

R:SFTPClient 11



Help Manual



R:SFTPClient 11

Manual

by R:BASE Technologies, Inc.

Welcome to R:SFTPClient 11!

R:SFTPClient is a fully automated "secure" FTP client for simple file management both locally and remotely. R:SFTPClient gives Internet users the ability to quickly upload, download, delete and rename one or more files as well as create and delete directories on a FTP server.

R:SFTPClient supports SSH/SSH2 encryption at the 512-bit level.

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Part



1 Introduction

1.1 Introducing R:SFTPClient 11

R:SFTPClient is a fully automated SFTP client for file management, offering both password and key file authentication methods. R:SFTPClient gives users the ability to quickly upload, download, delete and rename one or more files as well as create and delete folders on a SFTP server.

R:SFTPClient supports SSH/SSH2 encryption at the 512-bit level and provides strong authentication and secure communications over insecure channels.

A progress window, which can be disabled, displays what percentage of files has already been uploaded or downloaded. The progress window contains a "Abort Transmission" button to cease the connection to the SFTP server. The SFTP Log can also be displayed or disabled, as well as saved to a file. A wait parameter is available to momentarily pause SFTP transactions.

R:SFTPClient is a perfect SFTP client solution for software developers as well as Webmasters of all levels.

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First Edition

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- To have operating system, workstations, and local network installed and functional. RBTI will NOT be responsible for resolving issues not pertaining to the Program.
- Our support staff deals with advanced issues, therefore the person contacting RBTI for assistance should be the system administrator or have other R:BASE/SQL experience and be able to understand and implement the advice given.
- To have the database(s) being converted, safely backed-up before attempting conversion process. RBTI will NOT be held responsible for lost data or corruption as a result of advice given.

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1.4 Complimentary Support

30 DAY LIMITED COMPLIMENTARY TECHNICAL SUPPORT

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2. To have operating system, workstations, and local network installed and functional. R:BASE Technologies will NOT be responsible for resolving issues not pertaining to the software product.
3. Our support staff deals with advanced issues, therefore the person contacting R:BASE Technologies for assistance should be the system administrator or have other R:BASE/SQL experience and be able to understand and implement the advice given.
4. To have the database, application, and command files being reviewed, safely backed-up before attempting assistance. R:BASE Technologies will NOT be held responsible for lost data or corruption as a result of advice given.

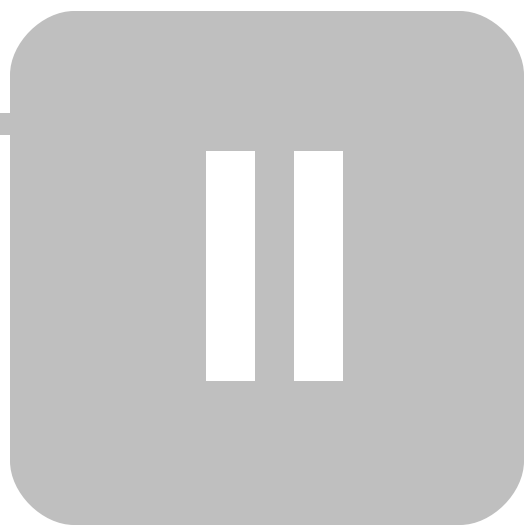
B. R:BASE TECHNOLOGIES, INC. RESPONSIBILITIES.

1. To provide quality assistance in a timely manner to aid in the installation of the product and elementary conversion of database, application, and command files within 30 days of the date of purchase.
2. To provide a reasonable solution for any solvable issue. Not all issues may be solved, and therefore we will acknowledge the existence of known issues, or bugs, which we are presently aware of, that have no reasonable work-around.

R:BASE Technologies reserves the right to limit the amount of support time allotted to a maximum of 2 HOURS during the 30-Day Complimentary Technical Support period. We also reserve the right to limit the quantity of calls from a particular licensee to 30 MINUTES in a single day. Issues are dealt with on a case-by-case basis, and are handled at the discretion of the support agent assigned to the case. Complimentary Support is limited to INSTALLATION and ELEMENTARY CONVERSION related issues ONLY. Our support hours are Monday through Friday, from 10:00 AM to 6:00 PM (EST).

For application, design, or advanced conversion assistance, R:BASE Technologies offers Technical Support Plans of various types to meet your needs. Please visit the Support page at <https://www.rbase.com/support> for details and pricing.

Part



2 Installation

2.1 System Requirements

The following system specifications are recommended for the optimal use of R:BASE and R:BASE-related software.

Workstation Hardware

- 2-Core 2GHz+ CPU
- 2 GB of available RAM (4 GB recommended)
- 2 GB of available hard disk space
- 1024x768 or higher resolution video adapter and display
- Standard mouse or compatible pointing device
- Standard keyboard

Server Hardware

- 2-Core 2GHz+ CPU
- 6 GB of available RAM (8 GB recommended)

Operating System

- Microsoft Windows 11 (Professional)
- Microsoft Windows 10 (Professional)
- Microsoft Windows Server 2025
- Microsoft Windows Server 2022
- Microsoft Windows Server 2019
- Microsoft Windows Server 2016

Network

- Ethernet infrastructure (Gigabyte recommended)
- Internet connection recommended, but not required, for license activation, software updates, and support
- Anti-virus programs should exclude the R:BASE program, and any add-on product, executable and database files

2.2 Things You Will Need

- License Key

Before launching the installer, it is recommended that you have your 32-character License Key readily available. The License Key is provided in a document, with the email message, when the software was originally purchased. If you have lost or misplaced your License Key, please contact our Support Staff by email at support@rbase.com.

- Internet Access

The computer where the software will be launched should have access to the Internet for activation. The Internet access is used to visit the R:BASE Technologies Web site to provide your required Activation Key.

In instances where the software will be installed on a computer that is not connected to the Internet, you must then contact R:BASE Technologies to provide information displayed on the computer screen. Please contact our Product Activation Staff by email at activationkey@rbase.com. The Registration Number must be provided. The Registration Number is displayed on the invoice/order slip, and within the email, when the software was originally purchased.

2.3 Software Installation

The installation of R:SFTPCClient is fully automated and does not require user intervention for the initial setup.

Run the installer ".exe", provided by download, while physically sitting at the workstation to begin the installation process, and read the installer screens for licensing and other information as the program installs.

Installation Directory

C:\RBTI\RSFTPCClient11

Files Installed

RSFTPCClient11.rbm
RSFTPCClient11.chm
RSFTPCClient11.pdf
License.rtf
ReadMe.txt

Requirements:

Plugin

The R:SFTPCClient 11 Plugin file (RSFTPCClient11.rbm) must be placed in the R:BASE 11 program directory (default: C:\RBTI\RBG11) or the runtime/compiled application directory.

2.4 Plugin Activation

R:BASE Plugins can be used to enhance, or extend R:BASE operations. Current R:BASE Plugins use the .RBM file extension.

To begin using any plugin product, the plugin must be registered for use.

The license type for R:BASE and R:BASE plugin products must match. The license keys supplied with Single Seat and 5 Seat plugin products will only be accepted within Single Seat and 5 Seat versions of R:BASE, and are not accepted within R:Compiler for R:BASE or Runtime for R:BASE programs. The same license structure is also in place for Runtime License Keys for plugin products, where the key will not be accepted within Single Seat and 5 Seat Licenses R:BASE.

2.4.1 R:BASE

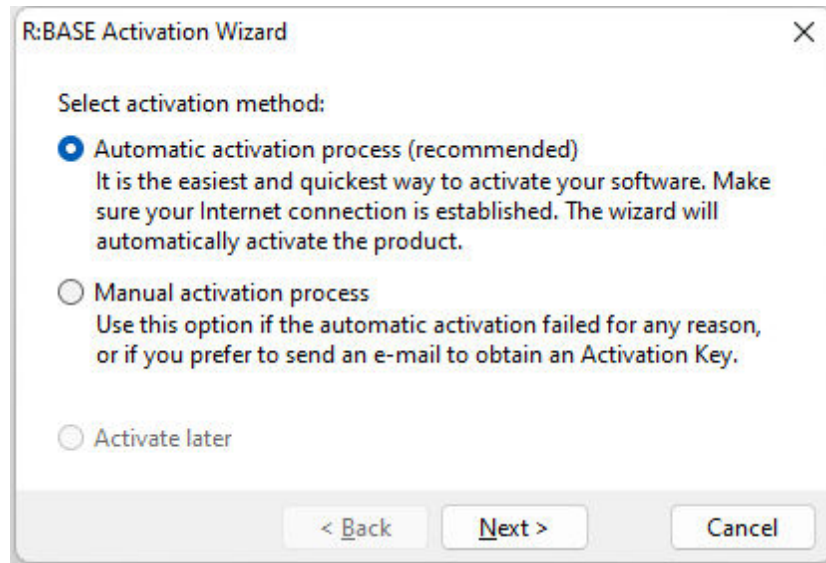
To begin using a plugin product, you must register the software within R:BASE by selecting "Help" > "Product Activation" from the main Menu Bar. In this window, select the "Add New" button where you can enter or copy and paste the License Key you received with your product.

Only "Per Seat" License Keys are valid for this entry screen. All "Runtime" License Keys must be registered within R:Compiler for R:BASE or within Runtime for R:BASE separately.

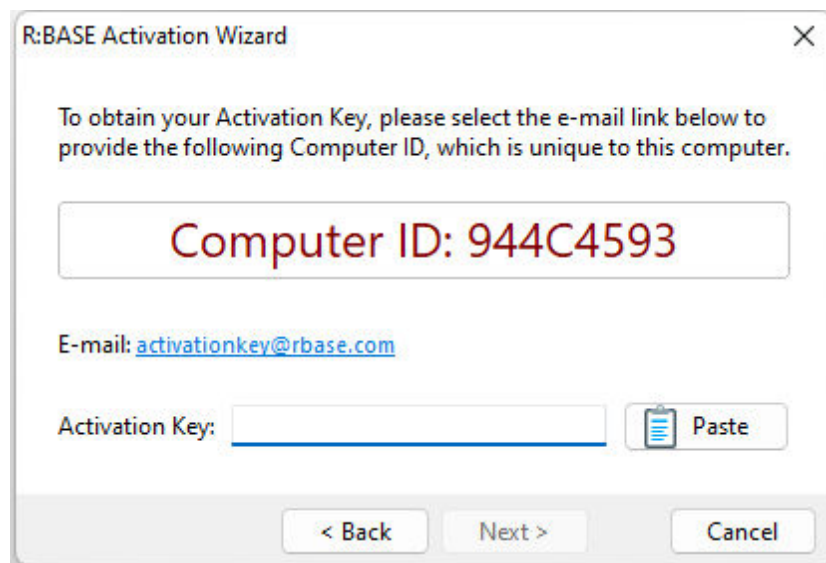


The image shows a "License Information" dialog box with a close button (X) in the top right corner. Inside the dialog, there is a label "Enter License Key:" followed by a text input field divided into eight segments by hyphens. Below the input field, there are three buttons: a "Paste" button with a clipboard icon, an "OK" button with a green checkmark, and a "Cancel" button with a red X.

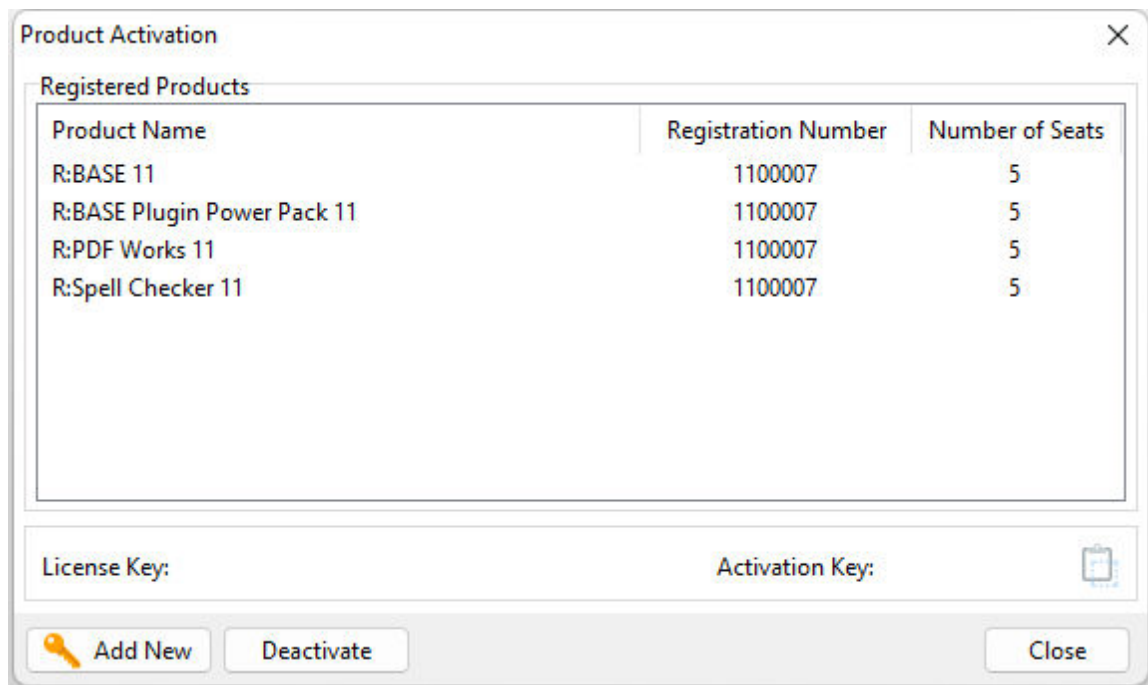
After entering the License Key, you will see a dialog to prompt for your activation method. The software can be activated automatically over the Internet, or manually by retrieving an Activation Key from R:BASE Technologies by email or over the phone. If you select "Later", you will be reminded each time R:BASE starts to activate your copy.



When activating the software manually, you select the e-mail link to launch your email client and send a pre-formatted message to R:BASE Technologies that will contain your License Key and the displayed Computer ID. You will need to provide your R:BASE Registration Number and Computer ID.



At any time, you can review your product information by starting R:BASE, and from the Menu Bar clicking on "Help" > "Product Activation". Your R:BASE Registration Number is displayed on the window. You can also enter additional License Keys for R:BASE add-on products.



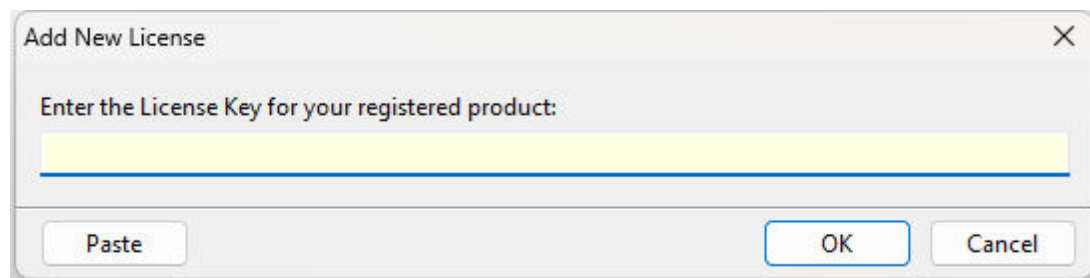
Please be advised that if you are activating multiple workstations, it is highly recommended that you keep records of the computer name, Computer ID and Activation Key for future reference. Access to this information will prove convenient in the event of a hardware failure or license transfer when uninstalling R:BASE.

Please see: [Uninstall/Reinstall](#)

2.4.2 R:Compiler for R:BASE

Runtime License Key

Runtime license keys for an R:BASE Plugin must be stored within the compiled executable. A specific Runtime License Key would be provided after your purchase of the Runtime software product. Adding a Runtime License to your project can be done by selecting the "Add License" button, and pasting the appropriate Runtime License Key into the displayed dialog window.



After a Runtime License is added as a resource, it will be assigned a "Resource ID". This ID consists of the word "License" and an incrementing value for the number of licenses added to the executable.

Plugin File (.RBM)

R:BASE Plugin files can be added and stored within the compiled executable or included within the R:BASE application directory. The Runtime license key pertaining to the R:BASE Plugin must be stored in the compiled executable.

Adding a Plugin to the list of resources can be performed by selecting the "Add Plugin" button on the Tool Bar. You will be prompted to locate the appropriate Plugin file with the .RBM file extension. After a Plugin file is added as a resource, it will be assigned a "Resource ID". This ID consists of the Plugin file name.

2.4.3 Runtime for R:BASE

After R:BASE Plugins are acquired for Runtime for R:BASE applications, the Plugin file must be included in the Runtime application folder, to be loaded when the Runtime application launches.

To load the Plugin, the License Key must be included into the Runtime for R:BASE session by adding the following PROPERTY command within the application startup file:

```
PROPERTY ADD_LICENSE #####-#####-#####-#####-#####-#####-#####-##### ' '
```

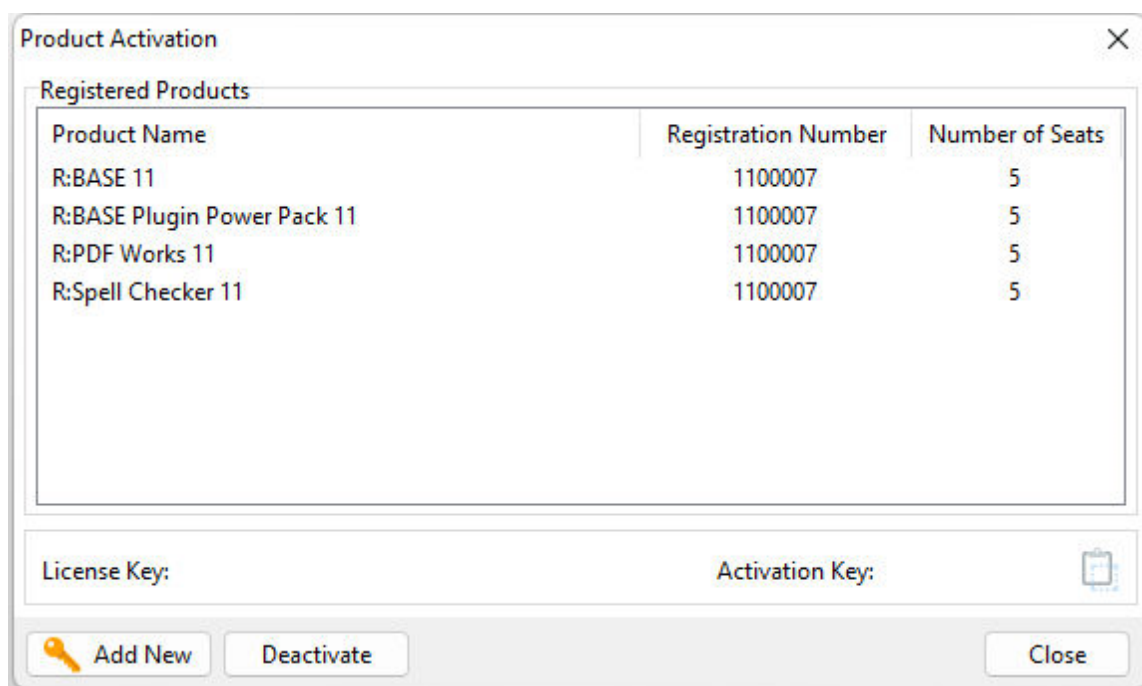

Part



3 Uninstall

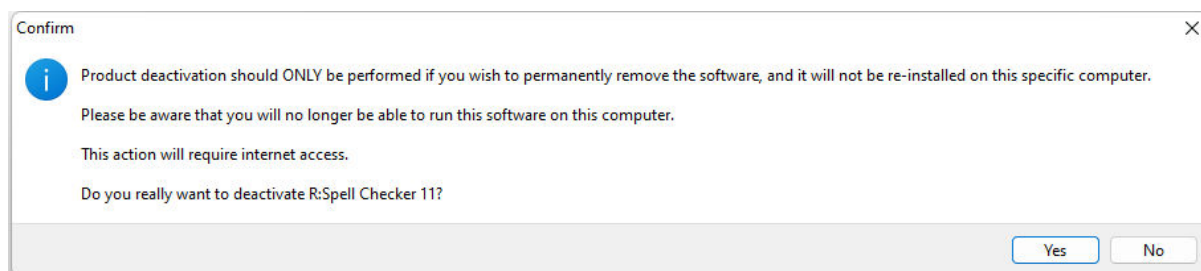
If a computer is no longer using R:SFTPClient, through license transfer or hardware failure, the Activation Key that was used on that computer must be submitted to R:BASE Technologies so we can then remove the Activation Key from our log. We will disable the Key, which will then free up that used activation. Once a key is reported to us as no longer in use and deactivated, it can no longer be used on that computer.

Product deactivation can be performed automatically from within R:BASE. To review your product information select "Help" > "Product Activation" from the Menu Bar. Here, the License Key and Activation Key for a selected product is available for review.



If the License Key for your product is not readily available for the license transfer, select the "Copy License Key" button to send your License Key to the clipboard.

To deactivate a listed product, select it and press the "Deactivate" button. The below confirmation dialog will appear. After selecting "Yes", the product will be removed from the list.



After completing the deactivation of the product, it can be successfully reinstalled and activated.

Part

IV

4 Using R:SFTPCClient

4.1 Command Syntax

Syntax:

```
PLUGIN RSFTPCClient 'VarName|<parameter value>'
```

Where:

- The vResultVar variable name and parameters must be separated by the pipe character "|".
- VarName is the resulting text variable which will return the status of the process, such as 'OK' or the exact -ERROR- message.

Parameters:

| Supported Parameters | Values | Description |
|-------------------------------|---------------|---|
| FTP_USERNAME | value | Specifies the SFTP server user name |
| FTP_PASSWORD | value | Specifies the SFTP server password |
| FTP_HOST | value | Specifies the SFTP server address (ftp.domain.com or 166.45.1.1) |
| FTP_PORT | value | Specifies the SFTP server port (by default 22) |
| KEY_FILE_NAME | value | Specifies the path and file containing the user's private key |
| KEY_PASS_PHRASE | value | Specifies the pass phrase for the supplied KEY_FILE_NAME. If the key file does not have a pass phrase, then leave the parameter empty. |
| FTP_CONNECT | | Connects to the SFTP server. After executing FTP_CONNECT, the vRBTISFTPSrvKey is set to the SFTP server's MD5 fingerprint. The value of vRBTISFTPSrvKey can then be validated. |
| FTP_DISCONNECT | | Disconnects from the SFTP server |
| FTP_CHDIR | value | Changes the current folder on the SFTP server |
| FTP_MAKEDIR | value | Creates a new SFTP server folder |
| FTP_RENAME | value | Renames an existing file on the SFTP server |
| FTP_REMOVEDIR | value | Deletes a SFTP server folder (folder must be empty) |
| FTP_RENAMEDIR | value | Renames a SFTP server folder |
| FTP_UPLOAD | value | Uploads files to the SFTP server from the current folder |
| FTP_DOWNLOAD | value | Downloads files from the SFTP server to the current folder |
| FTP_DELETE | value | Deletes file(s) on the SFTP server |
| FTP_FILESIZE | file name | Returns the size of a particular file |
| FTP_FILE_LIST | value | Returns the names of the files in the current remote folder. Folders are included in the list of returned objects. Folders end with a forward slash "/". Wildcards can be used, or the value can be left blank. |
| FTP_NOOP | | Sends NO Operations to the SFTP server to help you keep your connection alive during periods of inactivity |
| DELETE | value | Deletes file(s) in current folder on the client computer |
| RENAME | value | Renames file(s) in current folder on the client computer |
| RENAME_DIR | value | Renames the folder on the client computer |
| CHDIR | value | Changes current folder on the client computer |
| MKDIR | value | Creates new folder on the client computer |
| WAIT | value | Specifies to pause in milliseconds (1 sec = 1000 milliseconds) |
| AUTOREPLACE | TRUE FALSE | Specifies if a file with same name exists in current directory during the download process, that file will be replaced if AUTOREPLACE is TRUE. When uploading files, AUTOREPLACE is not available. |
| SHOW PROGRESS | | Shows the progress window |
| HIDE PROGRESS | | Hides the progress window |
| SHOW LOG | | Shows the SFTP log |

| | | |
|---------------|---------------|---|
| HIDE_LOG | | Hides the SFTP log |
| SAVE_LOG | TRUE FALSE | Saves the SFTP log |
| LOG_FILE_NAME | value | Specifies the SFTP log file name and directory location |

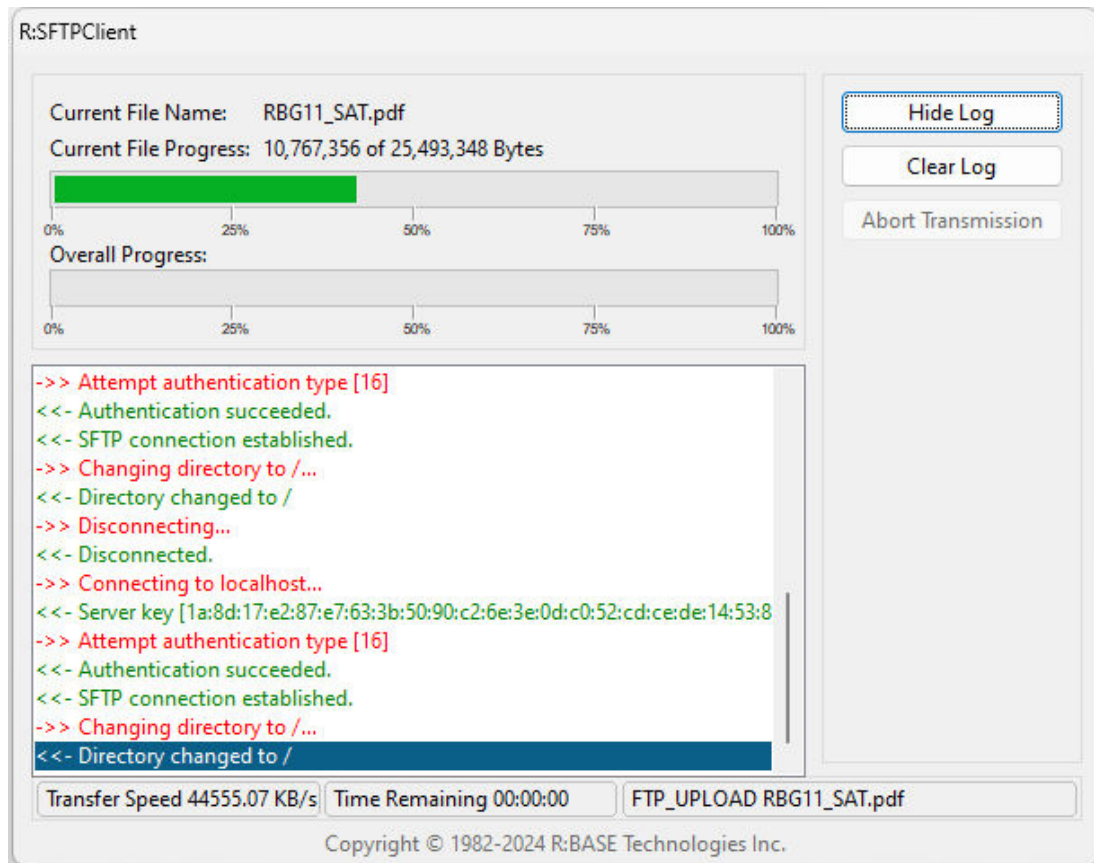
Part



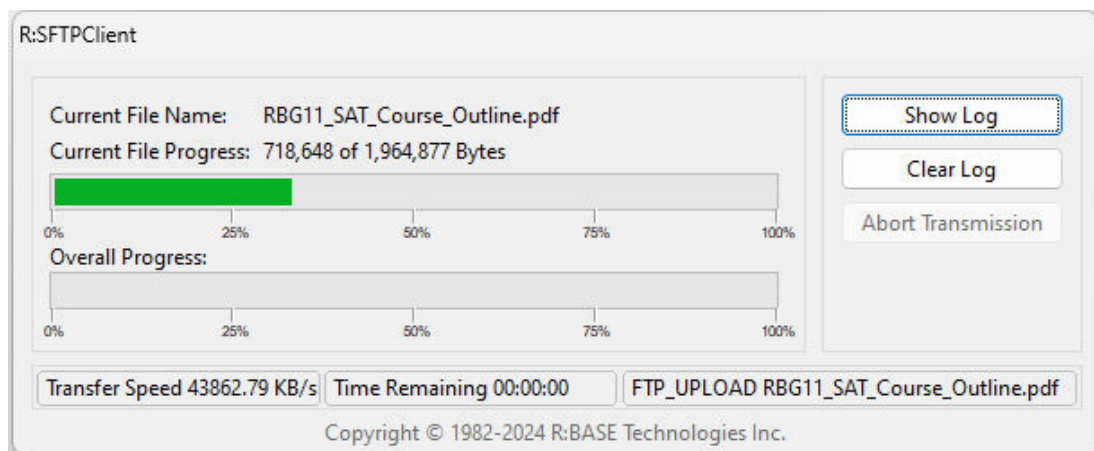
V

5 Progress Window

A progress window, which can be disabled, displays what percentage of files has already been uploaded or downloaded. The progress window contains a "Abort Transmission" button to cease the connection to the SFTP server.



The "log" portion of the progress window can be hidden for a smaller window display.



Part

VI

6 Examples

6.1 Example 1

-- Connects to a SFTP site using a user name and password, changes the folder on the server, and downloads JPG files

```

PLUGIN RSFTPClient 'v1|LOG_FILE_NAME c:\temp\RFTP.log'
PLUGIN RSFTPClient 'v1|SAVE_LOG TRUE'
PLUGIN RSFTPClient 'v1|SHOW_PROGRESS'
PLUGIN RSFTPClient 'v1|FTP_USERNAME ftpadmin'
PLUGIN RSFTPClient 'v1|FTP_PASSWORD ftppasswd'
PLUGIN RSFTPClient 'v1|FTP_HOST ftp.server.com'
PLUGIN RSFTPClient 'v1|FTP_PORT 22'
PLUGIN RSFTPClient 'v1|FTP_CONNECT'
PLUGIN RSFTPClient 'v1|WAIT 2000'
PLUGIN RSFTPClient 'v1|FTP_CHDIR IMAGES'
PLUGIN RSFTPClient 'v1|AUTOREPLACE FALSE'
PLUGIN RSFTPClient 'v1|FTP_DOWNLOAD 0*.jpg'
PLUGIN RSFTPClient 'v1|WAIT 2000'
PLUGIN RSFTPClient 'v1|FTP_DOWNLOAD 1*.jpg'
PLUGIN RSFTPClient 'v1|WAIT 2000'
PLUGIN RSFTPClient 'v1|AUTOREPLACE TRUE'
PLUGIN RSFTPClient 'v1|FTP_DISCONNECT'
PLUGIN RSFTPClient 'v1|HIDE_PROGRESS'
PLUGIN RSFTPClient 'v1|SAVE_LOG FALSE'

```

WHERE:

- **LOG_FILE_NAME** specifies a log file name for the file transfer process
- **SAVE_LOG TRUE** saves the SFTP data log
- **SHOW_PROGRESS** displays the progress
- **FTP_USERNAME ftpadmin** specifies **ftpadmin** as the user name
- **FTP_PASSWORD ftppasswd** specifies **ftppswrd** as the password
- **FTP_HOST ftp.server.com** specifies **ftp.server.com** as the server
- **FTP_PORT 22** specifies **22** as the port number
- **FTP_CONNECT** connects to the SFTP host server
- **FTP_CHDIR IMAGES** changes to the **IMAGES** on the SFTP server
- **AUTOREPLACE FALSE** specifies any files with the same name will NOT be overwritten
- **FTP_DOWNLOAD 0*.jpg** downloads all **jpg** files starting with **0**
- **FTP_DOWNLOAD 1*.jpg** downloads all **jpg** files starting with **1**
- **AUTOREPLACE TRUE** specifies any files with the same name will be overwritten automatically
- **FTP_DISCONNECT** disconnects from the SFTP server
- **HIDE_PROGRESS** hides the progress
- **SAVE_LOG FALSE** closes the SFTP data log

6.2 Example 2

-- Connects to the SFTP server using a key file and pass phrase for authentication, and captures a text file list

```

PLUGIN RSFTPClient 'v1|LOG_FILE_NAME c:\temp\RFTP.log'
PLUGIN RSFTPClient 'v1|SAVE_LOG TRUE'
PLUGIN RSFTPClient 'v1|SHOW_PROGRESS'
PLUGIN RSFTPClient 'v1|FTP_HOST ftp.server.com'
PLUGIN RSFTPClient 'v1|FTP_PORT 22'
PLUGIN RSFTPClient 'v1|FTP_USERNAME ftpadmin'
PLUGIN RSFTPClient 'v1|KEY_FILE_NAME C:\Keys\PrivateKeyFile.ext'
PLUGIN RSFTPClient 'v1|KEY_PASS_PHRASE passphrase'
PLUGIN RSFTPClient 'v1|FTP_CONNECT'
PLUGIN RSFTPClient 'v1|WAIT 2000'
PLUGIN RSFTPClient 'vFiles|FTP_FILE_LIST *.txt'
PLUGIN RSFTPClient 'v1|WAIT 2000'
PLUGIN RSFTPClient 'v1|FTP_DISCONNECT'
PLUGIN RSFTPClient 'v1|HIDE_PROGRESS'
PLUGIN RSFTPClient 'v1|SAVE_LOG FALSE'

```

WHERE:

- **LOG_FILE_NAME** specifies a log file name for the file transfer process
- **SAVE_LOG TRUE** saves the SFTP data log
- **SHOW_PROGRESS** displays the progress
- **FTP_HOST ftp.server.com** specifies **ftp.server.com** as the host server
- **FTP_PORT 22** specifies **22** as the port number
- **FTP_USERNAME ftpadmin** specifies **ftpadmin** as the user name
- **KEY_FILE_NAME** specifies the secure key file
- **KEY_PASS_PHRASE** specifies the pass phrase for the key file
- **FTP_CONNECT** connects the the SFTP host server
- **FTP_FILE_LIST *.txt** captures the file list of text files for the remote folder
- **FTP_DISCONNECT** disconnects from the SFTP host server
- **HIDE_PROGRESS** hides the progress
- **SAVE_LOG FALSE** closes the SFTP data log

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7 FTP Error Codes

| Code | Description |
|--|---|
| 100 Codes - The requested action is being taken. Expect a reply before proceeding with a new command. | |
| 110 | Restart marker reply. |
| 120 | Service ready in (n) minutes. |
| 125 | Data connection already open, transfer starting. |
| 150 | File status okay, about to open data connection. |
| 200 Codes - The requested action has been successfully completed. | |
| 200 | Command okay. |
| 202 | Command not implemented |
| 211 | System status, or system help reply. |
| 212 | Directory status. |
| 213 | File status. |
| 214 | Help message. |
| 215 | NAME system type. (NAME is an official system name from the list in the Assigned Numbers document.) |
| 220 | Service ready for new user. |
| 221 | Service closing control connection. (Logged out if appropriate.) |
| 225 | Data connection open, no transfer in progress. |
| 226 | Closing data connection. Requested file action successful (file transfer, abort, etc.). |
| 227 | Entering Passive Mode |
| 230 | User logged in, proceed. |
| 250 | Requested file action okay, completed. |
| 257 | "PATHNAME" created. |
| 300 Codes - The command has been accepted, but the requested action is being held pending receipt of further information. | |
| 331 | User name okay, need password. |
| 332 | Need account for login. |
| 350 | Requested file action pending further information. |
| 400 Codes - The command was not accepted and the requested action did not take place. The error condition is temporary, however, and the action may be requested again. | |
| 421 | Service not available, closing control connection. (May be a reply to any command if the service knows it must shut down.)` |
| 425 | Can't open data connection. |
| 426 | Connection closed, transfer aborted. |
| 500 Codes - The command was not accepted and the requested action did not take place. | |
| 500 | Syntax error, command unrecognized. This may include errors such as command line too long. |
| 501 | Syntax error in parameters or arguments. |
| 502 | Command not implemented. |
| 503 | Bad sequence of commands. |
| 504 | Command not implemented for that parameter. |
| 530 | User not logged in. |
| 532 | Need account for storing files. |
| 550 | Requested action not taken. File unavailable (e.g., file not found, no access). |
| 552 | Requested file action aborted, storage allocation exceeded |
| 553 | Requested action not taken. Illegal file name. |

Part



8 Technical Support

Please read over the help documentation at least once before seeking support. We have worked very hard to make the help documentation clear and useful, but concise. It is suggested that you reread these instructions once you have become accustomed to using the software, as new uses will become apparent.

If you have further questions, and cannot find the answers in the documentation, you can obtain information from the below sources:

- Email our Technical Support Staff at: support@rbase.com
- Access the R:BASE Technologies Support home page online at <https://www.rbase.com/support>

You may be required to purchase a technical support plan. Several support plans are available to suit the needs of all users. [Available Technical Support Plans](#)

Please be prepared to provide the following:

- The product registration number, which is located on the invoice/order slip for the purchased product
- The type of operating system and hardware in use
- Details regarding your operating environment; such as available memory, disk space, your version of R:BASE, local area network, special drivers, related database structures, application files, and other files that are used or accessed by your application

All provide information will be used to better assist you.

R:BASE Technologies has a number of different services available for R:BASE products. As a registered user, you will receive information about new features for R:BASE and other R:BASE Technologies products. Please remember to register your software. <https://www.rbase.com/register/>

Part

IX

9 Useful Resources

- . R:BASE Home Page: <https://www.rbase.com>
- . Up-to-Date R:BASE Updates: <https://www.rbaseupdates.com>
- . Current Product Details and Documentation: <https://www.rbase.com/rbg11>
- . Support Home Page: <https://www.rbase.com/support>
- . Product Registration: <https://www.rbase.com/register>
- . Official R:BASE Facebook Page: <https://www.facebook.com/rbase>
- . Sample Applications: <https://www.razzak.com/sampleapplications>
- . Technical Documents (From the Edge): <https://www.razzak.com/fte>
- . Education and Training: <https://www.rbase.com/training>
- . Product News: <https://www.rbase.com/news>
- . Upcoming Events: <https://www.rbase.com/events>
- . R:BASE Online Help Manual: <https://www.rbase.com/support/rsyntax>
- . Form Properties Documentation: <https://www.rbase.com/support/FormProperties.pdf>
- . R:BASE Beginners Tutorial: <https://www.rbase.com/support/rtutorial>
- . R:BASE Solutions (Vertical Market Applications): <https://www.rbase.com/products/rbasesolutions>

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10 Feedback

Suggestions and Enhancement Requests:

From time to time, everyone comes up with an idea for something they'd like a software product to do differently.

If you come across an idea that you think might make a nice enhancement, your input is always welcome.

Please submit your suggestion and/or enhancement request to the R:BASE Developers' Corner Crew (R:DCC) and describe what you think might make an ideal enhancement. In R:BASE, the R:DCC Client is fully integrated to communicate with the R:BASE development team. From the main menu bar, choose "Help" > "R:DCC Client". If you do not have a login profile, select "New User" to create one.

If you have a sample you wish to provide, have the files prepared within a zip archive prior to initiating the request. You will be prompted to upload any attachments during the submission process.

Unless additional information is needed, you will not receive a direct response. You can periodically check the status of your submitted enhancement request.

If you are experiencing any difficulties with the R:DCC Client, please send an e-mail to rdcc@rbase.com.

Reporting Bugs:

If you experience something you think might be a bug, please report it to the R:BASE Developers' Corner Crew. In R:BASE, the R:DCC Client is fully integrated to communicate with the R:BASE development team. From the main menu bar, choose "Help" > "R:DCC Client". If you do not have a login profile, select "New User" to create one.

You will need to describe:

- What you did, what happened, and what you expected to happen
- The product version and build
- Any error message displayed
- The operating system in use
- Anything else you think might be relevant

If you have a sample you wish to provide, have the files prepared within a zip archive prior to initiating the bug report. You will be prompted to upload any attachments during the submission process.

Unless additional information is needed, you will not receive a direct response. You can periodically check the status of your submitted bug.

If you are experiencing any difficulties with the R:DCC Client, please send an e-mail to rdcc@rbase.com.

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