YaFtp

User Guide

Version 1.0

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1 Presentation.

YaFtp is a JAVA graphical client FTP interface, which provides facilities to integrate proprietary FTP server idiosyncrasies like (MVS JES2), which are usually not available on standard available FTP gui interfaces existing on the market today.

Those functionalities are provided through a portable JAVA implementation.

The software has been cleanly designed to separate client FTP GUI from client FTP networking semantics.

This clean design separation combined with use of 100% JAVA code, provides user with the extra possibility to use and integrate YaFtp classes and methods inside his own JAVA applications.(See YaFtp JavaDoc class references for details)

This guide provides information about how to use the Graphical user interfaces provided inside YaFtp package

2 the FTP connection Panel.

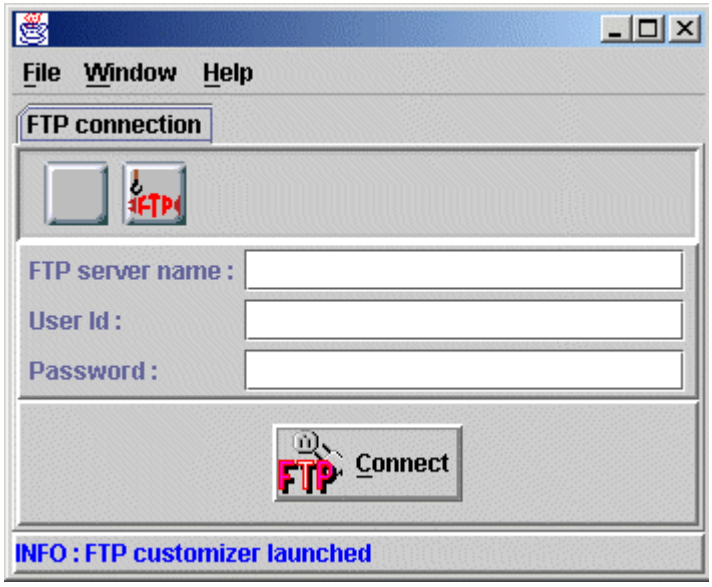

Figure 1

To start a YaFtp client session you should :

1. **From the windows shell command line type :**

A command bat file (runnit.bat) is provided inside the yaftp installation directory

```
>cd yaftpinstalldir
>runnit
```

2. **From a unix shell command line type :**

A UNIX shell command file is provided inside the yaftp installation directory.

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```
>cd $YAFTPINSTALL
>chmod 744 runnit.sh
>./runnit.sh
```

Figure 1 above shows the frame that should be displayed on your screen when YaFtp java application has been successfully started.

In order to able to log into a FTP server you should provide the following informations :

- Ftp server name : The IP name or address where the FTP server you want to connect to is located. You may provide the requested information either as a TCP/IP name (ex : myhost.mycompany.com) or a TCP/IP address(ex : 182.51.20.5).
- User Id : you should provide here a userid that is granted to connect to the previously entered FTP server.
- Password : is the password associated with previous entered user id.

Before connecting to the FTP server, you may want to set up a 'trace' window. This 'trace' window will provide you with detailed FTP messages. This option is mainly usefull when you want to debug a given FTP session.

Enabling the traces is done by pushing the grey button inside the buttonbar window :

the button switches to to indicate that ftp traces will be activated when connecting to FTP server.

the connection is activated whenever one of the two buttons below is pressed :

If you connect to a UNIX FTP server the following panel will then be displayed :

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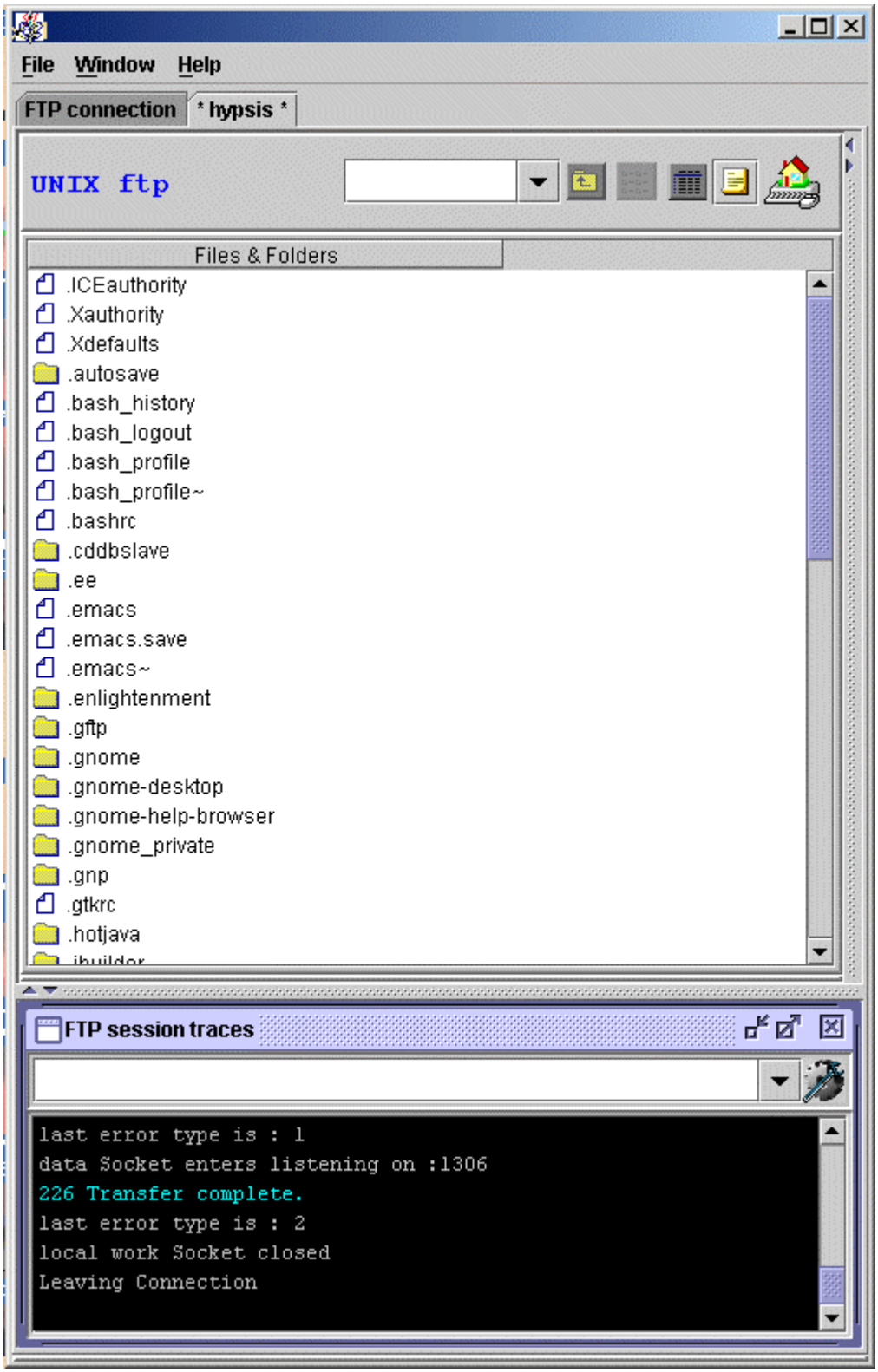

3 YaFtp Screen and panel organization overview.

A YaFtp Frame is divided into followings panel areas :

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- Top menu bar area.
- A tab panel hosting multiple FTP sessions.
- Each FTP session tab panel is then divided into three frames :
  - FTP server File List.
  - LOCAL file list.
  - Traces and Java editors internal frames.

3.1 The Top menu bar area.

The top menu bar defines three Menus :

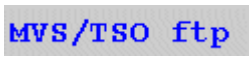
3.2 The FTP sessions TabPanel.

The FTP sessions TabPanel provides user with the capacity of maintaining multiple opened active FTP sessions at the same time. Each TabPanel hosts a client FTP session ; the first tabpanel contains the LOGGING area panel which is used to establish new ftp session :

3.3 The button bar explained.

One of the most important feature of the user interface is the button bar , which is showing up with each connected FTP session :

Each graphical component of the button bar is detailed below :

	This label provides information about the FTP server operating system
	This combo box may be used for file system directory navigation
	Push on this button when you need to switch to upper level directory
	You may push on these buttons if you want to switch between a detailed files view and condensed files information view on the file list. The information provided for the detail files view is operating system dependent.
	You may switch between these three icons to choose the file transfer format that will be used when double clicking on a selected file on the list. The first Icon will set TEXT file transfer mode, the second Icon will set HTML file transfer mode and finally the last icon with set a BINARY file transfert mode

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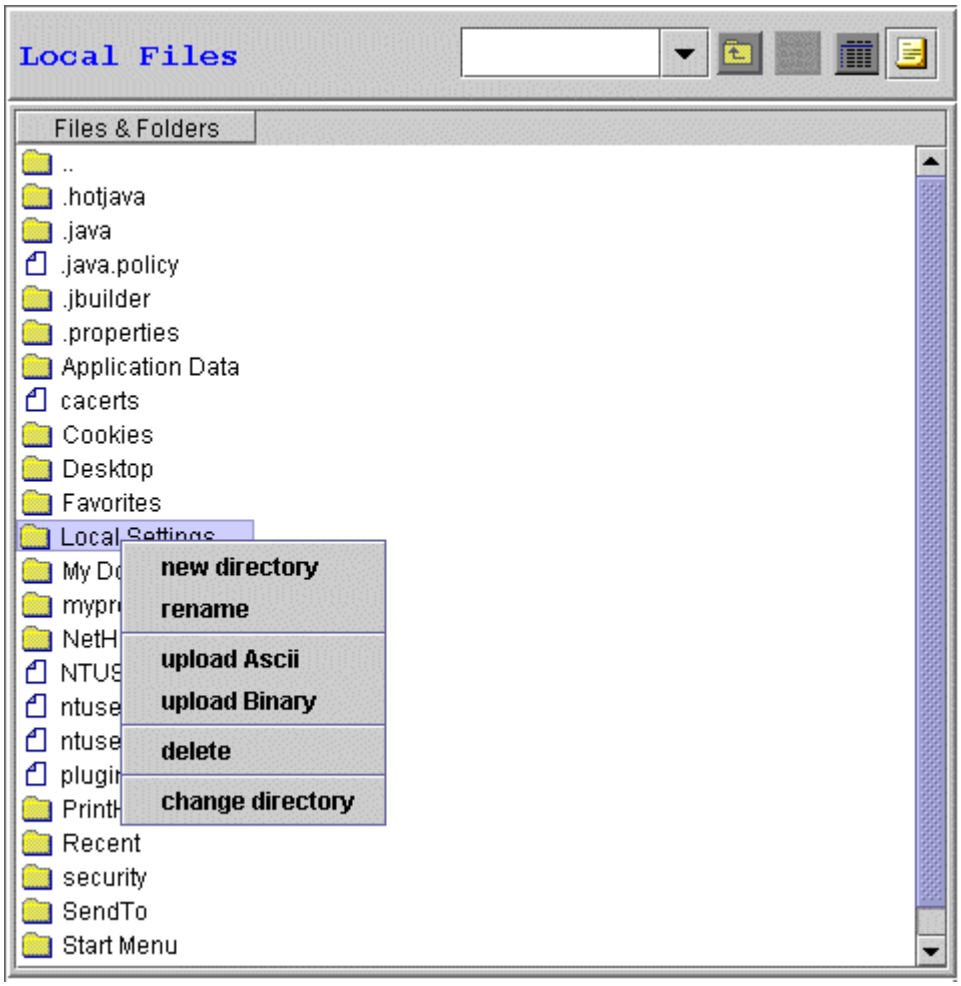
	If the local file system frame is not visible, then pushing on this icon will make it visible ; if the local frame is visible pushing on this icon will close it
	These icons is only visible when the FTP server is an IBM OS390 FTP server. This Icons then provide the capability on this server to switch between the JES MODE panel and the File mode panel.

3.4 The local HOME panel and actions.

When the home button is pressed a local files panel is made available.

From this panel the user may select files and request operations on them.

Files Operations are viewed and activated through a RIGHT MOUSE click pop up menu which is enables as soon as, at least a file or a directory has been selected by user on the local file list panel.



3.5 The FTP file list panel and actions.

The same kind of possibilities is provided on the FTP file list panel :

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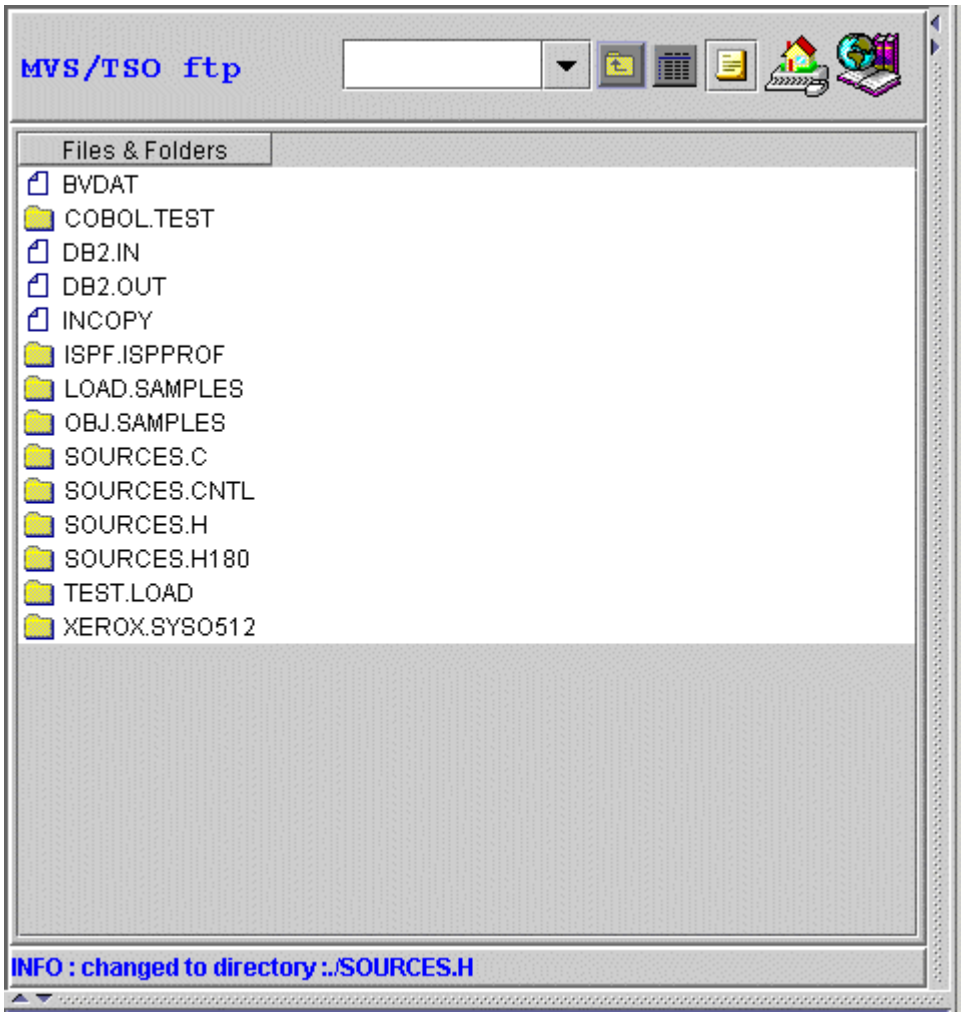

3.6 Reconnecting timed out FTP session

If the FTP user's session has been timed out YaFtp will automatically propose a reconnection to the FTP server :

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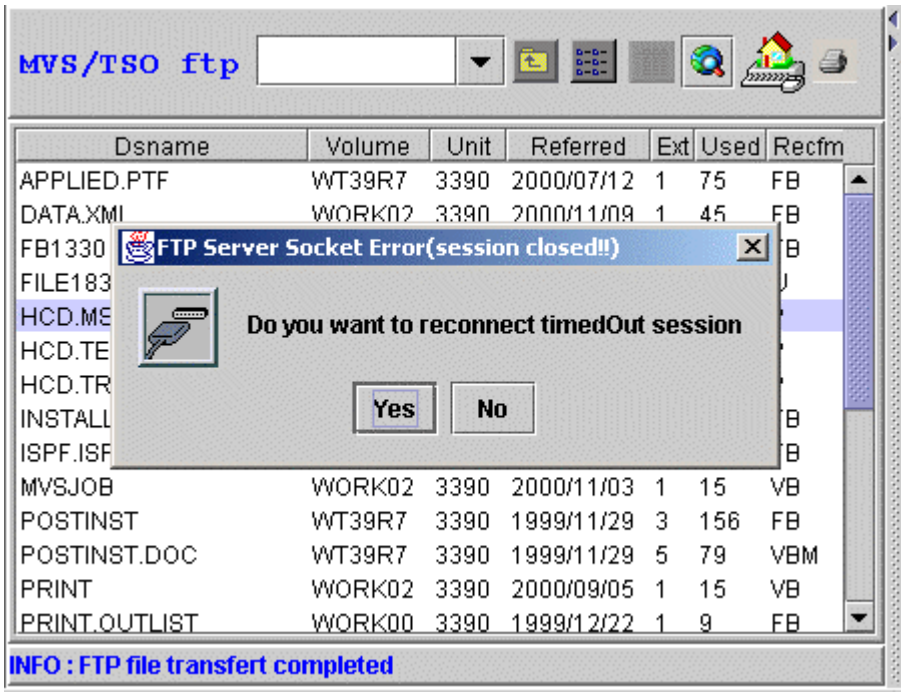

3.7 Accessing MVS files.

When connecting an IBM OS390 FTP server, the user can both deal with FTP file operation on both MVS files(QSAM or PDS members) and HFS file systems.

4 Accessing MVS JES2 subsystem.

One of the most interesting functionality of YaFtp is its capacity of implementing FTP servers idiosyncrasies, and more specifically to deal with IBM FTP JES2 communications capabilities.

The two major functionalities provided here are JCL JOBS submissions and JES2 HOLD queue management.

4.1 Submitting JCL to MVS.

When connecting to an IBM OS390 FTP server an extra popup submenu is automatically provided on both local file panel and remote file panel. This extra submenu provides the calpability of submitting JCL from Local file system or from MVS file system.

4.1.1 Accessing JES2 HOLD queue

Clicking on the icon switch the MVS ftp panel into JES2 mode and provides user with a list of his HOLD existing JES2 JOBS; when the swith is complete the JES2 typewriter icon appeared :

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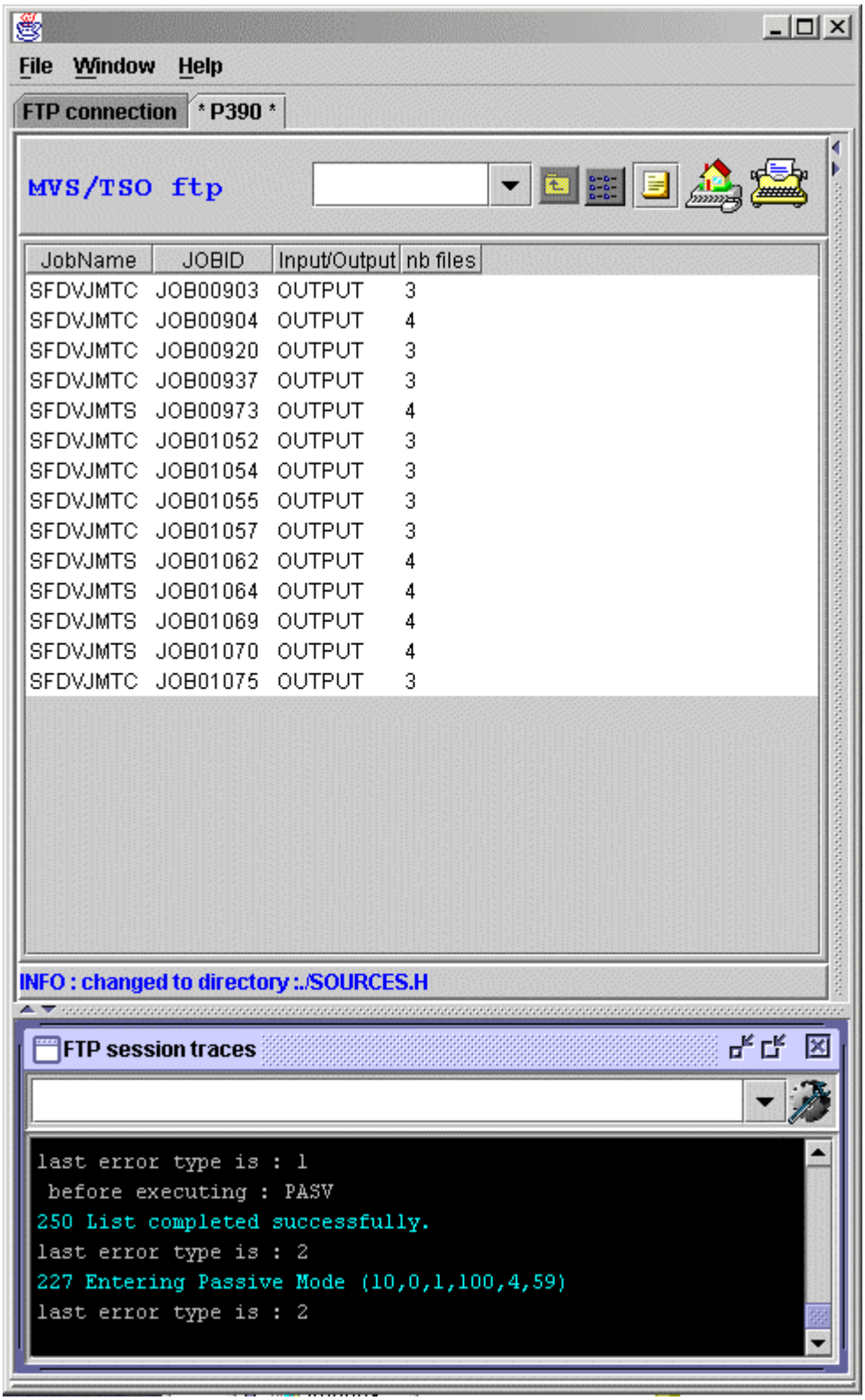

Standard FTP operation are then enabled though JOB list selection and right mouse pop up menu which provides user with the following available operations on JES2 HOLD QUEUE :

- Deleting JOB entries.

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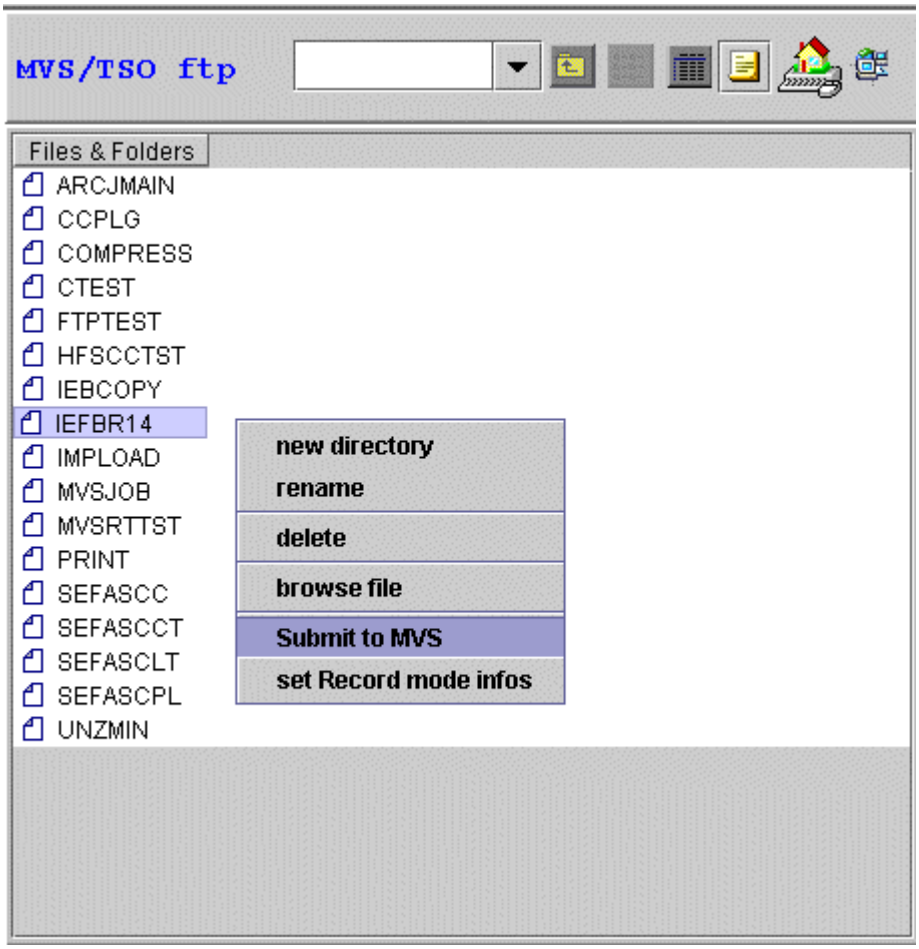
- Viewing JOB results in TEXT mode when is toggled , or in HTML mode when is toggled .(see § 4.1.3)

- Transferring JOB queue content to local file system.

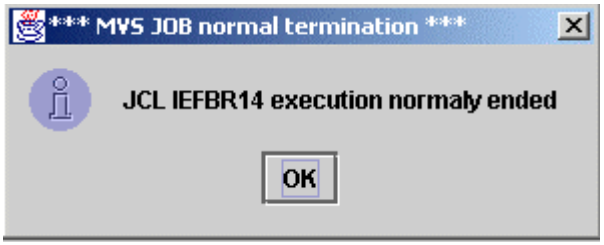
4.1.2 Submitting Jobs.

YaFtp provides the capability of SUBMITTING JCL either from Local file system or from remote file system.

When connecting to an OS390 FTP server one extra submenu item is provided on the right mouse click popup menu :



When the submitted JOB has ended the following POP UP windows shows up if your FTP connection is still active :



NB : In order to be able to view JES HOLD JOB from FTP your JOB NAMES MUST FIT YOUR USERID + One extra caracter.(See IBM's FTP documentation for more details)

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4.1.3 Viewing JOB results.

MVS HOLD queue job results may be viewed by double clicking on any of OUT PUT JOB available inside the JES2 JOB HOLD list.

If the TEXT MODE icon is toggled inside the Button bar :

- CASE 1 : you did not define any External Editor customization inside the YaFtp Configuration file : The job is displayed in TEXT MODE inside the JAVA internal frame, using a default simple basic JAVA EDITOR.

- CASE 2 : you have provided the name of your favorite editing tool inside the YaFtp Configuration file : YaFtp will launch your favorite editor and provide it with the name of a temporary local file name containing the FTP transferred file requesting for browsing / editing.

If the HTML MODE icon is toggle inside the button bar :

- CASE 1 : you did not define any External Editor customization inside the YaFtp Configuration file : The job is displayed in TEXT MODE inside the JAVA internal frame, using a default simple basic JAVA EDITOR.

- CASE 2 : you have provided the name of your favorite editing tool inside the YaFtp Configuration file : YaFtp will launch your favorite editor and provide it with the name of a temporary local file name containing the FTP transferred file requesting for browsing / editing.

The following picture presents a job result formatted in HTML and automatically displayed inside and external browser when double clicking on JES2 JOB inside JES2 job list :

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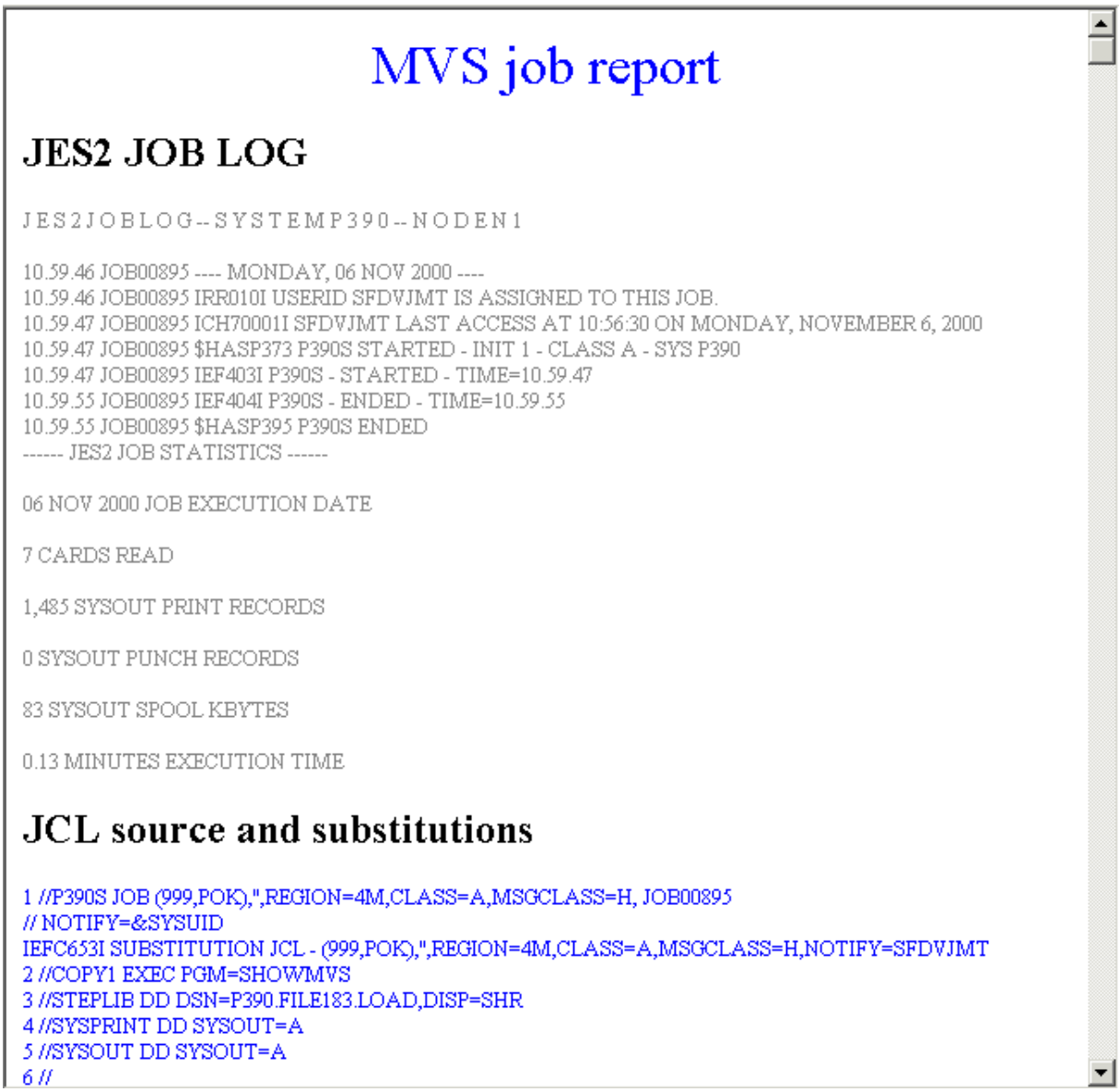

MVS job report

JES2 JOB LOG

JES2JOBLOG--SYSTEMP390--NODEN1

10.59.46 JOB00895 ---- MONDAY, 06 NOV 2000 ----
10.59.46 JOB00895 IRR010I USERID SFDVJMT IS ASSIGNED TO THIS JOB.
10.59.47 JOB00895 ICH70001I SFDVJMT LAST ACCESS AT 10:56:30 ON MONDAY, NOVEMBER 6, 2000
10.59.47 JOB00895 $HASP373 P390S STARTED - INIT 1 - CLASS A - SYS P390
10.59.47 JOB00895 IEF403I P390S - STARTED - TIME=10.59.47
10.59.55 JOB00895 IEF404I P390S - ENDED - TIME=10.59.55
10.59.55 JOB00895 $HASP395 P390S ENDED
------ JES2 JOB STATISTICS ------

06 NOV 2000 JOB EXECUTION DATE

7 CARDS READ

1,485 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

83 SYSOUT SPOOL KBYTES

0.13 MINUTES EXECUTION TIME

JCL source and substitutions

1 //P390S JOB (999,POK),'',REGION=4M,CLASS=A,MSGCLASS=H, JOB00895
// NOTIFY=&SYSUID
IEFC653I SUBSTITUTION JCL - (999,POK),'',REGION=4M,CLASS=A,MSGCLASS=H,NOTIFY=SFDVJMT
2 //COPY1 EXEC PGM=SHOWMVS
3 //STEPLIB DD DSN=P390.FILE183.LOAD,DISP=SHR
4 //SYSPRINT DD SYSOUT=A
5 //SYSOUT DD SYSOUT=A
6 //

4.1.4 Implementing mime processing and EXTERNAL 'object browsing'.

5 YaFtp Configuration file description.

Field Name	Description
Ftp.retrprotocol	This variable defines the FTP protocol used to retrieve files. Two protocols are possible and defined by FTP RFC : PORT or PASV. Ftp.retrprotocol=[PORT | PASV] PASV is the default and suggested protocol : some FTP server may reject the PORT command for security reasons.
Ftp.workDirectory	This variable contains a local directory location, where temporary transferred files (ie Browsed files …) are stored. Examples : Ftp.workDirectory=./tmp request the work directory to

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	be located in the tmp directory relative to YaFtp installation directory.
Ftp.editorClassName	Defines the tool which should be used for Edit or Browse YaFtp function. if this property is not defined default java internal com.yaftp.utils.SwingEditorPanePanel is used and browsing using default simple java text editors take place inside the internal YaFtp Frame. If user wants to use external browsing or editing tools like(xemacs, ms ie, Ultraedit….) the following value should be set : com.yaftp.utils.OsEditorPanePanel. This class is a Java class, provided inside YaFtp package and able to start external OS processes from the Java VM.
Ftp.externalEditorInitArgs	If defined, this property should contains the full path/executablename of an EDITOR/BROWSER that will be launched when double clicking on a file when the icon is toggled.
Ftp.externalBrowserInitArgs	If defined, this property should contains the full path/executablename of an EDITOR/BROWSER that will be launched when double clicking on a file when the icon is toggled.
Mime.	Mime types may be defined by users to provide automatic tools associations when editing file types. See § 4.1.4 for detail explanations and examples on this topic.
License.file	This property defines the full path name location of the yaftp license file. When installing , the license is located in the same directory as yaFtpConfiguration file and the value of this property is defaulted to : License.file=./yaftp.key WARNING : if this property is missing or wrong , you won't be able to start YaFtp.

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