dynamically at the access point in line with a zero trust approach, making it more difficult for a threat actor to gain access. Adding MFA as part of privileged user access controls enables users and administrators to work as usual but protects against potential threats to data.

Meet compliance requirements

Encryption, robust key management, and access controls are requirements for almost all compliance and data privacy standards, including PCI DSS, HIPAA, GDPR and many others.

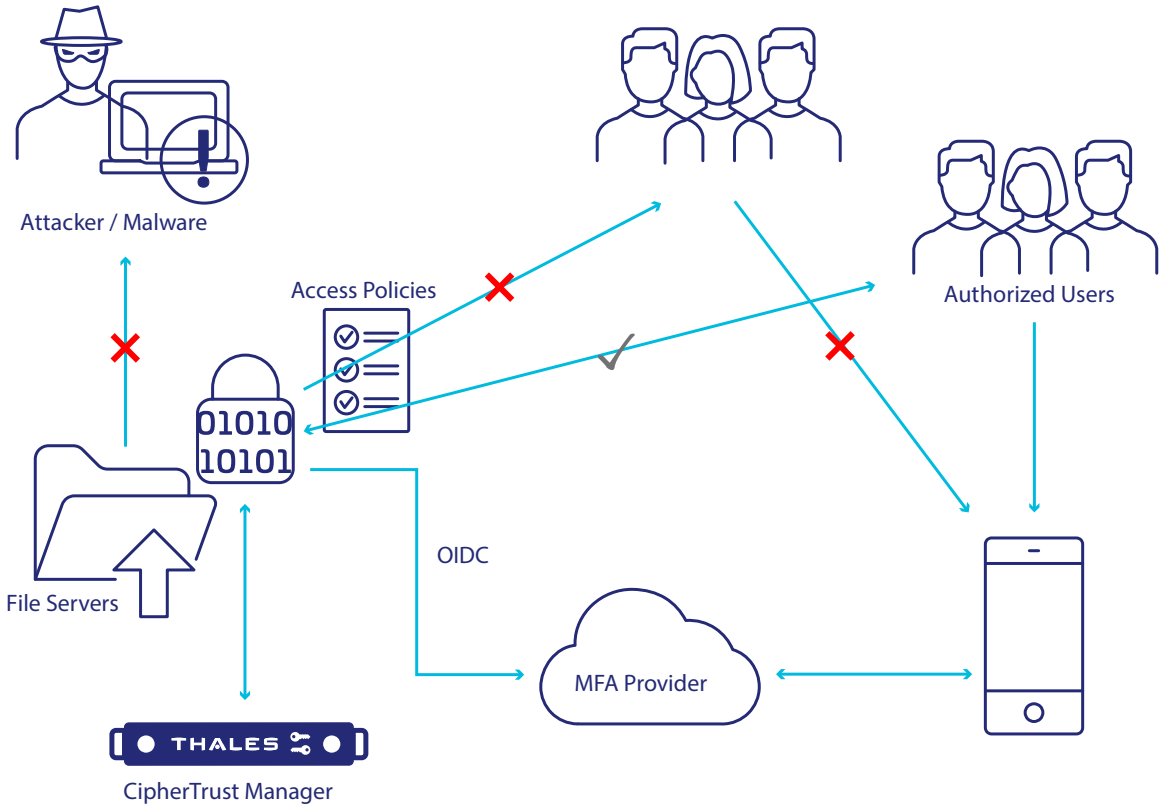
CipherTrust Transparent Encryption is designed to meet data security compliance and best practice requirements with minimal disruption, effort, and cost. Implementation of MFA as part of CipherTrust Transparent Encryption privileged user access controls further enhances security posture in line with compliance requirements.

Integrate with access management tools

MFA for CipherTrust Transparent Encryption is available for the Windows platform and currently supports integration with the following access management and authentication services: Thales SafeNet Trusted Access, Okta, and Keycloak.

CipherTrust Data Security Platform

CipherTrust Transparent Encryption is part of the CipherTrust Data Security Platform. The CipherTrust platform unifies data discovery, classification, data protection, and provides unprecedented granular access controls, all with centralized key management. This simplifies data security operations, accelerates time to compliance, secures cloud migrations, and reduces risk across your business. You can rely on Thales CipherTrust Data Security Platform to help you discover, protect and control your organization's sensitive data, wherever it resides.



About Thales Trusted Cyber Technologies

Thales Trusted Cyber Technologies, a business area of Thales Defense & Security, Inc., protects the most vital data from the core to the cloud to the edge. We serve as a trusted, U.S. based source for cyber security solutions for the U.S. Federal Government. Our solutions enable agencies to deploy a holistic data protection ecosystem where data and cryptographic keys are secured and managed, and access and distribution are controlled. For more information, visit www.thalestct.com

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