SECUDE
KEEP IT CONFIDENTIAL

PROTECT | TAG | AUDIT
SECURE YOUR SAP DATA
WHEREVER IT GOES

Halocore for Data Protection

SAP® Certified
Powered by SAP NetWeaver®

Halocore for Data Protection

Halocore for Data Protection is a one-of-a-kind technology that protects intellectual property and other sensitive information extracted from SAP systems. By integrating directly with SAP, Halocore protects documents containing sensitive information right at the moment of their creation with classification, strong encryption, and fine-grained access policies. This innovative approach allows enterprises to maintain a high level of control and security over sensitive documents throughout their lifetime, even if these document have been shared via email, downloaded to a recipient's PC, moved to a mobile device, or uploaded to the cloud.

YOUR SAP DATA IS SECURE... OR IS IT?

In a modern enterprise where there is a rise in business collaboration, an explosion of storage locations and cloud services, and an increased mobile workforce, traditional protection mechanisms are often left powerless. Information moves in and out of the enterprise in enormous volumes and rates. SAP users extract hundreds of documents often containing sensitive or compliance regulated data from SAP systems and applications for the purpose of reporting, analytics, and knowledge sharing with colleagues, partners, and suppliers. Most enterprises have very little knowledge or control of where these documents are going, who accesses them, or how they are being used. This leaves companies at a high risk of data loss due to malicious or accidental actions.

KEY BENEFITS

- Provides end-to-end protection of sensitive SAP data that extends to mobile and cloud platforms
- Minimizes the risk of breaches, data theft and accidental loss
- Controls who has access to sensitive information and what they can do with it (view, edit, save, print, forward, etc.)
- Boosts secure collaboration within the organization and with partners and suppliers
- Enables compliance, while addressing the challenges of an increasingly complex regulatory landscape
- Offers advanced auditing capabilities, aimed at simplifying internal audit processes

FINDING A BALANCE BETWEEN SHARING AND SECURITY

Unlike traditional security solutions that focus on protecting the network or patching holes in storage locations, Halocore utilizes a data-centric approach. The Halocore NetWeaver Add-On intercepts each data download from SAP, classifies the information, and applies strong encryption, while enforcing access rights and usage policies. Halocore is powered by a data classification mechanism that extends existing SAP roles and authorization schemes beyond SAP. Protection is immediate and established when the document is first created.

This protection is enforced by the Microsoft Rights Management (RMS) technology, which is a part of Active Directory. When the user attempts to open the downloaded file, the Microsoft RMS solution ensures only authorized users can open the data and then can even control if they can edit, print or save the data. By securing data at its core, Halocore allows sensitive documents to be safely accessed, stored, and transported across and beyond the enterprise.

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Our modular architecture keeps you compliant and your SAP data safe from loss or theft on-premise, in the cloud, and across mobile devices.

PERMANENT PROTECTION WITH MICROSOFT RIGHTS MANAGEMENT

Halocore for Data Protection is tightly integrated with Microsoft Rights Management (RMS) and fully supports RMS implementation of Active Directory, Office 365, and Azure Active Directory. Microsoft Rights Management is the industry leading document security solution and allows companies to ensure only authorized users can open the protected content, while also controlling what they can do with it, such as print, edit, or save. Even if sensitive data is leaked accidently or maliciously, unauthorized parties cannot view it in clear text, thus leaving it useless.

ADVANCED AUDITING AND REPORTING

Halocore's enhanced logging and auditing features provide enterprises with critical visibility into sensitive data distribution, allowing internal and external audit teams to identify risky areas, users or transactions. Halocore visualizes data downloads based on user, file type, file size, transaction, application, path, terminal, and IP address. All download activity is aggregated into a fully customizable audit log, which can be integrated into the company's existing analytics framework and extracted to powerful tools such as SAP Business Intelligence and Analytics solutions.

INTELLIGENT CLASSIFICATION

Halocore provides a seamless classification experience for any data extracted from SAP. Halocore intercepts the document being downloaded from SAP and tags the document before it is downloaded onto the users chosen medium. Halocore uses an attribute-mining algorithm that assesses the different characteristics of the document being downloaded. The solution then determines the best classification match, such as Strictly Confidential, HR Only, Private, Public and more, then applies the label to the document metadata.

ENHANCED GRC FUNCTIONALITY

By seamlessly integrating with the existing SAP Access Control infrastructure, Halocore's alert mechanism allows organizations to proactively detect security and compliance risks via real time reporting. Halocore monitors all download and data extraction activity in SAP and raises alerts based on suspicious behavior. Appropriate personnel are made aware of and can acknowledge planned data extraction activity and can investigate unplanned or suspicious activity if the system deems the combination of access attributes risky.

TECHNICAL REQUIREMENTS

Halocore for Data Protection comprises of two main components:

• Halocore Server
• SAP Add-On

The Halocore Server runs as a service in a Microsoft Windows Server and the SAP Add-On is installed into the SAP NetWeaver application server. We also leverage the Microsoft Rights Management technology to provide the persistent document protection.

| Component	Supported Platforms
SAP Add-On	NetWeaver 7.02, 7.31, 7.40
Halocore Server	Windows Server 2008 R2, 2012, 2012 R2
Microsoft Rights Management	Windows Server 2008 R2, 2012, 2012 R2

DEPLOYMENT OPTIONS

Halocore for Data Protection is available in a variety of deployment options to allow enterprises to pick the scenario that best fits their information architecture and IT infrastructure.

On premise: A traditional on premise approach might be most beneficial for companies with existing significant investments in on premise systems.
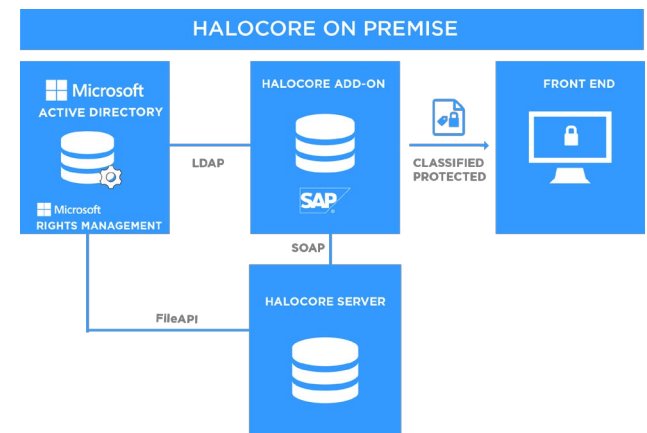
Cross premise: A cross premise approach enables the best of both worlds, delivering cloud-like flexibility, with the confidence of on-site hardware.

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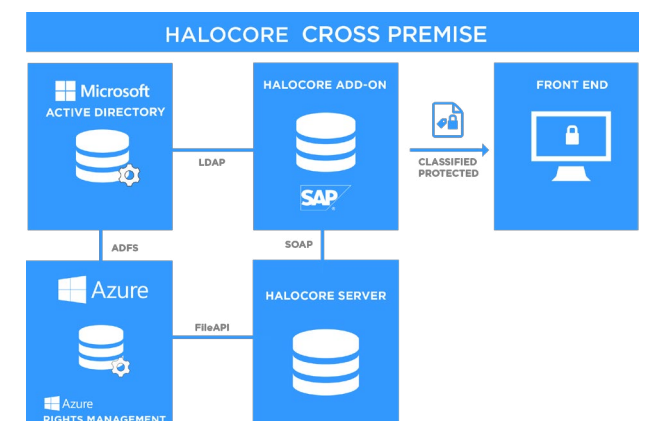
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ABOUT SECUDE

SECUDE is an innovative global provider of IT data protection solutions. The company was founded in 1996 as a partnership between SAP AG and Europe's largest application-oriented research organization, Fraunhofer institute in Germany. SECUDE helps customers protect sensitive data from loss or theft and meet legal and industry requirements and guidelines. Since 2011, SECUDE has been part of the SAP® PartnerEdge™ Value Added Reseller program and an SAP distribution partner in Germany and Switzerland. SECUDE's focus currently extends to the field of unstructured data security and Information Rights Management (IRM) and addresses the rapidly evolving business needs of mobile and cloud security and safe digital collaboration. Today, SECUDE is trusted by a large number of Fortune 500 companies, including many DAX companies. With offices in Europe, North America and Asia, SECUDE embraces global IT security.

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