

SAP Solution Brief

SAP Solution Extensions

SAP Enterprise Digital Rights Management
by NextLabs

Objectives

Solution

Benefits

Quick Facts



**Share Data Securely Across
Your Entire Extended Enterprise**



The Best-Run Businesses Run SAP®

Use Digital Rights Management to Protect Any File Type

Use Digital Rights Management to Protect Any File Type

Gone are the days when you could restrict data access to managed devices and applications inside your corporate network without compromising profitability. For success in today's hyperconnected world, your users and business partners need 24x7 access to any data on any device. How can you share data to keep them informed while still protecting trade secrets and intellectual property?

The SAP® Enterprise Digital Rights Management application by NextLabs is information resource protection for the 21st century. You can empower users to share files of any type from any device without installing any client software, enriching collaboration across your ecosystem. You can provide rich edit permissions directly from the native application and smoothly to the end user, or view-only permission through a Web browser or Web app. Your users can access protected files safely even in public cloud or

software-as-a-service (SaaS) applications, and you always have full visibility into data usage, even during external sharing. Centralized management of data security policies gives you full control over enforcement and supports stringent reporting and auditing of all usage. You also have the flexibility to apply rights ad hoc. You can collaborate securely with suppliers, evaluate access requests from third parties, and share technical data in CAD files and rich media.



Establish robust information control policies

Establish robust information control policies

Integrate rights management into enterprise applications

Take advantage of flexible client options

Control data access across organizational boundaries

In SAP Enterprise Digital Rights Management, you express your data protection requirements as attribute-based policies, which are simply digital renditions of your organization's established compliance, legal, and security requirements. The application automatically applies your policies to access requests in real time, evaluating attributes describing the user, the data, and the environment to help ensure the right people get access to the right data. And it automatically monitors all transactions across your IT landscape.

You can take advantage of such highly granular, attribute-based access, usage, and handling controls to overcome the complexity of today's business requirements. You can define policies in business-friendly language while creating precise controls that can target classes of data anywhere, along such dimensions as file attribute, content, file type, and user attribute. You can apply multiple policies to a single file. And you can also apply user attributes procured from external sources to cover access requests from the outer reaches of your extended enterprise.



Information control policies automate data classification and protection, supporting both mandatory and discretionary use cases.



Integrate rights management into enterprise applications

Establish robust information control policies

Integrate rights management into enterprise applications

Take advantage of flexible client options

Control data access across organizational boundaries

During installation, you integrate SAP Enterprise Digital Rights Management into your core line-of-business and enterprise content-sharing applications. That means you can protect data by tagging and encrypting it directly on upload and download, before it moves any farther. The rights management server enables on-demand viewing in a Web browser. You can also safeguard data shared through ad hoc sync-and-share

protocols and SaaS applications such as Dropbox and Microsoft Office 365. While other products for data sharing support a handful of proprietary file formats and applications, SAP Enterprise Digital Rights Management supports any file format and application. You gain protection not only for familiar business desktop files but also for engineering data in source code, CAD applications, and 3D file formats.



Integrate digital rights management with enterprise resource planning software and product lifecycle and supply chain solutions to move data smoothly among your workflows.



Take advantage of flexible client options

Establish robust information control policies

Integrate rights management into enterprise applications

Take advantage of flexible client options

Control data access across organizational boundaries

SAP Enterprise Digital Rights Management comes with a variety of clients to accommodate all levels of data sharing and protection, from rich collaboration to on-demand viewing. For users who work extensively with others, a rich-collaboration client provides secure access and editing privileges for protected files within native applications. This client supports Windows, OS X, iOS, and Android operating systems and works completely offline, so mobile users in the field can also participate in rich collaboration. An on-demand Web access client facilitates secure viewing

of protected documents from any device through any HTML5 Web browser – with no added software on the user’s end. Available either on premise or in the cloud, the Web access client supports hundreds of file types, including most CAD output. It is optimal for sharing product data with external users unable to install client-side software or for users who prefer to view shared documents from mobile devices. To satisfy users who want full mobile browsing and access, the application includes iOS and Android app clients, which deliver secure access anywhere.

Collect, control, and audit data centrally, so you can track and analyze all usage activity – whether it occurs inside or outside your network.

```
01001010111010010
10100101000101010
01001010001011101
00101010010100010
10100100101000101
```



Control data access across organizational boundaries

Establish robust information control policies

Integrate rights management into enterprise applications

Take advantage of flexible client options

Control data access across organizational boundaries

In large collaborative projects, you often need to share information with business partners while maintaining control over the kind of data their users can see and what they can do with it.

For these larger groups of external users you don't directly know, SAP Enterprise Digital Rights Management provides support for a technique called identity federation. In this case you, as owner of the protected documents and called the "service provider," delegate the authentication of external users to their respective organizations, called "identity providers."

The process that underlies federated identity is based on federation and single sign-on protocols such as the Security Assertions Markup Language (SAML), OpenID, and OAuth. Through one of these protocols, you set up trust relationships with identity providers, specifying user attributes, or assertions, that the identity providers must validate at runtime to demonstrate user access rights. The identity providers then assume the responsibility of administering user accounts and authorizations transparently to you. At runtime, SAP Enterprise Digital Rights Management dynamically checks the identities and attributes of service-provider and identity-provider users alike.



Tally your benefits

Tally your benefits

SAP Enterprise Digital Rights Management is designed to protect data across today's far-reaching extended enterprises. You can protect data in any file type and let users access it in a Web browser from any device for on-demand viewing, without installing any extra client software. The result is a flexible, secure collaboration ecosystem that can easily handle data-sharing scenarios that elude traditional IT solutions. The components are easily configurable to accommodate dynamic business

processes and ad hoc data sharing with unknown users while centralizing control of data-sharing policies and stringent auditing and reporting. You support all stakeholders in key projects – whether they officially work for you or for a business partner – with the information they need to remain engaged, complete tasks productively, and make smart decisions in response to change. And those benefits help drive revenue up and costs down, ultimately improving your bottom line.

Robust digital rights management helps keep your data safe anywhere it goes in our hyperconnected world.



Objectives

Solution

Benefits

Quick Facts

Summary

Information-sharing practices are changing radically across industries. Your extended enterprise is far-flung, with many key stakeholders outside your own network. And information consumers demand access to data anytime, anywhere, and on any device. Yet you still must safeguard your essential corporate confidentiality and your valuable intellectual properties. The SAP® Enterprise Digital Rights Management application by NextLabs can help.

Objectives

- Establish a collaboration ecosystem to handle complex data-sharing requirements
- Share business and technical data securely with the extended enterprise
- Enable both rich collaboration and on-demand viewing
- Access data safely anytime, anywhere, and on any device

Solution

- Dynamic application of multiple security policies to a single document
- Evaluation of access requests from unmanaged mobile devices
- Support for any file type, including source code, 2D and 3D CAD, and SAP 3D Visual Enterprise applications
- Protection for data sharing in public cloud and software-as-a-service applications
- Integration into SAP enterprise applications

Benefits

- Collaborate safely with ecosystem partners and mobile employees
- Centralize control of data-sharing policies with robust auditing and reporting
- Maintain full visibility into data access and usage, even during external sharing

Learn more

To find out more about secure data sharing across your extended enterprise, visit www.sap.com/enterprise-digital-rights-management.



© 2016 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://www.sap.com/corporate-en/legal/copyright/index.epx#trademark> for additional trademark information and notices. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.



The Best-Run Businesses Run SAP®