DASSAULT SYSTEMES

Licensed Program Specifications

EXALEAD® 5.1

EXALEAD CloudView is a one-of-a-kind search engine that collects unstructured and structured data from any source, in any format and in any volume, and automatically transforms it into a single structured information resource. This resource, which continually evolves and adapts as your data evolves, can be directly searched or used to develop innovative Search-Based Applications (SBAs).   EXALEAD CloudView's innovative solution:

- Unlocks hidden value in unused or under-utilized information assets
- Taps into new information resources
- Boosts productivity and efficiency
- Enables faster, smarter, decision-making
- Encourages exploration, discovery, and collaboration.

EXALEAD CloudView 5.1 offers three types of products:

- Products that address various search requirements and are separately orderable
- Packages that are composed of groups of products
- Connectors that extend EXALEAD CloudView 5.1 for deployment alongside specific applications.

EXALEAD Packages – See Table 1 Below

- **EXALEAD CloudView (CVS-S)** for standard enterprise search projects (Intranet, Internet, file systems, etc.)
- **EXALEAD CloudView Advanced (CVA-S)** for complex and/or industrial-grade enterprise search projects with large volumes of documents, thousands of users, and complex architectures
- **EXALEAD CloudView 360 (CV3-S)** for search based applications implementations
- **EXALEAD CloudView e-Business (CVE-S)** for e-commerce websites and online providers

EXALEAD Products

The following products are available separately or delivered in the packages as shown in Table 1 below.

- **Business Console (BUC)**
  Point and click control over relevancy
- **EXALEAD CloudView Product (CVW)**
  Robust search-based application platform uniquely designed for both the Web and the enterprise
- **Mashup Builder (MUB)**
  Drag-n-drop tool for rapid prototyping and development
- **Content Recommender (MCG)**
- **Semantic Factory (SMF)**
  Industrial auto-classification and alignment of heterogeneous content
- **Trusted Queries (TQS)**
  Auto-suggestion and auto-navigation leveraging an existing data schema

<u>Table 1: Package & Products Matrix</u>

Packages	CVW	BUC	MUB	MCG	SMF	TQS
CloudView	■					
CloudView Advanced	■	■			■	
CloudView 360	■	■	■		■	■
CloudView e-Business	■	■	■	■	■	

EXALEAD Packages - Low End Search (Per Document)

Low End Search packages are available for the CloudView and CloudView Advanced packages with the number of Documents indicated in the name of the products below and less than 2,500 users or 3 million Queries per month.

CVS-25   EXALEAD CloudView   (250,000 documents)
CVS-50   EXALEAD CloudView   (500,000 documents)
CVS-75   EXALEAD CloudView (750,000 documents)
CVS-100 EXALEAD CloudView (1,000,000 documents)
CVS-250 EXALEAD CloudView (2,500,000 documents)

CVA- 25   EXALEAD CloudView Advanced (250,000 documents)
CVA- 50   EXALEAD CloudView Advanced (500,000 documents)
CVA- 75   EXALEAD CloudView Advanced (750,000 documents)

CVA-100 EXALEAD CloudView Advanced (1,000,000 documents)
CVA-250 EXALEAD CloudView Advanced (2,500,000 documents)

EXALEAD Connectors

E4C   EXALEAD Connector for Documentum
E4D   EXALEAD Connector for Database
E4I   EXALEAD Connector for IMAP
E4L   EXALEAD Connector for Lotus Notes
E4N   EXALEAD Connector for NNTP
E4Q   EXALEAD Connector for Lotus QuickR
E4S   EXALEAD Connector for SharePoint
E4X   EXALEAD Connector for XML

General Hardware/Software Requirements and Prerequisites

Browser Requirements
EXALEAD CloudView interfaces require modern browsers that support CSS2 style sheets and JavaScript. However, the interfaces are only guaranteed with:
- Microsoft Internet Explorer version 7. 0 or above (Note that the Mashup Builder administration interfaces are only supported by Internet Explorer 8)
- Firefox version 2.0 or above

Disk Space Requirements
The installation server must have at least 4 GB of available disk space for EXALEAD CloudView program files. The local disk must also have a sizable amount of available disk space for the indexing chain and the search index. The size of the search index is proportionate to the total amount of indexed text from all documents to be made searchable. For HTML documents, this is typically on the order of 20% of the total document volume. Other file formats may have widely varying requirements.

Hard Drives
To maximize I/O performance when indexing, EXALEAD strongly recommends using SCSI or SAS disks (as opposed to SATA disks) to store the data files.

Network File Systems
For performance and reliability reasons, the data directory **must not reside on a network file system** (NFS, CIFS, etc.).

Port Range Requirements

EXALEAD CloudView needs a continuous range of 100 TCP ports to operate correctly. We highly recommend not using the ephemeral port ranges: 32768 to 61000 under Linux and 49152 to 65535 under Microsoft Windows 2008.
For more information, please consult http://en.wikipedia.org/wiki/Ephemeral_port.

Clock Synchronization Requirements

You must ensure that all clocks on all servers where EXALEAD CloudView is installed or with whom EXALEAD CloudView communicates (for example database servers, portal front-end servers, directory servers) are synchronized using technologies such as an NTP synchronization. Most connectors rely on the value of `lastModified`, and thus the values found in these timestamps must be consistent with the EXALEAD CloudView server's clock.

Server Prerequisites

Permissions

EXALEAD CloudView provides scripts for the installation process based on your platform. The permission required to install the product are as follows:

- A user account that has permission to write to the installation directories, or permission to create them if they do not already exist.
- The user also needs read permission to the files that will be indexed by the product.
- In order to install EXALEAD CloudView as a Windows service, the user must have sufficient privileges to add Windows services.

Microsoft Server Prerequisites

The following requirements must be met before you attempt to install EXALEAD CloudView on a Intel-based Microsoft Windows server:

EXALEAD CloudView should be installed on a 64-bit server running either Microsoft Windows 2003 or 2008 Server with the most recent service packs. The Microsoft Visual C++ 2005 SP1 Redistributable Package (x64) is required. vcredist_x64.exe can be downloaded at:
http://www.microsoft.com/downloads/details.aspx?familyid=EB4EBE2D-33C0-4A47-9DD4- B9A6D7BD44DA&displaylang=en

For 2008 Server, you must also do the following:
> • Verify that the product's BASEPORT is not blocked in the Windows Firewall with Advanced Security settings. If the port is blocked, then you can add rules to allow the application or port in Control Panel >System and Security >Windows Firewall > Advanced settings. For more details, please refer to
> http://technet.microsoft.com/en-us/library/cc748991%28WS.10%29.aspx

NOTE - JavaScript is disabled by default for the server's IE and cannot be enabled via the usual tool menus. Without JavaScript enabled, thumbnails are displayed as empty blue-outlined boxes. Searching from external clients to the search server is not a problem. If JavaScript is disabled, it can be enabled on the user's system.

C# Prerequisites

When you deploy a .NET Connector Server you must have the .NET Framework 3.5 installed on the host where it is running. When installing a .NET service host on a Windows 2008 server, you must add special permissions for the user running the service. Using Windows Communication Foundation (WCF) over HTTP either requires the use of a host, such as Internet Information Services (IIS), or manual configuration of the HTTP settings through the HTTP Server API. Please refer to Microsoft documentation for full details:

<p align="center">http://msdn.microsoft.com/enus/ library/ms733768.aspx</p>

General UNIX Prerequisites

In order to index documents correctly in EXALEAD CloudView, all UNIX installations that do not use UTF8 (i.e.: C, ISO-8859-1) should set the LANG environment variable to use UTF-8 encoding, for example:

- English/American systems set $ export LANG=en_US.UTF-8
- French systems set $ export LANG=fr_FR.UTF-8
- Japanese systems set $ export LANG=ja_JP.UTF-8

NOTE - The en_US.UTF-8 encoding is highly recommended for reporting purposes.

Linux Server Prerequisites

EXALEAD CloudView should be installed on a 64-bit Linux server (X86_64) server running either:

- Red Hat Linux versions 5
- SUSE Linux Enterprise 10

NOTE - Linux distributions other than those listed are not officially supported. Please refer to the *EXALEAD CloudView Installation Guide* for a list of required dependencies.

- The hard limit on the maximum number of file descriptors per process should be at least 8192.

Solaris Server Prerequisites

The following requirements must be met before you attempt to install EXALEAD CloudView on an AMD64 Sun Solaris server (X86_64):

- An AMD64-based Sun server running Solaris 10 with all operating system patches up-to-date.
- The hard limit on the maximum number of file descriptors per process should be at least 8192.

Connector Prerequisites

One of the EXALEAD CloudView packages is a prerequisite for all of the EXALEAD

Connectors.

Licensed Program Materials Availability

- Restricted materials - No. This licensed program is available without source licensed program materials. It is available in object code only.

Supplemental Terms

Type/Duration of Program Services (also referred to as "Support Services")

You will find all necessary information including processes on Dassault Systèmes website:

http://www.3ds.com/terms/support-policies

You will find information on the level of Support for the EXALEAD portfolio at: **http://www.3ds.com/terms/product-portfolio/exalead/**

The License Management Model

The following license types are available:

- ➤ System License – Per Server
- ➤ System License – Per Document
- ➤ System License – Per Application

Definitions: In this LPS, the following initially capitalized terms shall have the meaning below. All other terms that are initially capitalized herein are defined in the Glossary - Release 1, available at http://www.3ds.com/terms/glossary:

Application – means EXALEAD CloudView when used for a specific business purpose as specifically identified in the Description of Application Form. The Application may include Licensee's Modifications.

Description of Application Form – means a questionnaire completed by you and accepted by DS, describing name of the Application, its business purpose, intended End Users and such other information identifying the scope of the Application.

Document – means a single entry or record in the index generated and managed by EXALEAD CloudView. A Document is any file created in electronic format such as a Microsoft Office document, webpage, paragraph in a webpage, an entry in a database, etc.

End User(s) – means the individuals that use the Application.

Licensee's Modifications - means additions and/or modifications to EXALEAD CloudView you may make in order to create the Application as described herein.

Query - means a single search for information using EXALEAD CloudView.

Reference Server – means a server containing a maximum of 4 cores. If a server contains more cores, it counts as multiple Reference Servers. For example, a bi 8-core server (totaling 16 cores) counts as 4 Reference Servers. While defining the number of Reference Servers when EXALEAD CloudView is run in a virtual machine (VM), the number of cores dedicated to the virtual machines is used. The number of cores is always rounded up to a multiple of 4. For example, a 6-core virtual machine counts as 2 Reference Servers.

SDK – means a software development kit provided as part of EXALEAD CloudView allowing you to manage and develop the Application. The SDK Licensed Program includes Application Programming Interfaces (APIs).

System License - Per Application - means a System License to use EXALEAD CloudView exclusively for the specific Application described in the Description of Application Form.

System License - Per Server - means a System License to use EXALEAD CloudView per Reference Server and exclusively for the specific Application described in the Description of Application Form.

System License - Per document - means a System License to use EXALEAD CloudView for a limited number of Documents (as indicated in the name of the EXALEAD CloudView in the Product Portfolio) and exclusively for the specific Application described in the Description of Application Form. This license is restricted as follows:

* Number of Documents as mentioned above and less than 2,500 End Users, or

* Number of Documents as mentioned above and less than 3 million Queries per month.

Redundancy Server – means a secondary server on which EXALEAD CloudView is installed that contains replicated indexes continuously synchronized with the primary server on which EXALEAD CloudView is installed.

Designated Machine Identification

No

Test Period

No

Use-Based Charges/Usage Restrictions

Charges for this program are based on the license type described in the License Management Model above and therefore may only be used as described therein.

Licenses are granted for installation and use on Machines only in the country for which the license is ordered.

Redundancy and Pre-production Limitations: When EXALEAD CloudView is installed or used for redundancy or for pre-production purpose, as reflected in the Description of Application Form, the following applies:

In Active Redundancy mode (Search Front High Availability), the Redundancy Server can continuously receive Queries, whereas in Passive Redundancy mode (Search Front High Availability - Standby), the Redundancy Server can only receive Queries when the primary server is down.

In Pre-production Environment – the server on which the Licensed Program is installed should be exclusively dedicated to development, testing and quality control of the Application and cannot be accessible to End Users.

SDK Limitations: The SDK and APIs included in the Licensed Program may be accessed and/or used only by Users exclusively for Licensee's internal management, development, test and support of the Application as permitted in the Documentation.

Additional Terms

You may not distribute or sublicense the Licensed Programs including without limitations by making the Licensed Program available as an application service provider. You are not authorized to allow End Users to access and use the Application, except within the limitations specified herein and the scope specified in the Description of Application Form. You are authorized to use Licensed Programs to create Licensee Modifications. Except as expressly permitted herein and in the Description of Application Form, you may not (A) use the Licensed Programs to develop software code for general distribution by any means, and whether alone or bundled or delivered with any product, data, information, software, or other element or (B) install and/or operate the Licensed Programs on any hardware and/or software environment owned by or under control of

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Warranty

This program is warranted as specified in the Dassault Systèmes license.

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Following the discontinuance of all program services, this program will be provided "As Is" as specified in the Dassault Systèmes license.

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The following packages are distributed and licensed under the terms of the GNU Lesser General Public License set forth in the Documentation. Source code for these components is available upon request.

Under the LGPL v2.1:
      Glib 2.0
      jCIFS 1.3.3
      libgsf 1.13.33

Under the LGPL v3:
      Armadillo 0.9.4
      Libpff 20090617-2.2
      Reflections 0.9.5

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1. The Oracle software is provided under restricted license and shall be used only in conjunction with the Licensed Programs for the internal business needs of Licensee.
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3. Oracle is a third party beneficiary of the Agreement.

Footnotes:
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Any other documentation with respect to this licensed program, including any documentation referenced herein, is provided for reference purposes only and does not extend or modify these specifications.

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