

Enterprise Digital Rights Management for Teamcenter

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. NextLabs Enterprise Digital Rights Management (EDRM) 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

EDRM 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 EDRM 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 EDRM 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

The EDRM 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.

Feature	Support
Supported File Formats	100s of supported file formats including Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Adobe PDF, Source code (java, cpp, xml, html, etc.), and 2D & 3D CAD formats.
Controls	Encryption Time-Based Data Tagging Access Control (Viewing only) Print Control Copy/Paste Control Dynamic Watermarks Activity Logging
Supported Clients	HTML 5 Browsers (Internet Explorer, Safari, Chrome, Firefox) on OS X, Windows, iOS, and Android

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.

Feature	Support
Supported File Formats	Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Adobe PDF, Source code (java, cpp, xml, html, etc.), CAD (AutoCAD, Solidworks, ProE, Catia, NX), Siemens (NX, JT), Binary files (EXE, BIN), Archive files (ZIP, TAR, RAR, 7Z)
Controls	Access Control (Viewing and Editing) Print Control Time-Based Copy/Paste Control Dynamic Watermarks Screen Capture Control Activity Logging
Client Platforms	Windows 7 & 10 Microsoft Office 2016, 2013, 2010 Adobe Reader X, XI
Offline Support	First-time offline access to documents Offline access lease

Centralized Management and Reporting

EDRM for Teamcenter is built on the NextLabs Control Center, 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 - preventing breaches, misuse, and violations.

ABOUT NEXTLABS

NextLabs®, Inc. provides data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based 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, and IBM. For more information on NextLabs, please visit <http://www.nextlabs.com>.