

SkyDRM Software Development Kit

THE SITUATION

Product designs are a company's most prized assets, yet they often must be shared internally with colleagues or externally with partners and suppliers. Unfortunately, intellectual property theft is on the rise and can impact the company's business, compliance readiness, and competitiveness.

Many large organizations have digital rights management requirements that cannot sufficiently be met with "off the shelf" solutions. Consequently, they often build their own custom ("homegrown") applications to achieve their desired objectives. However, the building and the administration of these custom applications can be quite cost-prohibitive, which limits the organization's ability to respond rapidly in a dynamic business environment.



THE SOLUTION

NextLabs' Rights Management software development kit (RMSDK) enables the integration of your custom applications into NextLabs' digital rights management platform. Through the RMSDK, organizations can implement and enforce rights management policies for their custom applications, just as they can for their "off the shelf" applications.

The following are the key capabilities:

- Automated rights protection encrypts and tags valuable files managed in your custom application
- Access and usage controls over files, such as limiting access, printing, editing, or copying and enforcing time-based rightsSecure viewing from any device with an in-app viewer
- Secure viewing from any device with an in-app viewer
- Centralized login sessions across all rights-management-enabled client-side applications on the same computer
- Monitoring and reporting on data use to get full visibility on sharing of intellectual property
- Offline mode support

THE BENEFITS

The RMSDK enables you to reap the following benefits:

- Automatically secure product data in files downloaded from your custom application
- Control the access and usage of product data shared with employees, partners, and suppliers
- Eliminate manual security procedures that impede product collaboration
- Maintain consistency in rights management enabled applications across multiple client platforms (desktop, mobile, and web)

SOLUTION COMPONENTS

You can integrate rights protection into any application through the use of the Server SDK, Client SDK for Windows, and Client SDK for Mobile (iOS and Android). These SDKs allow developers to integrate their applications with the NextLabs Rights Management platform.

SERVER SDK

The Server SDK enables the integration of applications with the NextLabs Rights Management platform through Java APIs. It is an alternative to using the server REST APIs and enables easier integration with Java applications since the SDK manages all communication with the Rights Management server internally. The SDK is intended for use in server-side applications that work with NXL-protected files.

■ File and stream operations

- Check the validity of an NXL file
- Encrypt or decrypt a file given a path or a File object
- Partially decrypt an InputStream object
- Encrypt a stream from an InputStream object

■ Tenant-level operations

- Get the list of available classification tags for a tenant

■ Project operations

- List projects
- Get project metadata
- Create a new project
- List project classification tags

Default watermark (User-defined policy)
Edit the existing watermark by either typing a custom value or by selecting the preset values.

User ID ACME Secret Line break Date Time 9/50

Add preset values Add line break

Digital permissions validity period (User-defined policy)
Never expire Relative Absolute date Date range

July 09, 2021 To August 08, 2021 31 days

July 2021 August 2021

Clear

CLIENT SDK FOR WINDOWS

The Client SDK for Windows enables developers to integrate third-party client-side applications with the NextLabs Rights Management platform. It includes an interface and a set of APIs to access the functionality and documents managed by the Rights Management Server.

The Client SDK for Windows is designed for application developers to develop user-mode applications or add-on modules to enable rights management functionality in third-party applications (e.g., protecting and sharing files, managing local NXL files and other features of the Rights Management platform).

CLIENT SDK FOR MOBILE (iOS AND ANDROID)

The Client SDK for Mobile (iOS and Android) enables developers to integrate third-party mobile applications on iOS and Android with the NextLabs Rights Management platform. It includes an interface and a set of APIs to access the functionality and documents managed by the Rights Management Server and supports the offline mode on the mobile device.

The Client SDK for Mobile is designed for mobile application developers to develop user-mode mobile applications or add-on modules to enable rights management functionality in third-party mobile applications (e.g., protecting and sharing files, managing local NXL files, supporting offline mode, activity logs, and other features of the Rights Management platform).

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>.