



BEA WebLogic Portal™

Getting Started with Autonomy Search

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Autonomy Search

BEA WebLogic Portal ships with a license of Autonomy search capabilities. Common use cases include integration with content management systems, relational databases, and external web sites. These sources of information can be exposed for search using prepackaged portlets, and developers can author new portlets and business logic for integrating search as well.

This guide covers the capabilities of the licensed Autonomy products and information on additional Autonomy capabilities which can be resold.

This chapter includes the following sections:

- [Introducing the Autonomy Components](#)
- [Using the Autonomy Search Engine](#)
- [Upgrading and Getting Support](#)

Introducing the Autonomy Components

The Dynamic Reasoning Engine (DRE) server has been renamed Intelligent Data Operating Layer (IDOL). IDOL is Autonomy's core engine that processes incoming content to enable search functionality.

Autonomy provides Fetch modules to connect sources of information to search. The BEA license includes the following modules:

- The Autonomy HTTPFetch™ module for external web sites
- The Autonomy ODBCFetch™ module for relational databases
- The Autonomy FileSystemFetch™ module for files on the file system

You can integrate the Autonomy HTTPFetch module to create applications that retrieve content from the Internet or an intranet using the HTTP protocol. For a complete list of Autonomy components see the [Autonomy website](#).

The following Autonomy features can be used with WebLogic Portal:

- Multiple socket connections for optimal bandwidth usage
- Simultaneous retrieval of multiple remote and local web site pages
- Conditional retrieval based on date ranges and configurable date formats
- Conditional retrieval based on configurable inclusive and exclusive wild card lists, optionally checked in the URL, header and body
- Optional politeness delay between retrievals and retrieval rate
- Support for HTTP authentication, HTML forms, login, and HTML cookie authentication
- Insertion of meta tags for import or index processes
- Insertion of original reference to allow viewing of retrieved pages
- Support for proxy servers and firewalls

Locating the Autonomy Product

Autonomy is bundled with the WebLogic Portal and WebLogic Platform installers. The files are located in the `weblogicHome\portal\thirdparty\search` directory.

See <http://www.autonomy.com/content/Products/Connectors/> for a complete list of Autonomy components.

Licensing Autonomy Modules

In BEA WebLogic Portal 8.1, customers can install one instance each on production, development, and a failover instance on their portal. This license is not a CPU-by-CPU basis; the license model is one portal to one Autonomy server. For more information, see “[Licensing Autonomy Modules](#)” on page 3. The license is paper-based, and all development instances ship with a full production version of Autonomy. A production instance of Autonomy is included with the WebLogic Portal installation.

Determining the Number of CPUs for Your Search Needs

The number of CPUs that you need for a production instance varies with the number and type of documents you are exposing, as well as the way they are exposed (for example, automated searching, user driven, and so on).

A single instance of one CPU can potentially support tens of thousands of users and millions of documents. Contact your BEA or Autonomy sales representative for additional licenses, if needed.

Using Supported Operating Systems and Platforms).

Supported platforms for Autonomy include the following:

- Microsoft Windows NT4, 2000, XP, and 2003
- LINUX (all versions) kernel 2.2, 2.4, and 2.6
- Sun Solaris for SPARC versions 5 through 9
- Sun Solaris for Intel version 9
- AIX version 4.3, 5, and 5.1
- HP-UX for PA-RISC version 10, 11, and 11i
- HP-UX for Itanium version 11i
- Tru64 version 5.1

Note: If you are installing the IDOL server on Solaris, you need the `libcconv` library file which you can download from <http://www.gnu.org/software/libiconv/>. The IDOL server also supports other POSIX UNIX versions on request.

Searching the Oracle Database on UNIX

The BEA WebLogic Portal software comes with a license for ODBCFetch, which you can use to connect to a database over the ODBC protocol. ODBC is traditionally utilized on Windows environments, and Autonomy recommends OracleFetch with Oracle DBMS because it is pre-configured to work with Oracle.

OracleFetch is available at an additional cost. ODBCFetch also works with the Oracle database after you configure it. See the [Autonomy ODBCFetch Administrator's Guide](#) for more information.

Using the Autonomy Search Engine

After you configure the Autonomy search engine, you can search data in the BEA Virtual Content Repository, and perform other searches.

Configuring the Autonomy Search Engine

For instructions on configuring the Autonomy search engine, consult the [Autonomy documentation](#) which is available on BEA's edocs web site under the heading "Search Management" section.

In addition to the Service Dashboard portlet, you can modify the actual configuration files to control the behavior of the search engine itself.

Exposing Data from the Virtual Content Repository to Search

You can write a series of dynamic pages to publish content information from the Virtual Content Repository to a set of stand-alone web pages that can then be indexed by Autonomy's HTTPFetch. Contact BEA Technical Support for assistance.

Using Other Search Portlets

The following enhanced Autonomy Portlets can provide added functionality:

- **The `setProfile` portlet** – Allows you to pass a valid option to the Autonomy Search engine. You can search using Boolean logic, provide sort order to your search, choose which Autonomy database to search, and choose case sensitive searches.
- **The `autonomySearch` portlet** – Allows you to place your content anywhere in your file system. This content represents the actual content that Autonomy will index. The portlet currently supports a limited number of file types: PDF, JPG, MS Word, MS Excel, MS PowerPoint, Simple ASCII, and HTML.

Localizing Autonomy Portlets

Over 60 languages are supported for reading text provided by a Fetch. See a complete list at <http://www.autonomy.com/content/Products/Connectors/Multilingual.html>. The actual portlets can be localized to different environments, but support for English is provided when you purchase the software.

Choosing a Search API

It is recommended that you use the Autonomy's Search API.

For more information on the Autonomy Search API, see <http://e-docs.bea.com/wlp/docs81/javadoc/autonomy/index.html>.

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Upgrading and Getting Support

You can upgrade to newer versions of Autonomy and get technical support.

Upgrading Autonomy

BEA WebLogic Portal 8.1 customers can file a trouble ticket with BEA Support to request an updated version of an Autonomy product or a version for a different operating system. Support specialists log into Autonomy's Automater system and download the most recent version for you.

Contacting Support

BEA provides front-line support for Autonomy components—contact the BEA Support Department. BEA Support will contact Autonomy for additional back-line support as needed.

Autonomy Search