NEXTLABS®

SkyDRM for Teamcenter

Protect Data at Rest, Shared File, and Payload

OVERVIEW

Product design is the company's most valuable secret, and often needs to be shared internally with a global workforce and externally with engineering and manufacturing partners and suppliers. Unfortunately, intellectual property (IP) theft is on the rise and impacts the company's business, compliance readiness, and competitiveness. A survey of leading executives indicates that mishandling by insiders, suppliers, and partners are the leading cause of IP breaches. SkyDRM for Teamcenter automatically extends security and control to files downloaded from Teamcenter to achieve end-to-end protection for product data on the move.

THE SOLUTION

SkyDRM for Teamcenter is an integrated solution that automatically encrypts files before they can be shared with employees, suppliers. or partners. The encrypted wrapper includes security labels from Teamcenter that are used to determine the rights of users to access the data. Authorized users can open, view, and even modify the protected files using the native applications, including NX, JT2Go and Solid Edge. Data owners get full visibility into how their data is being shared, accessed, and used.

The SkyDRM solution provides the following key capabilities:
- Automated rights protection encrypts and tags valuable files managed in Teamcenter.
- Access and usage controls over files, such as limiting access, printing, copying, or screen capture, and enforcing time-based rights.
- Support for native file formats such as 2D & 3D CAD, source code, and Siemens NX and JT.
- Secure viewing from any device with a HTML 5 browser.
- Monitoring and reporting on data use to get full visibility on IP data sharing.

THE RESULTS

Using SkyDRM for Teamcenter, companies are able to:
- Automatically extend PLM security to product data in files downloaded from Teamcenter.
- Control the access and usage of product data shared with employees, partners and suppliers.
- Eliminate manual security procedures that impede product collaboration.

SOLUTION COMPONENTS

NextLabs SkyDRM solution is comprised of multiple integrated components selected and deployed according to a company's specific requirements. The complete solution allows companies to securely share product data both internally with global employees and externally with collaborative partners and suppliers. The components include:

Rights Manager for Teamcenter

Rights Manager for Teamcenter automatically protects sensitive files according to Teamcenter data classification and security. It integrates Teamcenter and the NextLabs Rights Management Server to protect (tag and encrypt) files either at-rest or before data is shared.

NextLabs Rights Management Server

The NextLabs Rights Management Server provides two functions. First, it applies rights protection, and secondly, it enables the secure viewing of protected documents from any device via a HTML 5 web browser. Available either on-premises or in the cloud, secure viewing is well-suited for use cases where product data needs to be shared with external users who are unable to install client side software or where users prefer to view the shared documents from mobile devices.

NextLabs Rights Management Client

The NextLabs Rights Management Client provides secure access, viewing and editing of protected files using native applications.

Unlike other rights management products, which only support a handful of file formats and applications, the NextLabs product is built to support any file format and any application, allowing customers to protect engineering data in CAD, source code, and 3D file formats. For Siemens customers, native support for NX and JT file formats is available making it well-suited for collaborative engineering use cases. The NextLabs Rights Management Client also works completely offline, making it well-suited for mobile users in the field that need offline access to product data.

Centralized Management and Reporting

SkyDRM for Teamcenter is built on the NextLabs CloudAz, the industry-leading information control policy platform for central management, control, and activity analytics. You can now have one set of policies for all Teamcenter data with centralized visibility to quickly highlight unusual access patterns or behavior - to prevent breaches, misuse, and violations.

SUPPORT INFORMATION	
Supported File Types in Viewer	Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Microsoft Visio (Web Viewer only), Adobe PDF, Source code (java, cpp, xml, html, etc.), Picture file (jpg, png, tif, bmp, etc.), CAD (AutoCAD, SolidWorks, ProE, CATIA V5/V6, Parasolid, NX, Solid Edge, Siemens JT), SAP Visual Enterprise (Web Viewer only), Common CAD formats (igs, iges, stp, stl, step, etc.)
Supported Controls	View (Access Control), Edit (Requires RMX), Print, Re-share, Save As (Make a Local Copy), Extract (Make a Decrypted Copy), Watermark (User-defined Control), Expiration (User-defined Control)
Server Platforms	Docker CE, RHEL, CentOS
Client Platforms	Web, iOS, Windows
Supported Identity Providers	Active Directory (AD), Okta, Active Directory Federation Services (ADFS), OneLogin, PingOne
Supported Cloud and SaaS Apps	Google Drive, OneDrive, SharePoint Online, SharePoint On-Premises, Box, Dropbox
RMX for CAD and Authoring Tools	Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Siemens NX, PTC Creo
RMX for Enterprise Applications	Siemens Teamcenter, Microsoft SharePoint, SAP ERP

ABOUT NEXTLABS

NextLabs®, Inc. provides zero trust data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based zero trust policy platform helps enterprises identify and protect sensitive data, monitor and control access to the data, and prevent regulatory violations – whether in the cloud or on premises. The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders such as SAP, Siemens, Microsoft, AWS, Accenture, Deloitte, Infosys, and IBM. For more information on NextLabs, please visit http://www.nextlabs.com.