TMS SOFTWARE UpdateBuilder Quick Start Guide



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Using UpdateBuilder

UpdateBuilder is an application that is designed to make building update control files easier. UpdateBuilder can be downloaded from <u>http://www.tmssoftware.com/site/wupdate.asp</u> It is easy to use when building an updateable application. This document is a Quick start guide that explains the most important features of this application.

Files



When starting the application the first tab that is visible is the files tab.

- Add one or more file(s) to the file list that needs to be updated with the add button. The files can easily be removed with the Remove button and with the Add to Cab button multiple files can be compressed in a single CAB file.
- 2) The file list contains a set of files that needs to be updated. When clicking the file, the version, size, and checksum are automatically loaded from the file referenced in the project. The file list can contain single files with no compression, compressed CAB files that can have multiple sub items (indented file list items), and files with _NEW

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extension that will be automatically added to the application components which is needed if the local application needs to be restarted.

- 3) After selecting a file, the filename, target directory, description and local version are extracted from the FileObject. The local version is automatically filled in as the local file is most likely to have the same filename as the new file. By default the target directory is empty, the file will be extracted to the default directory where the local application is running.
- 4) When the update process is started the new file can have a separate verification whether to update the local file or not. This can be based on the File Version, File Size, File CheckSum, or an unconditional update. In the last case the file is always downloaded.
- 5) When uploading large files, or multiple files, a CAB compression can be applied to the files. Select the main file where the update process should be based on and select the CAB file compression. The file is automatically recognized as a CAB file that will be generated in the Build process. More files can be added to the CAB file to simplify the update process by uploading only one file.
- 6) Additional options can be used to restart the application, show messages, what's new files, EULA's, etc... during the update process.

Global Settings - Version

01 2 2	Project1.UBProj* - UpdateBuilder	
Files G	obal Settings Update process Preview Project Logging	
Version	Date Based Update	
Commands	28/08/2009 💌 🔲 11:16:17 💌 Reset to current time	
Application	1) Date format	
Upload		
Custom	 File Based Update 2) 	
Update Description	3)	
	Our Conditional Update	
Current Project : Proj	ject1.UBProj Location : Project Not Saved 11:17:17 UpdateBuilder v0.9.0.0	

By default the update process is unconditionally started, but in most cases it is desirable to have an extra verification whether the application should or should not be updated.

- 1) The verification to start an update process is controlled by the date (and optionally time) of the last update. When this method is chosen, you can set the date and time of the newest update available on the server.
- 2) Choosing a file based update means that the update process is controlled by a compare between a selected file on the local machine and an updated file on the server. Any file that is in the list of available updated files can be chosen as file to compare against but most typically this is the application executable.
- 3) Unconditional update

Global Settings - Commands

01 2 2	Project1.UBProj* - UpdateBuilder	
Files G	obal Settings Update process Preview Project Logging	
Version	(Leave fields blank when not used)	
a	Informational message :	
Commands	Query message :	
Application	Quely message .	
	Show webpage at URL :	
Upload	Show HTML dialog from URL :	
Custom	Run application before :	
Lindeke Description	Run application after :	
Update Description	What's new file :	
	License agreement file :	
Current Project : Proj	ject1.UBProj Location : Project Not Saved 11:17:25 UpdateBuilder v0.9.0.0	

Some extra parameters / information / files that can be uploaded or written in the INF file. When the update process starts, the extra commands are shown.

Global Settings - Application

01 2 2	Project1.UBProj* - UpdateBuilder	
Files G	lobal Settings Update process Preview Project Logging	
Version	Do not prompt for shutdown of application	
	Update application files but do not restart application	
Commands	Application restart command line :	
Application	Application components :	
	(Specify list of files that include parts of the application, ieEXE, .DLL, .OCX files separated by a space)	
Upload		
Custom		
Update Description		
Current Project : Pro	ject1.UBProj Location : Project Not Saved 11:17:33 UpdateBuilder v0.9.0.0	

When the files that need to be updated are in use by the application, for example the executable and some dynamic link libraries, it will be required that the application is stopped before the files can be updated. All such files that require that the application is stopped are considered as "Application components". To mark such file in the list of files of the update, check the Include in Application components option. The filename is automatically added to the Application components line in global settings.

For the application to be restarted, the Application restart command line has to be set to the local application executable. Optional command line parameters can be added here as well.

Some extra parameters can be set whether a dialog is shown to inform before shutting down the application or specify that the application does not need a restart.

Global Settings - Upload

01 2 7	A A S	Project	1.UBProj* - Upd	ateBuilder	
Files G	obal Settings Update proc	cess Preview	Project Loggin	g	
Version	OUNC file based				
	Directory :				
Commands					
Application	FTP / HTTP based Username :				
	Password :				
Upload	Port :				
Custom		21			
	Host :				
Update Description	Directory :	FTP Passive			
	HTTP base URL :	FIP Passive			
	in buse one .				
Current Project : Proj	ject1.UBProj Location : Pro	oject Not Saved	11:17:42 Up	dateBuilder v0.9.0.0	

When building the project the files must be uploaded or copied to the specific folder where the local application will search for the INF file that describes the update process.

You can either choose for a UNC file based upload or an FTP / HTTP based upload.

Global Settings - Custom

01 2 1	4 🖓 🌗	Project	1.UBProj* - UpdateBuilder		
Files GI	obal Settings Update process	Preview	Project Logging		
Version	Validation				
	Message :				
Commands	Parameter :				
Application					
	Processing				
Upload	Message :				
Custom	Parameter :				
	Signature :				
Update Description					
Current Project : Proj	ect1.UBProj Location : Proje	ct Not Saved	11:17:50 UpdateBuilder v0.9.	0.0	

Some extra custom validation parameters that can be set if the application implements the OnCustomValidate and / or OnCustomProcess events.

OnCustomValidate(Sender: TObject; Msg, Param: String; var Allow: Boolean);

Event triggered for custom validation of parameters from the update control file. This can be used for example for custom licensing control and disallowing updates to happen for products where the free update period has expired. This event is only triggered when custom validation information is available in the control file.

OnCustomProcess(Sender: TObject; Msg, Param: String);

Event triggered when custom update processing info is present in the control file.

This signature value is compared against the TWebUpdate.Signature property when TWebUpdate.SignatureCheck is true. This can be used to check the integrity of the control file. When an incorrect signature is encountered, the OnStatus update is triggered with error parameter ErrUpdateSignatureError.

Global Settings - Update Description

01 2 2	Project1.UBProj* - UpdateBuilder	<u> </u>
	obal Settings Update process Preview Project Logging	
Version	Update description	
Commands		
Application		
Upload		
Custom		
Update Description		
Current Project : Proj	ject1.UBProj Location : Project Not Saved 11:17:59 UpdateBuilder v0.9.0.0	

The Update description can be a version history of the new application.

Generated INF file

25				Project1	.UBProj* - UpdateBuilder	
9	Files	Global Setting	gs Update process	Preview	Project Logging	
Generat	ted .INF fi	le				
[files] count= [file1] url=bd localve	ditional=1 =1					

Before building the project, go to the Preview tab, where the INF file is generated for verification purposes.

Update Process

Project1.UBProj* - UpdateBuilder	
Files Global Settings Update process Preview Project Logging	
Build Project Cancel Build	
Building Project Initialize Build Complete Updating final INF file Updating INF file complete Adding INF file : \\tms\TMS\Pieter\temp\\Project1.INF to Update List Compressing file : C:\Program Files\Embarcadero\RAD Studio\7.0\bin\bds.CAB	•
Current Progress:	
File Source: Single File[C:\Program Files\Embarcadero\RAD Studio\7.0\bin\bds.exe]	
File Destination: C:\Program Files\Embarcadero\RAD Studio\7.0\bin\bds.CAB	
File Progress: 2,25 MB / 4,07 MB	
Project Status: V Project Running	
Total Progress:	
35%	
Current Project : Project1.UBProj Location : Project Not Saved 11:18:11 UpdateBuilder v0.9.0.0	

After finishing creating the update file, setting all properties and adding all necessary files, the update process can be started. Click the Build Project button to start the process. UpdateBuilder will automatically verify if all needed parameters are correct to start the build process. If errors occur during build process, a message is shown and the ability to show the log file will be given.

The Project logging tab keeps record of the most important actions during the project creation and build process

Files Project log file	Global Settings	Update process		UBProj* - Update Project Logging	Builder		
Înformational [Informational] [Informational]	message] [28/08/20 message] [28/	009 11: 17:00] : Adding 009 11: 17:00] : Updatin 009 11: 17:01] : Updatin 009 11: 17:01] : Updatin 009 11: 18:10] : Building 009 11: 18:10] : Verifyin 009 11: 18:10] : Updatin 009 11: 18:10] : Updatin 009 11: 18:10] : Updatin 009 11: 18:10] : Adding 009 11: 18:10] : Compre 009 11: 18:13] : Compre	g New Projec g Controls gg INF file gg File to Pro- new file : C: gg File to Pro- gg Project to g INF file Project g Valid INF file gg final INF file gg final INF file gg final INF file sssing file cor file : (\tr sssing file arget file Pro-	ct : Project1.UBPro ject : C:\Program F \Program Files\Emb ject : C:\Program F file : C:\Program F lete le complete ms\TMS\Pieter\tem : C:\Program Files\ mpleted : C:\Progra ram Files\Embarca	, iles\Embarcadero\RAI arcadero\RAD Studio iles\Embarcadero\RAI les\Embarcadero\RAD p\\Project1.INF to Up Embarcadero\RAD St. am Files\Embarcadero	D Studio\7.0\bin\bds.exe D Studio\7.0\bin\bds.exe D Studio\7.0\bin\bds.exe	
Current Project :	Project1.UBProj	Location : Project N	ot Saved	11:18:35 Upda	teBuilder v0.9.0.0		

When no errors are found, and the build process is started, the CAB-files will be automatically generated and the files will be transferred to the correct UNC directory / FTP or HTTP location.

A cancel build button is active during the Build process and allows the user to cancel the process at any time.

UpdateBuilder - Console Application

UpdateBuilder is designed to quickly load and compile UpdateBuilder Projects and therefore has built-in support to compile Projects from command line.

Run "UpdateBuilder.exe /?" to show the parameters needed to compile and build the project.

Microsoft Windows [Version 5.2.3790] (C) Copyright 1985-2003 Microsoft Corp.
C:\Documents and Settings\Administrator>cd C:\Delphi2009\Projects\UpdateBuilder
C:\Delphi2009\Projects\UpdateBuilder>UpdateBuilder /?
C:\Delphi2009\Projects\UpdateBuilder>
UpdateBuilder TMSSOFTWARE.COM - 2009
Command line parameters: /? : Show Help /C"[UpdateBuilder project file (.UBProj extension)]" : Compile project file /O"[UpdateBuilder project file (.UBProj extension)]" : Open project file -

UpdateBuilder - FinalBuilder support

Installation

UpdateBuilder is designed to quickly update your application with the latest version, therefore we have created a FinalBuilder plugin that allows you to integrate UpdateBuilder project compilation within FinalBuilder.

When installing UpdateBuilder an "UpdateBuilder.fbap" file copied in the installation folder. To use this plugin, copy the "UpdateBuilder.fbap" file to the ActionDefs folder where FinalBuilder is installed.

By default the path looks like:

*:\Program Files\FinalBuilder *\ActionDefs

Note: If FinalBuilder is running, FinalBuilder must be restarted before the new plugin is loaded.

<u>Use</u>

To add a new "Compile UpdateBuilder Action" search for the keywords "Compile, Update, UpdateBuilder or Builder" in the FinalBuilder action list search field, or find the UpdateBuilder action in the "Compilers" category.

Categories
🚝 Frequently Used
🔄 .Net Tools
🛅 Archivers
🚞 Build Tools
🚞 CD/DVD Burning
📴 COM+
🔁 Compilers
🚞 Custom Action Examples
CVS
🛅 Database
🚞 Disk Management
🚞 Executable Packers
🛅 File Sets
🔚 Files & Directories एम् ।णादrosort U# Compiler
🛄 🛱 Borland C# Builder Compiler
Tompile VB6 Project
🚡 Compile Delphi Win32 Project
The compile Borland Resource Script
🖉 BPG File Iterator
👹 Compile C++Builder Project
쭱 C++Builder 2006/7/8 Project
📩 madExcept
🧭 Build VC6/Embedded Project(s)
🧭 Build VS.Net Solution
👼 Win32 Version Info Updater
🧭 VS.NET Solution Iterator
Chrome
🚞 Compile Delphi for .NET Project
🕙 Compile UpdateBuilder Project

Select the "Compile UpdateBuilder Project" action and press enter or drag-drop the action in the main listview.

🦾 🕙 Compile UpdateBuilder Project [C:\Delphi2009\Projects\UpdateBuilder\Project files\Large.UBProj]

Double-click or right-click -> Edit properties to show the UpdateBuilder options dialog

General Runtime Build Project and EXE			
8 Build Project and EXE			
Project Name:	C:\Delphi2009\Projects\UpdateBuilder\Project files\Large.UBProj		
Build Exe:	C:\Delphi2009\Projects\UpdateBuilder\UpdateBuilder.exe		
	(Only in case UpdateBuilder is not installed trough setup)		

Select the Project in the first Field that needs to be compiled

The second field is automatically filled in if an UpdateBuilder installation is found, therefore it is advised to install UpdateBuilder with the original signed setup.exe.

When the FinalBuilder project is running, UpdateBuilder will automatically load and compile the project.

🕜 Quick Help	Build Log bod Watches Script Editor	-
Vive Log View	🖞 Show Full Log 🏽 👰 Show all Error Actions 🖓 Show Ignored Errors 🚠 Show In Context Search:	🔎 🔎 🖃 Log Options
Message		
🖃 🕨 UpdateBuilder	fbz6	
🖮 📤 Main		
🛓 👏 Compile	e UpdateBuilder Project [C:\Delphi2009\Projects\UpdateBuilder\Project files\Large.UBProj]	
	ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [96 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [122 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [192 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [192 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [192 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [224 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [256 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [256 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [256 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [268 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS.exe]] To [C:\Downloads\SaveAsPDFandXPS.CAB] Progress : [208 KB / 933.93 KB] ngle File[C:\Downloads\SaveAsPDFandXPS]]]]]]]