Jagacy 3270

Jagacy 3270 is a feature rich 3270 terminal emulator written entirely in Java. It supports SSL, TN3270E, and over thirty languages

Jagacy 3270 requires Java 1.3.1 or higher (Java 1.5.0 or higher for SSL support).

1. Introduction

Jagacy 3270 is a full-featured terminal emulator that is 100% Java. It can be configured by a system administrator using the properties files `jagacy.properties` and `<userid>.properties`. These are loaded from the directory indicated by the environment variable `JAGACY_PROPERTIES_DIR`. Jagacy 3270 is discussed in a later section.

2. Features

Jagacy 3270 is configured using properties. Property values that begin and/or end with spaces can be quoted. Properties are discussed further in the next section.

3. Properties

Pages change: fields are added, deleted, and moved. Timeouts change when mainframes are moved or network equipment is replaced. Different languages must be supported for international applications.

Jagacy 3270 reads the property files from the current working directory (unless `jagacy.properties.dir` is set, see below). If one of the files does not exist, it skips it. Jagacy 3270 reads the properties in the following order:

1) jagacy.properties,
2) <userid>.properties,
3) System properties

If a property exists in two places, it is overwritten by the second occurrence in the above order.

If the System property `jagacy.properties.dir` is set, Jagacy 3270 will read the properties files from the specified directory. If the property is set to `classpath`, the CLASSPATH will be searched for the properties file(s) (for the -jar command line option use `jagacy.class.path`). This property can only be specified on the command line or with `System.setProperty()`. If this property is set, at least one of the properties files must exist in the specified directory.

In addition to method properties, Jagacy 3270 supports the following properties:

Property	Default Value	Allowed Values
jagacy.host	None	Any host name or IP address.
jagacy.port	23	Any valid port number.
jagacy.terminal	IBM-3278-2	<u>24x80:</u> 　　IBM-3277-2 　　IBM-3278-2 　　IBM-3278-2-E 　　IBM-3279-2 　　IBM-3279-2-E <u>32x80:</u> 　　IBM-3278-3 　　IBM-3278-3-E 　　IBM-3279-3 　　IBM-3279-3-E <u>43x80:</u> 　　IBM-3278-4 　　IBM-3278-4-E 　　IBM-3279-4 　　IBM-3279-4-E <u>27x132:</u> 　　IBM-3278-5 　　IBM-3278-5-E 　　IBM-3279-5 　　IBM-3279-5-E
jagacy.codepage	INTERNAL	INTERNAL – Default EBCDIC conversion. CP037 – Australian, Canadian, English (U.S.), Netherlands, and Portuguese. CP273 – Austrian/German. CP277 – Danish and Norwegian. CP278 – Finnish and Swedish. CP280 – Italian. CP284 – Spanish. CP285 – English (U.K.), Irish. CP297 – French. CP420 – Arabic. CP424 – Hebrew. CP500 – Swiss, Belgian. CP838 – Thai.

Property	Default Value	Allowed Values
		CP855 – Cyrillic. CP857 – Turkish. CP869 – Greek. CP870 – Multilingual Latin-2. CP871 – Icelandic. CP918 – Urdu. CP1026 – Latin-5, Turkish. CP1047 – Latin-1. CP1140 – Australian, Canadian, English (U.S.), Netherlands, and Portuguese (with €). CP1141 – Austrian/German (with €). CP1142 – Danish and Norwegian (with €). CP1143 – Finnish and Swedish (with €). CP1144 – Italian (with €). CP1145 – Spanish (with €). CP1146 – English (U.K.), Irish (with €). CP1147 – French (with €). CP1148 – Swiss, Belgian (with €). CP1149 – Icelandic (with €).
jagacy.sysreq	abort output	abort output interrupt test request
jagacy.attn	break	break interrupt
jagacy.signals	true	true false (useful for Tomcat)
jagacy.class.path	empty string	`%CLASSPATH%` (for Windows) `"$CLASSPATH"` (for Linux/Mac OS X)
jagacy.ssl	false	true false
jagacy.ssl.keyFile	empty string	Valid key file directory and name
jagacy.ssl.keyPassword	empty string	Valid key password.
<userid>.logLevel (activated if log4j=false)	error	trace info debug warn error fatal
<userid>.logFile (activated if log4j=false)	out	out – System.out err – System.err Any valid file name
<userid>.window	false	true or false
<userid>.deviceName	empty string	Valid device/LU name

<userid>.log4j	false	true (**Jagacy must be in the classpath before log4j**) false

where <userid> is the name of the current user. Properties can be specified in either property file. Properties can be specified in either property file.
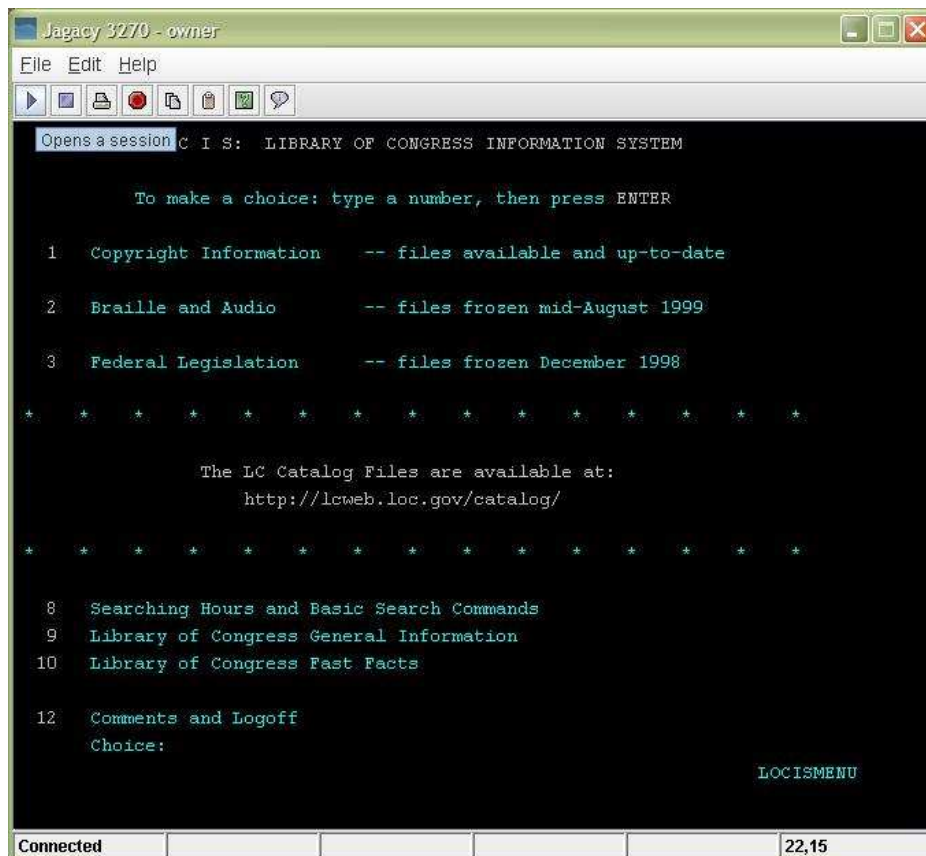
4. Jagacy 3270

Jagacy 3270 is a feature rich 3270 emulator. It can be run from the command line as follows:

```
jagacy3270
```

for Windows, and:

```
jagacy3270.sh
```

for Linux and Mac OS X:

Once the screen opens, select `File->Open Session` from the menu, and type in the host name.   Once you hit OK, a session will begin. Most keys have their obvious functionality: other keys can be found in the `Help` menu.

During emulation, the following colors indicate the type of field:

Cyan – Protected,
White – Protected and intensified,
Green – Unprotected,
Red – Unprotected and intensified.