



Report Runner Toolkit Technical Documentation



DOCUMENTATION



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OVERVIEW

Jeff-Net Report Runner Toolkit (JNRRT) is an all purpose report and file management and print utility, which you control using a simple scripting language. It can be called from an application or scheduled using the Windows Scheduler. You can log into a server, upload, download, query remote and local directories, create and extract zip files, print Crystal Reports files (that have saved data), print text files, display text messages and display popup messages.

The way the script is processed is you simply pass the file to process as a command line parameter to the JNRRT.EXE. With this technique you can schedule numerous kinds of tasks using the Windows Scheduler.



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SIMPLE SCRIPT KEYWORDS

You control the utility by writing simple scripts. The scripts are passed to the program on the command line. This utility is meant to be used by programmers or people with a pretty technical background. Many of the keywords have to go in a particular order, but anyone who has programmed before, this should be really simple. Here are the keywords:

Note: Keywords in **RED** are action keywords. This means they do something to a file or execute a function. If they are not red, then they function to set up the actions in red. Many of the action keywords have parameters that should be set before executing. For example, you can't do a **CONNECT** without setting the **SERVER**, **USERNAME**, and **PASSWORD**.

FTP-RELATED KEYWORDS:

- **SERVER** - Name server to connect to
- **USERNAME** - Specify the user name or ID to use to connect to server
- **PASSWORD** - Specify password for user name or ID
- **CONNECT** - Attempts to connect to **SERVER** using **USERNAME** and **PASSWORD**
- **TRANSFERTYPE** - Specify what format to upload or download files (ascii or binary)
- **GETFILE** - Name of file to retrieve from **SERVER**
- **PUTFILE** - Name of file to upload to **SERVER**
- **SAVEASFILE** - Specify name of file being upload (PUT) or downloaded (GET)
- **GO** - Begin the upload, download, or copy
- **DISCONNECT** - Disconnect from **SERVER**
- **LOCALDIR** - Sets the local file directory to put retrieved files in
- **REMOTEDIR** - Sets the remote FTP directory to get files from
- **SETFILETYPE** - Sets three character file extension to be used for directory operations. Note, you can **not** use just any kind of wildcard. It must be formatted **"*.RPT"** or **"*.TXT"** or **"*.ZIP"** (any three character file extension). The only exception to this is **"*.*"**. You are allowed to use **"*.*"**, but be careful with it.
- **GETFILES** - Executes the wildcard search for files from the FTP site

PRINTING-RELATED KEYWORDS:

- **PRINTER** - Set printer by device name
- **PRINTTEXTFILE** - Print a text file
- **PRINTALLTEXTFILES** - Print all text (TXT) files in **LOCALDIR**
- **PRINTCRYSTALREPORT** - Print a Crystal Report (report **MUST** have saved data in it)
- **PRINTALLCRYSTALREPORTS** - Print all Crystal Report (RPT) files in **LOCALDIR**

FILE MANAGEMENT-RELATED KEYWORDS:

- **DELETEREMOTEFILES** - Deletes all files in remote directory that match up with **SETFILETYPE**. This function requires you to set the remote directory and the **SETFILETYPES** before running it.
- **DELETELOCALFILES** - Deletes all files in local directory that match up with **SETFILETYPE**
- **COPYFROM** - Sets input file to copy from
- **COPYTO** - Sets output file to copy to
- **COPY** - Executes copy using **COPYFROM** and **COPYTO** values



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MISCELLANEOUS KEYWORDS:

- **MESSAGE** - Display whatever text is after it in the display on screen
- **MSGBOX** - Display whatever text in message box with an OK prompt (pauses script until user hits OK); Not recommended for use with automated/scheduled scripts
- **QUIT** - Stop all processing and exit FTP application
- **QUITPAUSE** - Stop all processing, but do not exit FTP application (User must press OK)

ZIP-RELATED KEYWORDS:

- **ZIPCREATE** - Creates a new zip archive and sets it up to add files
- **ZIPOPEN** - Opens a zip archive and sets it up to allow for adding/deleting files
- **ZIPPASSWORD** - Sets zip password (used to open protected zip or set password for files that you are adding)
- **ZIPADD** - Adds file to a currently opened zip archive; can use wildcards
- **ZIPEXTRACTALL** - Extracts all files from an open zip archive
- **ZIPEXTRACT** - Extracts selected file(s) from an open archive; can use wildcards
- **ZIPDELETE** - Removes Specified File(s) from a currently opened archive.
- **ZIPCLOSE** - Closes zip file; it is important to close an open zip file before trying to copy or delete it.



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RANDOM NOTES

- Lines in script files that do not begin with correct keywords are simply ignored. Based on that it is easy to create comments in scripts. Alternatively you can comment out a script line by putting a 'tick' mark in front of a keyword or put an asterisk in front of it.
- Do not use "=" (equal) signs after the keywords.
- All command/keywords have one single parameter. If you're trying to pass two parameters to one of the commands, you are doing something wrong. The format for keywords is:

KEYWORD <parameter>

- Unless reset or changed, settings are retained throughout the script. For example, if you set a password for zip files, using ZIPPASSWORD, anything you zip or unzip will use that password, unless you change it or set it to nothing by putting ZIPPASSWORD in the script with nothing after it (no password parameter).
- If you are scheduling a script to run in Windows Scheduler, you set it up by putting the path and JNRRT.EXE in quotes, then put the path and script name outside the quotes. For example:

```
"C:\Program Files\Jeff-Net Report Runner Toolkit\JNRRT.EXE" c:\scripts\printcr.txt
```
- For support, please post ALL questions in our support forum. Please check the forums for answers to common questions, too. Due to the nature of script writing, the possibilities are endless, for example, if you can't connect to your server, there's not a lot we can do to fix it. We promise to monitor questions in the support forums, and we will respond to them promptly. We encourage you to answer user inquiries, too.
- You can open a script and run it from with JNRRT.
- There is a very detailed log file that can be turned on. Click on the Help menu, then Turn On the JNRRTLOG.TXT debug log. The log file will be generated in the same directory that JNRRT.EXE resides. The log is rewritten each time JNRRT.EXE is started.
- If the log is turned on, all printers connected to the PC is displayed at the beginning of the log file. The printers listed can be used with the SETPRINTER script keyword.



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SAMPLE SCRIPT FILE #1

MESSAGE This downloads a file...

SERVER ftpupload.jeff-net.com

USERNAME bobjones

PASSWORD thepassword

CONNECT

TRANSFERTYPE ascii

GETFILE /website/mysoftware/users/importantfile.txt

SAVEASFILE C:\DOWNLOADS\downloadedimportantfile.txt

GO

DISCONNECT

MSGBOX File was downloaded!

QUIT



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SAMPLE SCRIPT FILE #2

MESSAGE This uploads a file...

```
SERVER ftpupload.jeff-net.com
USERNAME bobjones
PASSWORD genericpassword
```

CONNECT

TRANSFERTYPE ascii

```
SAVEASFILE /website/mysoftware/users/newimportantfile.txt
PUTFILE C:\DOWNLOADS\editedimportantfile.txt
GO
```

DISCONNECT

MSGBOX File was uploaded!

QUIT



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SAMPLE SCRIPT FILE #3

MESSAGE This does multiple downloads of specific files...

```
SERVER ftpupload.jeff-net.com
USERNAME bobjones
PASSWORD genericpassword
```

```
CONNECT
```

```
TRANSFERTYPE ascii
```

```
GETFILE /website/mysoftware/users/importantfile.txt
SAVEASFILE C:\DOWNLOADS\downloadedimportantfile.txt
GO
```

```
GETFILE /website/mysoftware/users/importantfile.txt
SAVEASFILE C:\DOWNLOADS\downloadedimportantfile.txt
GO
```

```
GETFILE /website/mysoftware/users/importantfile.txt
SAVEASFILE C:\DOWNLOADS\downloadedimportantfile.txt
GO
```

```
DISCONNECT
```

```
MSGBOX Multiple files were downloaded!
```

```
QUIT
```



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SAMPLE SCRIPT FILE #4

MESSAGE This downloads all RPT files from server, prints them, then deletes them...

```
SERVER ftpupload.jeff-net.com
USERNAME bobjones
PASSWORD genericpassword
```

```
CONNECT
```

```
TRANSFERTYPE binary
```

```
SETFILETYPE *.RPT
```

```
REMOTEDIR /website/myreportfiles/crystal/
LOCALDIR C:\DOWNLOADS\CRYSTALTEMP\
```

```
GETFILES
```

```
DISCONNECT
```

```
PRINTER HP_LASERJET5
```

```
PRINTALLCRYSTALREPORTS
```

```
DELETELOCALFILES
```

```
MSGBOX All remote Crystal Reports files downloaded, printed, and deleted!
```

```
QUIT
```



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SAMPLE SCRIPT FILE #5

```
MESSAGE This downloads all RPT files from server, prints them, zips them, deletes them...

SERVER ftpupload.jeff-net.com
USERNAME bobjones
PASSWORD genericpassword

CONNECT

TRANSFERTYPE binary

SETFILETYPE *.RPT

REMOTEDIR /website/myreportfiles/crystal/
LOCALDIR C:\DOWNLOADS\CRYSTALTEMP\

GETFILES

DISCONNECT

PRINTER HP_LASERJET5

PRINTALLCRYSTALREPORTS

ZIPCREATE C:\DOWNLOADS\CRYSTALTEMP\REPORTBACKUP.ZIP

ZIPADD C:\DOWNLOADS\CRYSTALTEMP\*.RPT

ZIPCLOSE

COPYFROM C:\DOWNLOADS\CRYSTALTEMP\REPORTBACKUP.ZIP
COPYTO C:\PROCESSEDREPORTS\REPORTBACKUP.ZIP
COPY

DELETELOCALFILES

SETFILETYPE *.ZIP

DELETELOCALFILES

MSGBOX All remote Crystal Reports files downloaded, printed, zipped, and deleted!

QUIT
```