



## SUPPORTED CONNECTORS – CV23

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Dassault Systèmes  
10, Rue Marcel Dassault  
78140 Vélizy-Villacoublay  
FRANCE  
Tel: + 33 1 61 62 61 62  
Fax: + 33 1 70 73 43 63

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# CONNECTORS BY PRODUCT

## Exalead CloudView

### Connectors included in Exalead CloudView

These connectors are included in Exalead CloudView out-of-the-box.

- [Crawler](#)
- [CSV](#)
- [Feed Fetcher](#)
- [Filesystem](#)
- [IMAP](#)
- [JDBC Database](#)
- [LDAP](#)
- [Log Files](#)
- [XML](#)

### Licensed connectors

This connector requires an additional license and must be installed separately.

- [ENOVIA ER](#)

## OnePart

### Licensed connectors

These connectors require an additional license and must be installed separately.

- [ENOVIA ER](#)
- [ENOVIA SmarTeam](#)
- [ENOVIA V6 Designer Central](#)
- [SOLIDWORKS ePDM](#)

### Partner connectors

These connectors are developed by T-Systems and must be acquired separately.

- [PTC Windchill](#)
- [Siemens Teamcenter](#)

## OneCall

### Licensed connectors

These connectors require an additional license and must be installed separately.

# CONNECTORS IN DETAIL

Each of the pages that follow is dedicated to one connector and lists:

- which Exalead CloudView and data source versions are supported.
- the coding language and APIs used to build the connector.
- key features of the connectors.

For more details on a specific connector, see the PDF document available with each connector.

## Databases

### JDBC Database

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Allows you to index the content of an SQL Database accessed through JDBC. Uses configurable queries to extract records.
<b>Connector version</b>	n/a
<b>Compatible data source</b>	Database (JDBC)
<b>Compatible product</b>	All Exalead CloudView V6 versions
<b>Indexed documents</b>	SQL Database
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Event-Log or Checkpoint-Based
<b>Security</b>	Early Binding
<b>Indexing scope can be restricted</b>	No
<b>Hit content thumbnail/preview</b>	Dynamic or Precomputed

## Directories

### LDAP

To understand the values for certain features, see [Features explanation](#)

<b>Description</b>	Allows you to index the content of an LDAP directory
<b>Connector version</b>	n/a
<b>Compatible data source</b>	LDAP V2 and V3
<b>Compatible product</b>	All Exalead CloudView V6 versions
<b>Indexed documents</b>	- Classes - Attributes
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Stamp-Based or Checkpoint-Based
<b>Security</b>	No
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## File system

### CSV

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Allows you to accumulate rows, apply column filters, rename columns, and crawl multiple filesystem paths.
<b>Connector version</b>	n/a
<b>Compatible data source</b>	Comma-separated value (CSV) files RFC4180
<b>Compatible product</b>	All Exalead CloudView V6 versions
<b>Indexed documents</b>	CSV files
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Checkpoint-Based



<b>Security</b>	No
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Precomputed

## Filesystem

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Crawls either a local filesystem, or a remote filesystem on a shared network
<b>Connector version</b>	n/a
<b>Compatible data source</b>	File system
<b>Compatible product</b>	Exalead CloudView V6R2013 or higher
<b>Indexed documents</b>	<ul style="list-style-type: none"> <li>- Local filesystem</li> <li>- Remote filesystem that is shared on the network</li> </ul>
<b>Packaging</b>	Built-in
<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Stamp-Based
<b>Security</b>	Early Binding
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## Log Files

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Indexes log files in Apache or log4j format. You can also define an automatic format detection, or define a custom format using regular expressions.
<b>Connector version</b>	n/a
<b>Compatible data source</b>	Log files
<b>Compatible product</b>	Exalead CloudView V6R2014X or higher

<b>Indexed documents</b>	<ul style="list-style-type: none"> <li>- log4j</li> <li>- apache</li> <li>- custom formats</li> </ul>
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Checkpoint-Based
<b>Security</b>	No
<b>Indexing scope can be restricted</b>	No
<b>Hit content thumbnail/preview</b>	Dynamic

## XML

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Allows you to index XML files stored on a filesystem. Extracts data using predefined processors such as XPath and XSLT, by element name.
<b>Connector version</b>	n/a
<b>Compatible data source</b>	XML files
<b>Compatible product</b>	All Exalead CloudView V6 versions
<b>Indexed documents</b>	XML files
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Stamp-Based or Checkpoint-Based
<b>Security</b>	Early Binding
<b>Indexing scope can be restricted</b>	No
<b>Hit content thumbnail/preview</b>	No

## Messaging

### IMAP

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Indexes attachments and links them with email messages.
<b>Connector version</b>	1.3
<b>Compatible data source</b>	IMAP 4rev1
<b>Compatible product</b>	Exalead CloudView V6R2012 or higher
<b>Indexed documents</b>	<ul style="list-style-type: none"><li>- E-mails (including threads)</li><li>- Attachments</li></ul>
<b>Packaging</b>	Built-in
<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Checkpoint-Based
<b>Security</b>	Yes
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## PDM/PLM

### ENOVIA ER

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Enables CloudView to index Business Objects and Relationships on an ENOVIA Matrix database, as well as files referenced by the Business Objects that reside on an ENOVIA File Collaboration Server (FCS). It indexes both file content and metadata.
<b>Connector version</b>	Current DS level
<b>Compatible data source</b>	ENOVIA V6R2013x and higher
<b>Compatible product</b>	Exalead CloudView V6R2016x and higher
<b>Indexed documents</b>	<ul style="list-style-type: none"><li>- Business Objects</li><li>- Relationships</li></ul>
<b>Packaging</b>	Plugin

<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Checkpoint-Based
<b>Security</b>	<p>Early Binding (based on "indexable security")</p> <p>For non-standalone agent modes, the security level is the same as the:</p> <p>3DSpace security for 3DSpace connectivity mode  legacy ENOVIA SBA Connector for legacy modes (Local Context and Legacy XML Servlet)</p>
<b>Indexing scope can be restricted</b>	Yes on types but not on other criteria
<b>Hit content thumbnail/preview</b>	Dynamic

## ENOVIA SmarTeam

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Indexes a pre-defined scope of data. Can be used as a batch application as well as an interactive application.
<b>Connector version</b>	1.0 (1.0.0.16)
<b>Compatible data source</b>	ENOVIA SmarTeam V5-6R2012 (R22) and V5R20
<b>Compatible product</b>	OnePart R2014X and higher
<b>Indexed documents</b>	<ul style="list-style-type: none"> <li>- Super Class</li> <li>- Sub Class</li> <li>- One Level Link</li> </ul>
<b>Packaging</b>	Plugin
<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Stamp-based
<b>Security</b>	Early binding/Custom security/No security
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## ENOVIA V6 Designer Central

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Custom config for ENOVIA Designer Central based on ENOVIA SBA connector
<b>Connector version</b>	1.2.4
<b>Compatible data source</b>	Enovia Studio Modeling Platform (the version of this component should be the same as ENOVIA version (or higher supported))
<b>Compatible product</b>	OnePart R2014x SP2
<b>Indexed documents</b>	<ul style="list-style-type: none"><li>- Business Objects</li><li>- Relationships</li></ul>
<b>Packaging</b>	Plugin
<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	See <a href="#">ENOVIA SBA</a>
<b>Security</b>	See <a href="#">ENOVIA SBA</a>
<b>Indexing scope can be restricted</b>	See <a href="#">ENOVIA SBA</a>
<b>Hit content thumbnail/preview</b>	See <a href="#">ENOVIA SBA</a>

## PTC Windchill

This connector is available on the PLM Market Place at <http://www.plmmarketplace.com/software/tsystems.html>.

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Through PDM WebConnector provides access to PTC Windchill Server to index an unlimited number of parts and related objects/relations.
<b>Connector version</b>	0.0.3
<b>Compatible data source</b>	PTC Windchill: <ul style="list-style-type: none"><li>- ProjectLink 9.x</li><li>- PDMLink 8.x, 9.x, 10.x</li></ul>
<b>Compatible product</b>	OnePart V6R2014 SP3 or higher
<b>Indexed documents</b>	<ul style="list-style-type: none"><li>- Parts</li><li>- Relations</li><li>- CAD/Office Documents/Files</li></ul>
<b>Packaging</b>	Plugin

<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Checkpoint-Based
<b>Security</b>	Early binding
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Yes

## Siemens Teamcenter

This connector is available on the PLM Market Place at <http://www.plmmarketplace.com/software/tsystems.html>.

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Through PDM WebConnector provides access to Siemens Teamcenter Server to index an unlimited number of parts and related objects/relations.
<b>Connector version</b>	0.0.3
<b>Compatible data source</b>	Siemens Teamcenter: - Enterprise 2005, 2007, 8.x, 9.x - Unified 8.x, 9.x, 10.x
<b>Compatible product</b>	OnePart V6R2014 SP3 or higher
<b>Indexed documents</b>	- Parts - Relations - CAD/Office Documents/Files
<b>Packaging</b>	Plugin
<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Checkpoint-Based
<b>Security</b>	Early binding
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Yes

## SOLIDWORKS ePDM

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Enables CloudView to connect to SOLIDWORKS Enterprise PDM.
<b>Connector version</b>	1.0 (1.0.0.27)
<b>Compatible data source</b>	SOLIDWORKS Enterprise PDM 2013, 2014
<b>Compatible product</b>	OnePart 2014x or higher
<b>Indexed documents</b>	<ul style="list-style-type: none"> <li>- Files</li> <li>- Folders</li> <li>- Items</li> </ul>
<b>Packaging</b>	Plugin
<b>Security source provided</b>	Yes
<b>Incremental synchronization</b>	Checkpoint-Based and stamp-based
<b>Security</b>	Early binding/Custom security/No security
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## Web

## Crawler

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Use the Crawler to index any number of URLs accessible from the CloudView server.
<b>Connector version</b>	n/a
<b>Compatible data source</b>	HTML pages
<b>Compatible product</b>	All Exalead CloudView V6 versions
<b>Indexed documents</b>	URLs
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Event-Listener-Based
<b>Security</b>	No
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## Feed Fetcher

To understand the values for certain features, see [Features explanation](#).

<b>Description</b>	Allows you to crawl RSS feeds.
<b>Connector version</b>	n/a
<b>Compatible data source</b>	ATOM, RDF, and RSS feeds
<b>Compatible product</b>	All Exalead CloudView V6 versions
<b>Indexed documents</b>	ATOM, RDF, and RSS feeds
<b>Packaging</b>	Built-in
<b>Security source provided</b>	No
<b>Incremental synchronization</b>	Event-Listener-Based
<b>Security</b>	No
<b>Indexing scope can be restricted</b>	Yes
<b>Hit content thumbnail/preview</b>	Dynamic

## [Features explanation](#)

This page explains the possible values for several connector features.

## Packaging

- Built-in** The connector is delivered with your product
- Plugin** The connector is delivered as additional and licensed plugin

## Incremental synchronization

- No** No incremental capability - full synchronization algorithm is used.
- Stamp-based** Full synchronization enumeration to push Source Items for which no PAPI Document exists in Exalead CloudView index.  
Compare stamps of PAPI Documents and Source Item to identify need of update.  
Determine PAPI documents in Exalead CloudView index but no in Source to delete them.



<b>Checkpoint-based</b>	Use PAPI Checkpoint mechanism to recover (global/area specific) last scan data/event. Use a journal/logs of the data source to refresh index against creation, modifications, and deletions events (since last scan)
<b>Event-Listener-Based</b>	Listen to Data Source's event publisher to catch creations, modifications, and deletions to refresh Exalead CloudView index accordingly.

## Security

<b>No</b>	Security is not supported.
<b>Early binding</b>	Exalead CloudView Security provider can implement all security policies of Source. Security tokens set by connector during indexing fulfill Source security policies.
<b>Late binding</b>	Security policies of the Source cannot be deduced while indexing. It requires an additional custom post-filtering component at search-time.

## Hit content thumbnail/preview

<b>No</b>	Connector does not support Source Document content.
<b>Static</b>	Connector cannot ask Source to provide Document content on demand. There Exalead CloudView indexing chain must be configured to precompute thumbnail at indexing time.
<b>Dynamic</b>	Content preview can be generated at Search Time because the connector can ask the content to the Source on demand.