



# BEA WebLogic Portal<sup>®</sup>

## System Requirements for Integrating Autonomy<sup>®</sup> Search

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# Contents

## System Requirements for Integrating Autonomy Search

IDOL Server System Requirements . . . . .	1
Supported Platforms . . . . .	1
Minimum Hardware Requirements . . . . .	2
Recommended Hardware Requirements . . . . .	2
Additional Requirements . . . . .	2
Additional Documentation . . . . .	3
DiSH System Requirements . . . . .	3
Additional Documentation . . . . .	3
Autonomy Portlet System Requirements . . . . .	4
HTTP Fetch System Requirements . . . . .	4
Additional Documentation . . . . .	4
File System Fetch System Requirements . . . . .	5
Additional Documentation . . . . .	5
ODBC Fetch System Requirements . . . . .	6
Additional Documentation . . . . .	6



# System Requirements for Integrating Autonomy Search

WebLogic Portal<sup>®</sup> incorporates Autonomy<sup>®</sup> search components to provide portal search features.

When considering system requirements for using Autonomy search, you should first refer to the WebLogic Server system requirements, see the [WebLogic Server Supported Configurations Guide](#).

Autonomy's system requirements are a subset of the WebLogic Server requirements.

This documents includes the following sections:

- [IDOL Server System Requirements](#)
- [DiSH System Requirements](#)
- [Autonomy Service Dashboard Requirements](#)
- [Autonomy Portlet System Requirements](#)
- [HTTP Fetch System Requirements](#)
- [File System Fetch System Requirements](#)
- [ODBC Fetch System Requirements](#)

## IDOL Server System Requirements

Autonomy's Intelligent Data Operating Layer (IDOL) server is the main component is required to use Autonomy search capabilities with WebLogic Portal. The IDOL server should be installed by a system administrator.

### Supported Platforms

- Microsoft Windows NT4, 2000, XP and 2003
- Linux (all versions) kernel 2.2, 2.4 and 2.6
- Sun Solaris for SPARC versions 5 - 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
- IDOL server also supports other POSIX UNIX versions on request.

**WARNING:** Autonomy search engine and fetch processes might not start properly on Unix platforms due to missing linked libraries.

Autonomy executable files and shared libraries require certain system libraries to be installed and accessible, via the library path, in order to start properly. If your target server does not have these libraries, one or more of the following processes might not start: AutonomyDiSH.exe, AutonomyIDOLServer.exe, content.exe, category.exe, community.exe, agenstore.exe, BEACMRRepoFetch.exe, FileSystemFetch.exe, HTTPFetch.exe.

For the processes which failed to start, validate the linked libraries by using the unix `ldd` command. If any issues are found, obtain and install the missing library file(s).

### Minimum Hardware Requirements

- 1 Gb RAM

- 30 Gb Disk
- 1.5 GHz CPU

## Recommended Hardware Requirements

- A dedicated SCSI disk
- 4 Gb RAM
- 100 Gb Disk
- A minimum of 2 dedicated CPU - XEON 3 GHz or above

## Additional Requirements

- You cannot run IDOL server with restricted file system permissions (for example disk quotas, file handle limits or memory limits).
- Your file system must permit file locking (this means that you cannot run IDOL server on an NFS mount, for example).
- Your network must support TCP/IP.
- A single IDOL server can hold an approximate maximum of 8 million document sections (depending on the functionality and performance required). However, the license included for WebLogic Portal allows only 500,000.
- If you are running anti-virus software on the machine that hosts IDOL server, you should ensure that it does not monitor the IDOL server directories as this can have a serious impact on IDOL server's performance.

## Additional Documentation

For more information about using the Autonomy IDOL server, see the [IDOL Server Guide](#).

For more information about configuring the IDOL server for use in your portal environment, see the [WebLogic Portal Search Guide](#).

## DiSH System Requirements

The Autonomy DiSH (Distributed Service Handler) provides a central point from which you can manage Autonomy applications and/or portlets. [Table 1](#) lists the system requirements for the Autonomy DiSH.

### Additional Documentation

For more information about using the Autonomy DiSH and the Autonomy Service Dashboard which is used to monitor the DiSH, see the [Autonomy Distributed Service Handler \(DiSH\) Administrator's Guide](#).

For more information about configuring DiSH for use in your portal environment, see the [WebLogic Portal Search Guide](#).

**Table 1 System Requirements for DiSH**

Supported Platform	Minimum Server Requirements
Microsoft Windows 98, NT 4, and 2000	<ul style="list-style-type: none"><li>• 200 MHz Pentium processor</li><li>• 64 MB RAM</li><li>• 1 GB hard disk recommended</li></ul>
Unix	<ul style="list-style-type: none"><li>• 128 MB of RAM</li><li>• 1 GB hard disk recommended</li></ul>
Solaris	<ul style="list-style-type: none"><li>• 128 MB of RAM</li><li>• 1 GB hard disk recommended</li></ul>

**WARNING:** Autonomy search engine and fetch processes might not start properly on Unix platforms if your server is missing linked libraries.

Autonomy executable files and shared libraries require certain system libraries to be installed and accessible, via the library path, in order to start properly. If your target server does not have these libraries, one or more of the following processes might not start: `AutonomyDiSH.exe`, `AutonomyIDOLServer.exe`, `content.exe`, `category.exe`, `community.exe`, `agenstore.exe`, `BEACMRRepoFetch.exe`, `FileSystemFetch.exe`, `HTTPFetch.exe`.



For the processes which failed to start, validate the linked libraries by using the unix `ldd` command. If any issues are found, obtain and install the missing library file(s).

## Autonomy Service Dashboard Requirements

To run Autonomy Service Dashboard you need a third party application server that is J2EE 1.3 compliant. You also need a Java Development Kit (JDK) installation, version 1.4.

**Note:** If you are using a web server that is separate from your application server, you must ensure that they are configured to run together.

Autonomy Service Dashboard runs with the following application servers:

- JRun 4.0 or higher
- Tomcat 4.0.0 or higher
- Resin 2.1.1 or higher
- ServletExec 4.2 or higher
- WebLogic 6.1 or higher
- WebSphere 5

These application servers all include an internal web server component that Autonomy Service Dashboard can operate with. Alternatively, you can integrate your application server with an external web server such as:

- Microsoft IIS version 5 and higher
- Apache 2 version 5 and higher

## Additional Documentation

For additional information about using HTTP Fetch, see the [Autonomy DiSH Administrator's Guide](#).

For additional information about installing the Autonomy Service Dashboard for use within your portal environment, see the [WebLogic Portal Search Guide](#).

## Autonomy Portlet System Requirements

Autonomy portlets require the same system requirements as the application server from which they are run. Please review the [WebLogic Server Supported Configurations Guide](#).

## HTTP Fetch System Requirements

HTTP Fetch is a connector that is used to index content from websites. HTTP Fetch should be installed by the system administrator as part of a larger Autonomy system (a system that includes Autonomy IDOL server and an interface for the information stored in IDOL server). [Table 2](#) lists the system requirements for HTTP Fetch.

### Additional Documentation

For additional information about using HTTP Fetch, see the [Autonomy HTTP Fetch Administrator's Guide](#).

For additional information about configuring HTTP Fetch for use within your portal environment, see the [WebLogic Portal Search Guide](#).

**Table 2 System Requirements for HTTP Fetch**

Supported Platform	Minimum Server Requirements
Microsoft Windows NT and 2000 (Intel)	<ul style="list-style-type: none"><li>• 200 MHz Pentium processor</li><li>• 64 MB RAM</li><li>• 2 GB hard disk recommended</li></ul>
Unix	<ul style="list-style-type: none"><li>• 128 MB of RAM</li><li>• 2 GB hard disk recommended</li><li>• 2.2.12 kernel</li></ul>
Solaris 2.5 (Sun Sparc)	<ul style="list-style-type: none"><li>• 128 MB of RAM</li><li>• 2 GB hard disk recommended</li></ul>

**WARNING:** Autonomy search engine and fetch processes might not start properly on Unix platforms if your server is missing linked libraries.

Autonomy executable files and shared libraries require certain system libraries to be installed and accessible, via the library path, in order to start properly. If your

target server does not have these libraries, one or more of the following processes might not start: `AutonomyDiSH.exe`, `AutonomyIDOLServer.exe`, `content.exe`, `category.exe`, `community.exe`, `agenstore.exe`, `BEACMRepoFetch.exe`, `FileSystemFetch.exe`, `HTTPFetch.exe`.

For the processes which failed to start, validate the linked libraries by using the unix `ldd` command. If any issues are found, obtain and install the missing library file(s).

## File System Fetch System Requirements

File System Fetch should be installed by the system administrator as part of a larger Autonomy system (that is a system that includes Autonomy IDOL server and an interface for the information stored in IDOL server). [Table 3](#) lists the system requirements for File System Fetch.

### Additional Documentation

For additional information about using File System Fetch, see the [Autonomy File System Fetch Administrator's Guide](#).

For additional information about configuring File System Fetch for use within your portal environment, see the [WebLogic Portal Search Guide](#).

**Table 3 System Requirements for File System Fetch**

Supported Platform	Minimum Server Requirements
Microsoft Windows NT 4, 2000 and XP	<ul style="list-style-type: none"> <li>• 200 MHz Pentium processor</li> <li>• 128 MB RAM</li> <li>• 200 MB hard disk</li> </ul>
Solaris	<ul style="list-style-type: none"> <li>• 128 MB of RAM</li> <li>• 2 MB hard disk</li> </ul>
Linux	<ul style="list-style-type: none"> <li>• 128 MB of RAM</li> <li>• 2 GB hard disk</li> </ul>

**Note:** This specification is dependent on the amount of data to be fetched. Due to substantially different disk usage patterns. File System Fetch also supports other POSIX UNIX versions on request.

**WARNING:** Autonomy search engine and fetch processes might not start properly on Unix platforms if your server is missing linked libraries.

Autonomy executable files and shared libraries require certain system libraries to be installed and accessible, via the library path, in order to start properly. If your target server does not have these libraries, one or more of the following processes might not start: `AutonomyDiSH.exe`, `AutonomyIDOLServer.exe`, `content.exe`, `category.exe`, `community.exe`, `agenstore.exe`, `BEACMRepoFetch.exe`, `FileSystemFetch.exe`, `HTTPFetch.exe`.

For the processes which failed to start, validate the linked libraries by using the unix `ldd` command. If any issues are found, obtain and install the missing library file(s).

## ODBC Fetch System Requirements

ODBC Fetch is used to index content from ODBC-compatible databases. ODBC Fetch should be installed by the system administrator as part of a larger Autonomy system.

[Table 4](#) lists the system requirements for ODBC Fetch.

### Additional Documentation

For additional information about using ODBC Fetch, see the [Autonomy ODBC Fetch Administrator's Guide](#).

For additional information about configuring ODBC Fetch for use within your portal environment, see the [WebLogic Portal Search Guide](#).

**Table 4 System Requirements for ODBC Fetch**

Supported Platform	Minimum Server Requirements
Microsoft Windows NT 4 and 2000	<ul style="list-style-type: none"><li>• 200 MHz Pentium processor</li><li>• 64 MB RAM</li><li>• 2 GB hard disk</li></ul>
Solaris	<ul style="list-style-type: none"><li>• 128 MB of RAM</li><li>• 2 GB hard disk</li></ul>
Linux	<ul style="list-style-type: none"><li>• 128 MB of RAM</li><li>• 2 GB hard disk</li></ul>

**Notes:** ODBC Fetch also supports other POSIX UNIX versions on request.

This specification is dependent on the amount of data to be fetched. Due to substantially different disk usage patterns it is beneficial to run fetch and DRE processes on separate drives or partitions.

You must have ODBC version 2.0 (or higher) drivers for the target database type(s). The Server also needs to have an appropriate Data source set up for each database containing content. This is done via the Control Panel. Data sources should be configured as System-wide (the “System DSN” tab) to ensure that they are accessible to all users.

The ODBC Fetch requires an underlying ODBC Driver in order to connect to the data source. For example, if you want to run the ODBC Fetch on Solaris to access an Oracle 8.0 server running on the same or another platform, you must use an Oracle 8.0 compatible ODBC Driver for Solaris.

**WARNING:** Autonomy search engine and fetch processes might not start properly on Unix platforms if your server is missing linked libraries.

Autonomy executable files and shared libraries require certain system libraries to be installed and accessible, via the library path, in order to start properly. If your target server does not have these libraries, one or more of the following processes might not start: AutonomyDiSH.exe, AutonomyIDOLServer.exe, content.exe, category.exe, community.exe, agenstore.exe, BEACMRepoFetch.exe, FileSystemFetch.exe, HTTPFetch.exe.

For the processes which failed to start, validate the linked libraries by using the `unix ldd` command. If any issues are found, obtain and install the missing library file(s).

## System Requirements for Integrating Autonomy Search