RBUpdater

Technologies, Inc.

Help Manual

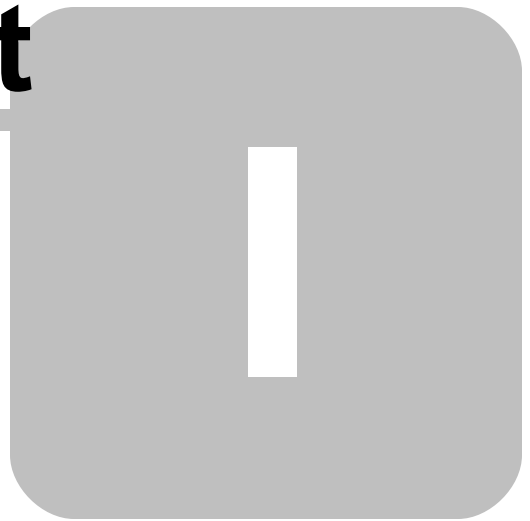# RBUpdater

Help Manual

by R:BASE Technologies, Inc.

Welcome to RBUpdater!

RBUpdater is a file updater for installation packages created using the RBInstaller authoring tool. It offers a friendly and easy to use graphical user interface for creating and maintaining reliable update packages for Microsoft Windows desktop and server platforms.

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Part I

1 Introduction

1.1 Introducing RBUpdater 2.1

RBUpdater is a file updater for installation packages created using the RBInstaller authoring tool. It offers a friendly and easy to use graphical user interface for creating and maintaining reliable update packages for Microsoft Windows desktop and server platforms.

The complexities of RBUpdater are simplified and incorporated into the intuitive interface, so users may easily build an update package without understanding the complicated inner workings of RBUpdater. With a few mouse clicks, the flexible interface will result in a fully-functional update executable.

Update projects can be saved and loaded into RBUpdater allowing you to manage multiple product update packages. RBUpdater has been used in thousands of installations with reliable results.

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First Edition

1.3   License

<div align="center">

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RBUpdater 2.1
Single Seat License

</div>

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<div align="center">**30 DAY LIMITED COMPLIMENTARY TECHNICAL SUPPORT**</div>

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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.

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Part

II
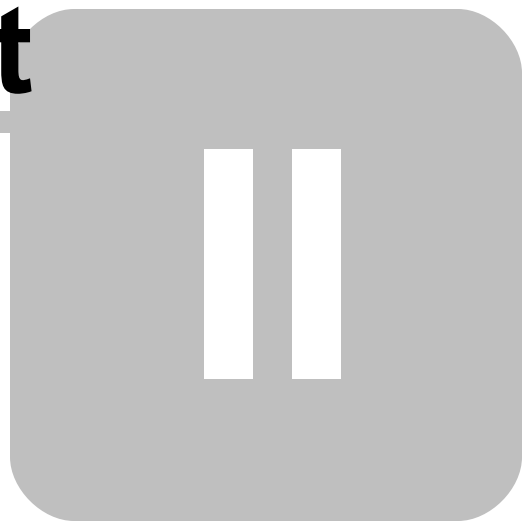
2 Installation

Enter topic text here.

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 Software Installation

Installation of RBUpdater is fully automated, and does not require user intervention for the initial configuration.

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\RBUpdater

Files Installed

RBUpdater.exe
RBUpdateConApp.exe
RBUpdater.chm
RBUpdater.pdf
License.rtf
ReadMe.txt

Part III
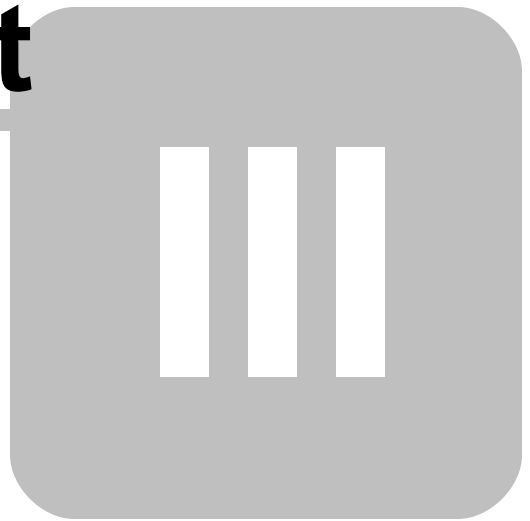
3   Getting Started with your RBUpdater Project

Before you begin building your first updater project, you should organize your computer "product" and associated files into an individual product update directory. This would include the product executable, help documentation, database files, plugins, license, "read me" text file, icons, etc.

In addition to the product files, you should also organize your updater production directory. This directory would include a rich text format license document and an image files that would be displayed across the top of the updater dialog window.

Part IV

4 Update Files

Use the "Update Files" tab to add your software files to the updater project.

Uninstall Key - specifies the "Product Code" that is assigned to your product which is being updated. This code is generated in RBInstaller and is stored in the Windows registry. It can be referenced by your RBUpdater software program to verify that your product is actually already installed.

The registry location where the Product Code will be stored is:
`HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall`

Userdata Key - specifies the Userdata Key that stores the default installation directory for the product application. This key can be referenced by you in the R:Updater software program to verify the installation directory of your program, if you allowed the end user to alter the installation path, and they did so.

The registry location where the Userdata Key will be stored is:
`HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Installer\UserData\S-1-5-18\Components`

Program Location Caption - specifies the caption listed above the listed program location field.

Output File Name - specifies the name for the compiled update executable

Registry Key for Read Last Executed EXE Folder - specifies the executable folder where the product was last executed

Files Date/Time - Specifies the date/time stamp for the files within the update. If no date/time is specified, the update will use the file's date/time stamp.

Windows Files - the Windows root directory (i.e. C:\Windows, C:\WINNT, etc.) where your updated files will be placed into. Use the "Add Win File(s)" and "Delete Win File" buttons to add or delete files to the update project.

System Files - the System root directory (i.e. C:\Windows\System32, C:\WINNT\System32, etc.) where your updated files will be placed into. Use the "Add System File(s)" and "Delete System File" buttons to add or delete files to the update project.

Target Directory - the target directory for your software program (i.e. C:\Program Files\Adobe). Use the buttons to add folders and files to the update project. Folders and files can be deleted using the delete button. Additional sub folders can be added within the Target Directory, but you can not add addition Target directories.

New Root Folder
A new root folder can be added to the Target Directory by selecting Target Directory and pressing the "New Root Folder" button. You can then change the new folder name by selecting it and editing the "Folder Name:" field.

New Folder
A new folder (sub-folder) can be added to the Target Directory by selecting Target Directory, or the selected folder, and pressing the "New Folder" button. You can then change the new folder name by selecting it and editing the "Folder Name:" field.

Add File(s)
Files can also be added by using the "Add File(s)" button. After files have been added, they will appear in the "Target Directory" structure.

Delete
To delete a file or folder, select the item and press the "Delete" button.

Part V

5   Registry

The "Registry" tab allows you to add registry keys and values to the updater package. You can add keys and values to any of the following hives:

- HKEY_CLASSES_ROOT
- HKEY_CURRENT_USER
- HKEY_LOCAL_MACHINE
- HKEY_USERS

Adding New Keys
Use the "Add Key" button to have the default key displayed. With the key selected, you can edit the key name using the "Registry Key Name" field.

Deleting a Key or Value
Use the "Delete Key/Value" button to remove a selected key or value.

Adding New Values
Use the "New Value" button, while the focus is on the desired Key displayed. With the focus on the registry value, the screen will refresh allowing you to define the Value Name, its type (DWord or String), and content.
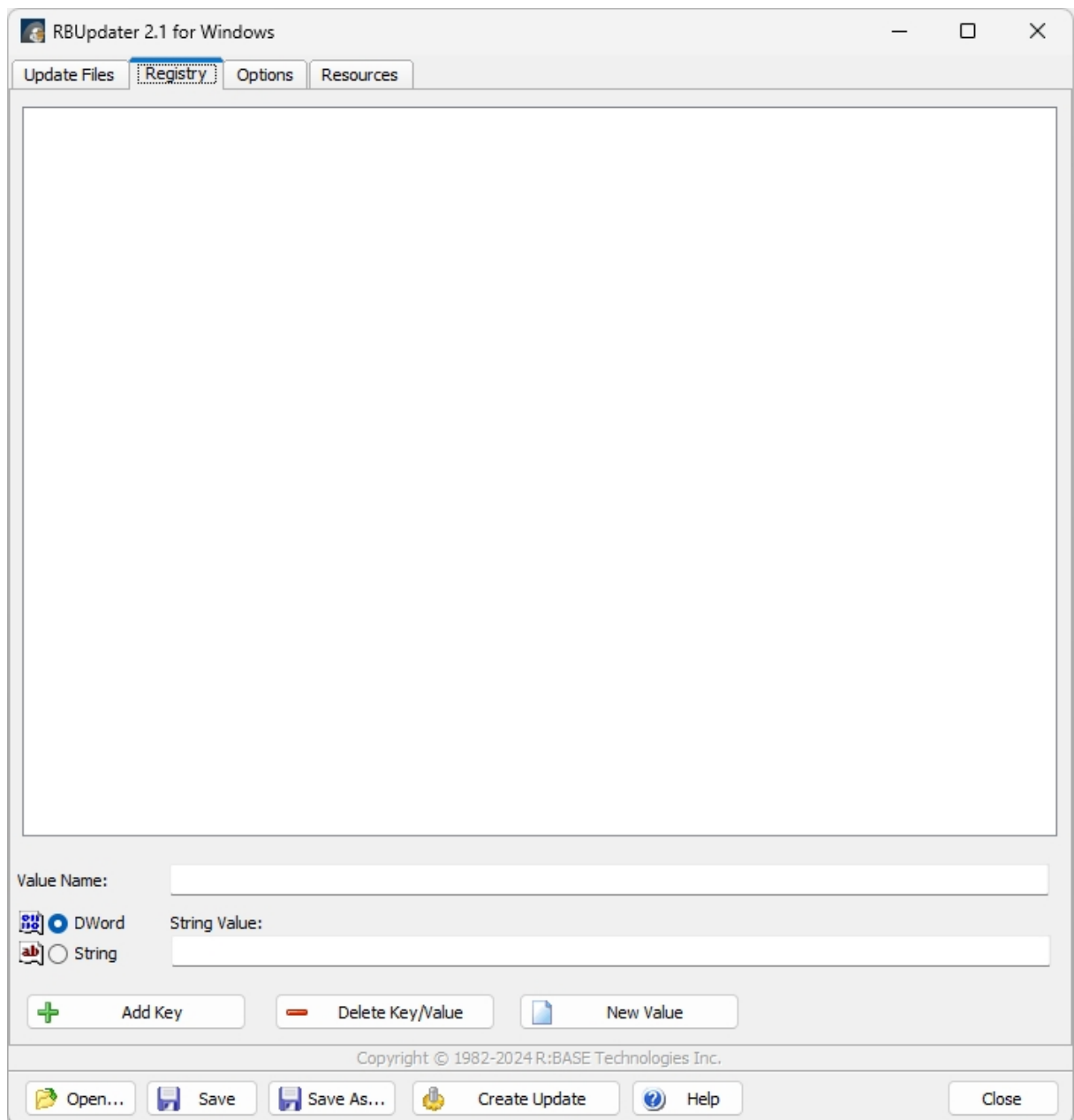
Part VI

6   Options

The "Options" tab allows you to define specific display settings for your updater project.

Allow Browse - enables/disables the "Browse" button on the updater dialog

Allow Server Update - enables/disables different update options for the end user to choose from

- Typical - follows the paths defined within Update Files
- Server - drops all of the update files into a single folder specified by the end user

Add Vista CG Theme - displays the update dialog windows using the Vista CG theme

Show Vertical Line - displays a vertical line between the image on the left and the update options

Use vX Icon - displays the RBGX icon in the end result executable

Use vX.5 Icon - displays the RBGX5 icon in the end result executable

Use RB11 Icon - displays the RBG11 icon in the end result executable

Colors - specifies the background and font color for the main update panel

Default Directory - inserts a default directory location for the product update

Background Color - specifies the background color of the update dialog

Font Color - specifies the font color of the update dialog

Use Password - enables password security for the update package

Welcome Message - displays a welcome popup message before the update dialog appears, with support to change various font settings as well as the background color. Within the Rich Text Editor a "Create RTF Template" button is available to captured the message content. The content can be used with the WELCOME_MESSAGE command parameter.
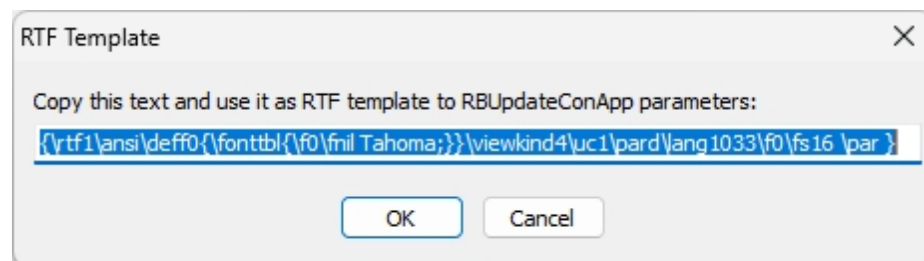
End Message - displays a popup message at the end of the update process, with support to change various font settings as well as the background color

Banner - displays the updater dialog banner, with support to change various font settings. The banner appears in the same space as the Top Image.

What's New - enables the ability for the user to launch a specified "What's New" document covering features supplied in the update.

Update Window Caption - specifies the update dialog window caption

Supported OS - specifies the list of supported operating systems for the update

Part VII

7 Resources

The "Resources" tab allows you to load a Rich Text license and an image that can be displayed during the update process.

Show End User License Agreement
Enabling this check box will allow you to load an RTF file which contains your product license agreement. The license will be displayed before the actual update process. The rich text file must already exist before you load it into your project, and must have the .rtf file extension.

If you want to change the license information already listed, you must use the "Clear" button to clear the contents of the panel, and then select the "Load" button to load in a new license file.

Top Image
The "Top Image" panel allows you to load an image that is displayed across the top of the updater screen. The image file must already exist before you load it into your project, and must have the .bmp file extension.

To load an image, use the "Select Image..." button to browse the contents of your computer. To clear an an image, select the "Clear" button.

Left Image
The "Left Image" panel allows you to load an image that is displayed across the top of the updater screen. The image file must already exist before you load it into your project, and must have the .bmp file extension.

To load an image, use the "Select Image..." button to browse the contents of your computer. To clear an an image, select the "Clear" button.

Notes:

- Two sample images are provided with RBUpdater. To use different images, make sure that the same transparency and dimensions are used.

- When using custom images, integrate the naming convention values "Left" or "Side" for images to be assigned to the left side of the dialog windows, and "Top" for images to be assigned to the top of the dialog window. This will allow you to assign the images to the appropriate dialog location much easier in the screen for update project settings.

Custom Colors
The "Custom Colors" panel will allow you to load and store custom colors for the update package.

Part VIII
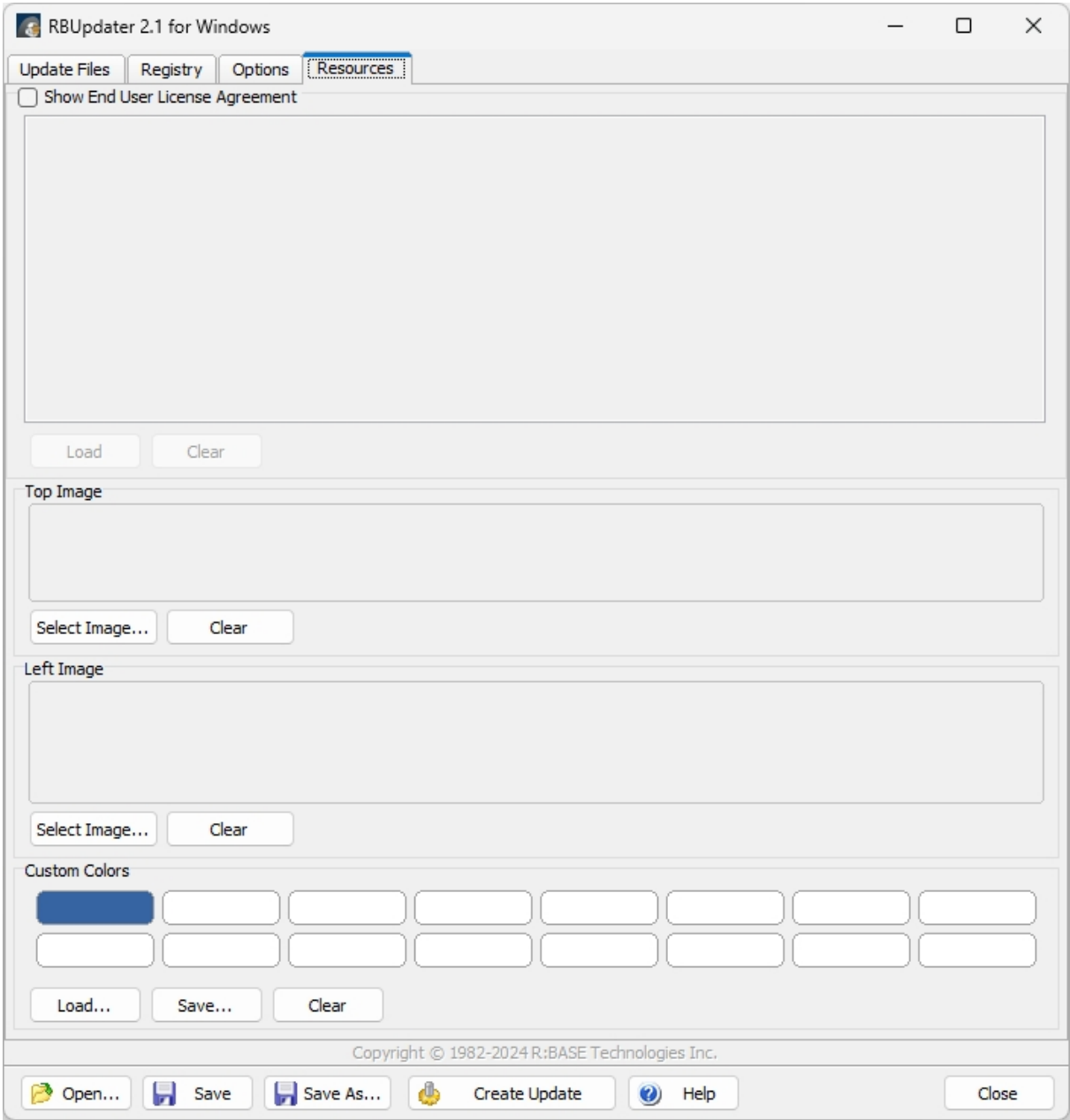
8   Compiling Updates

When compiling updates, each compilation can be saved as a project. This allows you to save the custom settings for future compilations, or to make slight changes, and create separate compilation projects. Multiple projects can be used for different products and different versions of your programs.

After your project files are assigned to your project and all other settings have been configured, compile your installer project by selecting the "Create Update" button.

You will be displayed with a progress display followed by a MD5 checksum for the update created. To locate your update executable, there will be a "Compile" folder containing your Output File Name and a text file containing the same MD5 checksum data. A "Temp" folder will also be created, which is used to stored temporary data during the compile process.

8.1   Saving Projects

After making changes to your existing projects or creating new projects, always save your work. RBUpdater project files are saved with the .rui file extension.

To save any changes you make to an existing project, select the "Save" button from the Tool Bar .

To save any changes you make to an existing project as another project name, select the "Save As..." button from the Tool Bar across the bottom.

8.2   Recompiling

The first step to recompiling your installer executable is to open your saved RBUpdater project file (.rui). You can load your RBUpdater project settings by selecting the "Open" button from the Tool Bar across the bottom.

Confirm the loaded settings. If needed, you may need to load a different project file. To compile the project file, select the "Create Update" button from the Tool Bar across the bottom.

After testing, the executable is ready for distribution.

8.3   Command Line Options

Command line options are available to run the "RBUpdateConApp" executable to automatically compile installer projects from a command line prompt.

Syntax:

```
RBUpdateConApp.exe "-parameter value"
```

Parameters:

Parameter	Description
SCRIPT_NAME	specifies the RBUpdater (.rui) project file
OUTPUT_FILE_NAME	specifies the output file name
PROGRAM_LOCATION_CAPTION	specifies the default program location
PASSWORD	specifies the password for the update file
LICENSE_FILE_NAME	specifies the license.rtf file
WHATS_NEW	specifies the "What's new" file name
BANNER	specifies the banner
WELCOME_MESSAGE	specifies the welcome message. To add hard returns within the welcome message, parameters with +_ will be replaced with CR/LF before any action is performed. Rich text content may also be used.

UPDATE_WINDOW_CAPTION	specifies the "Update Window Caption"
ALLOW_BROWSE	specifies if browse is allowed
ALLOW_SERVER_UPDATE	specifies if server updates are allowed
ADD_VISTA_CG_THEME	specifies is the Vista CG theme is used
MD5	specifies if the MD5 output is generated (ON/OFF)
DATETIME_STAMP	specifies the date and time stamp for installed files

Sample:

```
C:\RBTI\RBUpdater\RBUpdateConApp.exe "-SCRIPT_NAME C:
\RBTI\RBUpdater\Scripts\MyApp8_1_Update_3.rui" "-OUTPUT_FOLDER C:
\RBTI\RBUpdater\Compile\" "-WHATS_NEW C:
\RBTI\RBInstaller\ProjectsAndFiles\MyApp8_1\WhatsNew.pdf" "-
ADD_VISTA_CG_THEME ON" "-OUTPUT_FILE_NAME
MyApp_Update_3_2024_J6D3P3Z8.exe" "-LICENSE_FILE_NAME C:
\RBTI\RBInstaller\ProjectsAndFiles\MyApp8_1\LICENSE.RTF" "-MD5_OUTPUT
ON" "-VERSION 8.1.3.10109" "-DATETIME_STAMP 01/09/2024 08:10 AM" "-
WELCOME_MESSAGE January 09, 2024 +_ +_ MyApp - Update 3"
```

Part

IX

9 Silent Update

The end result update packages allow to be executed as silent updates. From a command prompt/batch file, the silent update method is configurable by specifying a configuration file.

```
UPDATE_FILENAME.EXE -CFG=C:\PathToCFG\UpdateCFGFile.CFG
```

When the –CFG parameter is set, the update file will run in silent mode. The update configuration file contains the answers to the GUI items and prompts.

Usage:

- Remove the semicolon ';' to use an option.
- Set a value to Y or N if an option is to be used.
- The Y character is the default value.

A sample configuration file is list below, and is also included with the RUpdater installation

```
*************************************
* R:BASE Technologies, Inc.
* RBUpdater Software Utility
* Silent Update Configuration File
*************************************

*************************************
* Usage:
* Remove the semicolon ';' to use an option.
* Set a value to Y or N if an option is to be used.
* The Y character is the default value.

*************************************
* The UpdateFolder value will override these settings.
;ReadInstallationInformation=Y/N
;ReadLastExecutedEXEFolder=Y/N

*************************************
* When below values are used, the values above are overridden.
;UpdateFolder=UpdatePath

*************************************
* Specifies the update type
;ServerInstall=Y/N

*************************************
* Specifies file conflict confirmations
;UpdateNewerFiles=Y/N
;SkipUsedFile=Y/N
;ProceedOnCantInstallFile=Y/N

*************************************
* Specifies a password for the update
;Password=********

*************************************
* Specifies a log file for update process
;LogFile=FileName
```

Part X
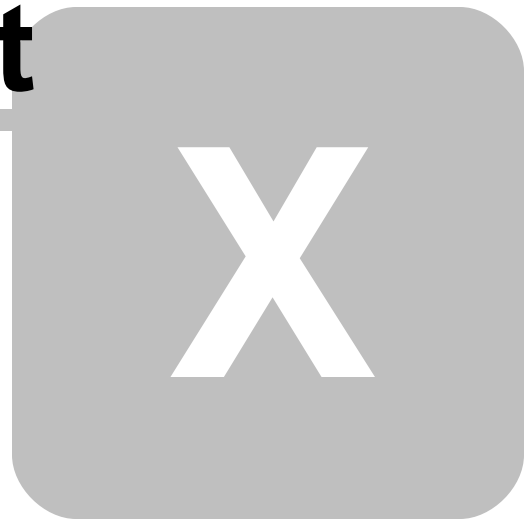
10   Technical Support

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 XI

11 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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