

JAGster

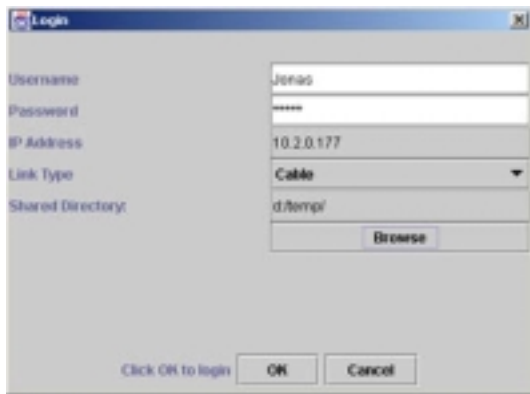
User  
Reference Manual

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## Chapter 1 Introduction

The Jagster Client is a fast and easy to use graphical application. The Jagster client is written entirely in Java using Swing technology and runs on any platform, which supports Java 1.2 or above.



Screen-shot of JAGster-login panel

The Jagster client application support the following features

- Register and login into a Jagster Server.
- Search for specific files shared by other Jagster peers on the network.
- Specify criteria to match when searching for shared files including the type of file (text, java, movies, etc), the name of the file and even the network connection speed of Jagster peers.
- Single click download of a selected file from a Jagster peer to your local hard drive.
- Ability to share the contents of a directory on your machine with other Jagster peers.

## Chapter 2 Installation

The Jagster Client consists of a single JAR file and does not require an installation. It is required that JDK 1.2 or above is installed on the machine which is included on the Jagster Client CD or may be downloaded for free from <http://java.sun.com/>

The Jagster Client installation may also be customized using the `JagsterClient.properties` (explained in a later section in the user manual).

## Chapter 3 Running the Jagster Client Application

Simply double clicking on the JagsterClient shortcut starts the Jagster Client application.

The JagsterClient application may also be started manually using the following syntax:

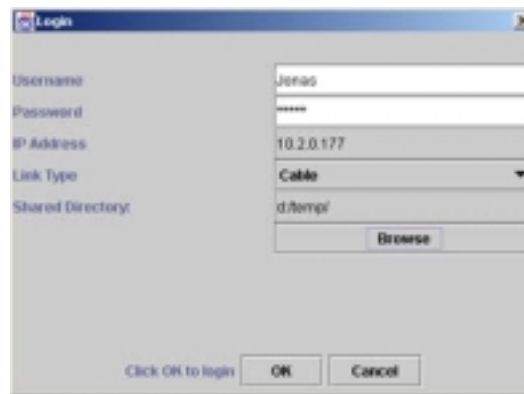
```
java com.jagster.core.JagsterClient
JagsterClient.properties
```

### Logging In

The login screen is the first screen, which is displayed when the Jagster client application starts. In order to login the following information must be provided

- **Username:** A username, which will identify you to other Jagster peers. If this is a non-existing username, the Jagster Server will automatically register the new username and continue the login process.
- **Password:** A password, which allows only the user with the correct password for the specified username to login into the Jagster server.

- **IP Address** – The IP Address of your machine, which other Jagster peers will send, download request to. This is by default the local IP address assigned to your machine. It may be modified using the JagsterClient.properties file in cases such as proxy servers or IP translation.
- **Link Type:** The link Type defines the network connection speed of your machine. This may be left as unknown or a specific speed, which may range from 14.4 up to T3.



*The JAGster loginpanel*

- **Shared Directory:** This is the directory on your local drive where downloaded files will be saved. The contents of this shared directory will also be accessible to other Jagster peers to download files from.
- **Browse:** This allows you to change your default-shared directory to any directory on your local or even network hard drive.

The “OK” button sends the login information to the Jagster server and waits for authentication. If the password is incorrect the appropriate message will be displayed. If the server validates the username and password combination the user will then see the search panel.

The “Cancel” button cancels the login and exits the application.

## Searching For Files

The Jagster Client application allows for search criteria to specify when searching for shared files. The following search criteria may be specified to filter the search results

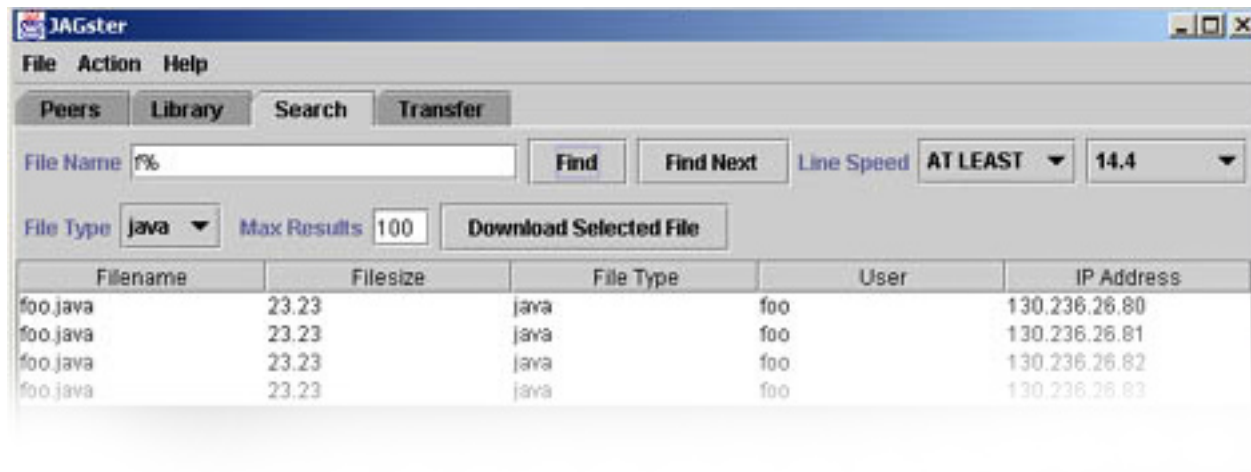
- **File Name:** Used to match only those files, which have the specified file name. Wildcards such as readme% may also be used in the specified file name.
- **File Type:** The file type allows the search result to only consist of specific file types. This may include types such as text, java, jar, movie, jpg, and etc.
- **Line Speed:** This is used to limit the list of Jagster peers by their network connection speeds when searching for files.
- **Max Results:** Limits the number of results returned by the server.

## Search Results

The search results include a list of files matching the specified search criteria. The search results include the file name, file type, file size, IP address of the Jagster peer and the username of the Jagster peer.

## Downloading Files

To download files simply click on the file from the search results and click on the Download button. The progress of the download is displayed in the “Transfer” tab.

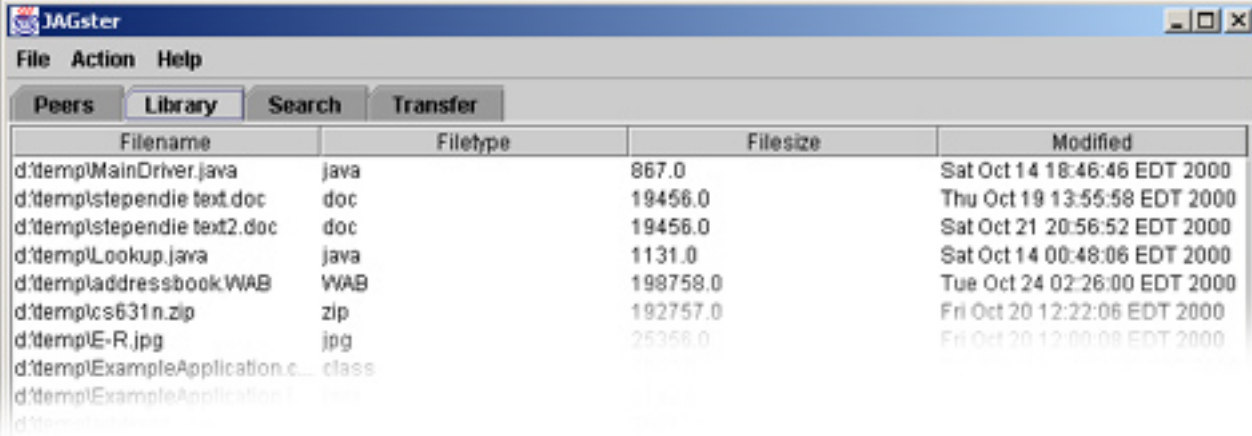


## Library

The library tab displays a list of all the files in your shared directory.

## Retrieving a list of Jagster Peers.

The peers tab displays information about all the other Jagster peers, which are currently online.

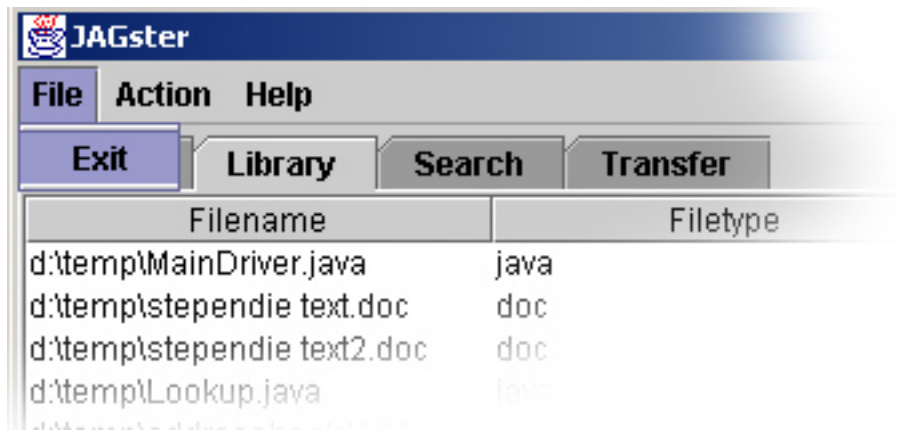


The screenshot shows the JAGster application window with the 'Library' tab selected. The window title is 'JAGster' and it has a menu bar with 'File', 'Action', and 'Help'. Below the menu bar are four tabs: 'Peers', 'Library', 'Search', and 'Transfer'. The 'Library' tab is active, displaying a table of files with columns for 'Filename', 'Filetype', 'Filesize', and 'Modified'.

Filename	Filetype	Filesize	Modified
d:\temp\MainDriver.java	java	867.0	Sat Oct 14 18:46:46 EDT 2000
d:\temp\stependie text.doc	doc	19456.0	Thu Oct 19 13:55:58 EDT 2000
d:\temp\stependie text2.doc	doc	19456.0	Sat Oct 21 20:56:52 EDT 2000
d:\temp\Lookup.java	java	1131.0	Sat Oct 14 00:48:06 EDT 2000
d:\temp\addressbook.WAB	WAB	198758.0	Tue Oct 24 02:26:00 EDT 2000
d:\temp\cs631n.zip	zip	192757.0	Fri Oct 20 12:22:06 EDT 2000
d:\temp\IE-R.jpg	jpg	25358.0	Fri Oct 20 12:00:08 EDT 2000
d:\temp\ExampleApplication.c...	class		
d:\temp\ExampleApplication.l...	java		
d:\temp\...			

## Exiting Application

To exit the Jagster Client application use the menu item File -> Exit



## Chapter 4      **Advanced Setup**

### **JagsterClient.properties**

An advanced feature which allows the Jagster client application to be customized.

- JagsterServer.IPAddress defines the IP address of the Jagster Server to connect to.
- JagsterServer.Port defines the port number of the Jagster server to connect to.
- JagsterClient.SharedDirectory defines the directory shared.
- JagsterClient.IPAddress defines the IP address of you machine. May be modified to support IP address translation or proxies/firewalls.
- JagsterServer.ClientEngineSleepInterval defines the interval of time the application deamons will sleep.

