NCENCRYPT™

CONNECTOR FOR THALES CIPHERTRUST MANAGER

Executive Summary

NC Protect from archTIS provides granular attribute-based access controls (ABAC) to secure access to and collaboration of business-critical content in Microsoft applications. Available as an add-on to NC Protect, NC Encrypt provides encryption capabilities out-of-the-box for organizations using NC Protect that prefer to manage their own encryption keys.

NC Encrypt's integration with Thales CipherTrust Manager provides full key lifecycle management and role separation through connections to Luna Network Hardware Security Modules (HSM) and other HSMs as outlined below.

Integration Benefits

- Easily add independent encryption key management to your Microsoft applications.
- Connect directly to existing HSM/VSM via integration with Thales CipherTrust Manager.
  - Thales Luna Network HSM
  - Thales Luna Cloud HSM
  - AWS Cloud HSM
  - Azure Dedicated HSM
  - IBM Cloud
  - Cloud Hyper Protect Crypto Services Cloud HSMs

VERIFIED SOLUTION

THALES

FLEXIBLE ENCRYPTION AND KEY MANAGEMENT FOR MICROSOFT APPLICATIONS

Improving the security posture of your organization should be simple, flexible and tailored to your security philosophy and needs. The ability to control data access and encryption keys is crucial to many organizations, especially in cloud-based environments.

NC Protect when combined with the NC Encrypt module provides dynamic user access and data protection controls with the flexibility of Bring Your Own Key (BYOK) encryption and key management. It can be applied to files stored and shared across Microsoft 365 apps (SharePoint Online, OneDrive, Teams and Exchange), SharePoint on-premises, File Shares and hybrid environments.

NC Encrypt provides encryption capabilities for organizations using Microsoft applications that:

- Do not have RMS.
- Are expanding existing bring your own key (BYOK) encryption strategies.
- Require independent encryption key management.

TAKE CONTROL OF YOUR ENCRYPTION KEYS WITH CIPHERTRUST MANAGER AND NC ENCRYPT

From the moment NC Encrypt is installed documents are secured immediately by the system-generated encryption key. However, at any time you can switch to BYOK via the NC Protect administration portal.

The NC Encrypt CipherTrust Manager Connector provides an intuitive interface that links directly to CipherTrust Manager, enabling you to leverage your existing CipherTrust Manager keys to encrypt Microsoft application content.
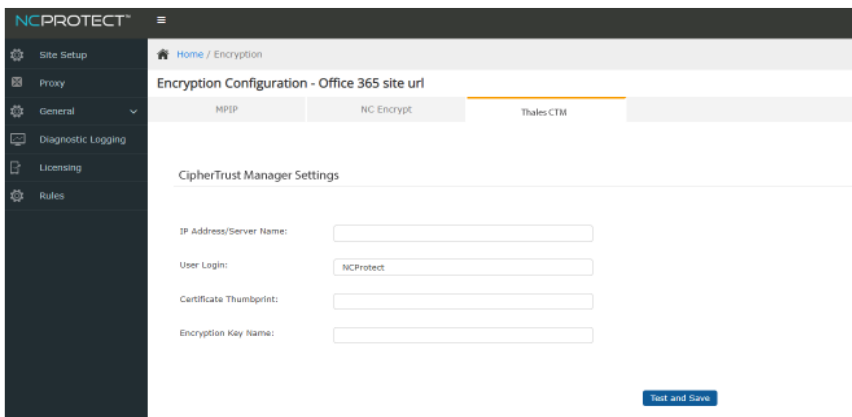
Above: Easily configure the integration between NC Encrypt and CipherTrust Manager in the NC Protect Administration tools.

CipherTrust Manager manages key lifecycle tasks including generation, rotation, destruction, import and export, provides role-based access control to keys and policies, supports robust auditing and reporting, and offers developer friendly REST API. The CipherTrust Manager integration with NC Encrypt allows you to connect to Luna or third-party HSMs for securely storing keys in a FIPS 140-2 Level 3 certified root-of-trust.
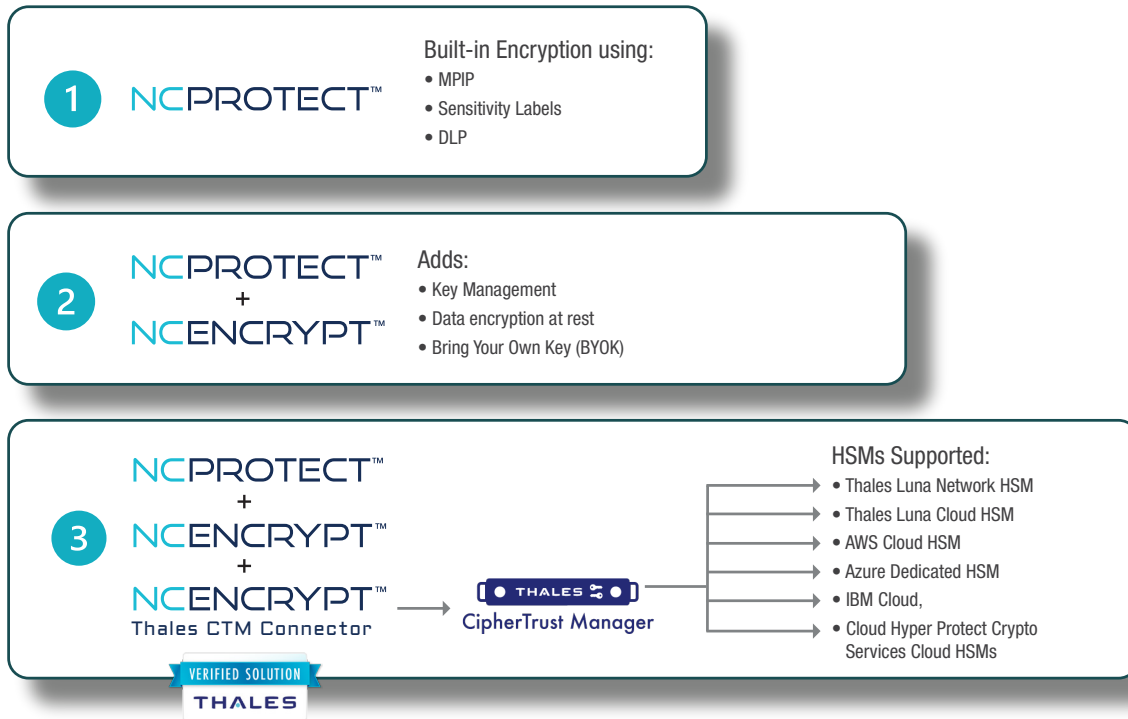
Linking CipherTrust Manager to NC Encrypt provides an innovative solution that allows you to manage your encryption key processes independently in CipherTrust Manager, while managing your dynamic encryption and access controls in NC Protect.

Together they provide a unified policy management console that makes it easy to discover, classify and protect sensitive data wherever it resides.

FLEXIBLE ENCRYPTION OPTIONS

The NC Protect policy manager gives you the flexibility to apply different encryption methodologies to meet your security needs using Microsoft Purview Information Protection (MPIP), NC Encrypt or CipherTrust Manager, or a combination of them depending on the file and use case. This is all made possible with NC Protect's dynamic data protection policies.

FLEXIBLE ENCRYPTION OPTIONS FOR M365, SHAREPOINT SERVER & FILE SHARES MANAGED BY NC PROTECT'S CENTRAL POLICY ENGINE

1 NCPROTECT™

Built-in Encryption using:
• MPIP
• Sensitivity Labels
• DLP

2 NCPROTECT™ + NCENCRYPT™

Adds:
• Key Management
• Data encryption at rest
• Bring Your Own Key (BYOK)

3 NCPROTECT™ + NCENCRYPT™ + NCENCRYPT™
Thales CTM Connector

VERIFIED SOLUTION
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THALES CipherTrust Manager

HSMs Supported:
• Thales Luna Network HSM
• Thales Luna Cloud HSM
• AWS Cloud HSM
• Azure Dedicated HSM
• IBM Cloud,
• Cloud Hyper Protect Crypto Services Cloud HSMs

SUPPORTS ENCRYPTION ACROSS ALL THESE APPLICATIONS

S SharePoint Online & On-Premises

T Microsoft Teams

OneDrive

E Exchange

Office 365

File Shares