

Global Script Functions

Global Scripting Functions

Apart from standard VBScript/JavaScript/PowerShell functions, FinalBuilder exposes the following global functions:

Method Call	Example	Description
<pre>procedure SaveProject;</pre>	<pre>SaveProject;</pre>	Saves the current FinalBuilder project.
<pre>function ExtractFilePath (filename : string) : string;</pre>	<pre>var path = ExtractFilePath('C: \\Temp\\TextFile.txt'); // path == 'C: \\Temp\\'</pre>	Extracts the path (minus the filename) from a fully qualified filename. The trailing backslash will be included in the returned string.
<pre>function ExtractFilename (filename : string) : string;</pre>	<pre>var filename = ExtractFilename('C: \\Temp\\TextFile.txt'); // filename == 'TextFile.txt'</pre>	Extracts the filename (minus the path) from a fully qualified filename.
<pre>function ExtractFileDrive (filename : string) : string;</pre>	<pre>var drive = ExtractFileDrive('C: \\Temp\\TextFile.txt'); // drive == 'C:'</pre>	Extracts the filename drive letter. No trailing backslash is included in the returned string.
<pre>function ExtractFileExt (filename : string) : string;</pre>	<pre>var ext = ExtractFileExt('C: \\Temp\\TextFile.txt'); // ext == '. txt'</pre>	Extracts the file extension including the period.
<pre>function ExpandUNCFilename (filename: string) : string;</pre>	<pre>var unc = ExpandUNCFilename('C: \\Temp\\TextFile.txt'); // unc == '\\Server\\Temp\\TextFile.txt'</pre>	Expands any pathname to either the fully qualified UNC pathname.
<pre>procedure FBSetCaption (value : string);</pre>	<pre>FBSetCaption('Compiler Running...');</pre>	Sets the titlebar caption for FinalBuilder FBSetCaption does nothing when FinalBuilder is run from the scheduler.
<pre>function GetClipboardText : string;</pre>	<pre>var clipText = GetClipboardText;</pre>	Gets the text currently on the clipboard. GetClipboardText does nothing when FinalBuilder is run from the scheduler.
<pre>procedure CopyToClipboard (const clipText : string)</pre>	<pre>CopyToClipboard(clipText);</pre>	Copies the string to the clipboard. CopyToClipboard does nothing when FinalBuilder is run from the scheduler.
<pre>function FBFormatDateTime (format : string; datetime : DateTime) : string;</pre>	<pre>var formattedDate = FBFormatDateTime ('dd-mm-yyyy', FBVariables.Today); // formattedDate == '25-02-2015'</pre>	Formats the specified DateTime as a string. See DateTime Format Strings
<pre>function StrToDate(date : string) : DateTime;</pre>	<pre>var fridaysDate = StrToDate('25/02 /2015'); // fridaysDate == 42060</pre>	<p>Converts a string into a Date.</p> <p>The default format in the UK is day/month/year, where: The day must be 1..31 (depending on month/year) The month must be 1..12 The year must be 0..9999 (optional)</p>
<pre>function StrToDateTime (datetime: string) : DateTime;</pre>	<pre>var fridaysDateTime = StrToDateTime('25 /02/2015 8:31:23');</pre>	<p>Converts a string into a DateTime.</p> <p>The default format in the UK is day/month/year hour:minute:second.msec, where:</p> <p>The day must be 1..31 (depending on month/year) The month must be 1..12 The year must be 0..9999 (optional) The hour must be 0..23 The minute must be 0..59 (optional) The second must be 0..59 (optional) The milli-sec must be 0..999 (optional)</p>
<pre>function ChangeFileExt (filename : string; newext : string) : string;</pre>	<pre>var file = ChangeFileExt('C: \\Temp\\TextFile.txt', ".doc"); // file == 'C:\\Temp\\TextFile.doc'</pre>	Changes the file extension of filename to the specified new extension.

function IncludeTrailingPathDelimiter(text : string) : string;	var path = IncludeTrailingPathDelimiter('C:\\Temp'); // path == 'C:\Temp\'	Appends a trailing path delimiter to the specified directory if required.
function ExcludeTrailingPathDelimiter(text : string) : string;	var path = ExcludeTrailingPathDelimiter('C:\\Temp\\'); // path == 'C:\Temp'	Removes a trailing path delimiter from the specified directory if it exists.
function ExpandFilename(shortFilename : string) : string;	var path = ExpandFilename('C:\\Progra~1\\TextFile.txt'); // path == 'C:\Program Files\TextFile.txt'	Expands the short filename and path to the full filename/path
function FileExists(filename : string) : boolean;	var exists = FileExists('C:\\Temp\\TextFile.txt'); // exists == true	Returns true if the specified file exists
function GetCurrentDir : string;	var currDir = GetCurrentDir; // currDir == 'C:\Temp\'	Returns the current working directory
function SetCurrentDir(dir : string) : boolean;	SetCurrentDir('C:\\Temp\\');	Set the current working directory
function ExpandRelativePath(filepath : string; relativeto : string) : string;	var path = ExpandRelativePath('..\\TextFile.txt', 'C:\\Temp\\Depth1\\') // path == 'C:\Temp\TextFile.txt'	Returns the full path and filename of the file specified with the relative path.
function NewGUIDString : string;	var guid = NewGUIDString; // guid == '{CB938C2E-C805-47CF-8935-5AFC85640A9}'	Creates a new GUID (Globally Unique Identifier). The identifier will be in the format {XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXXX}.
function ExtractMajorVer(major : string) : string;	var major = ExtractMajorVer('3.0.23.1'); // major == '3'	Extracts the Major Version value from a version string.
function ExtractMinorVer(minor : string) : string;	var minor = ExtractMinorVer('3.0.23.1'); // minor == '0'	Extracts the Minor Version value from a version string.
function ExtractReleaseVer(release : string) : string;	var release = ExtractReleaseVer('3.0.23.1'); // release == '23'	Extracts the Release Version value from a version string.
function ExtractBuildVer(build : string) : string;	var build = ExtractMajorVer('3.0.23.1'); // build == '1'	Extracts the Build Version value from a version string.
function MessageBox(text : string; title : string; style : integer) : integer;	var msgResult = MessageBox('Do you want to cancel the build', 'Cancel Build', mbOKCancel); // msgResult == mrOK	Displays a message box to the user. See MessageBox Constants .
procedure Alert(message : string);	Alert('Click OK when ready to proceed.');	Displays an alert dialog to the user.
function EncryptString(text : String) : String;	var encryptedText = ExcryptString('password');	See DecryptString
function DecryptString(encodedText : String) : String;	var decryptedText = DecryptedString(encryptedText);	Two functions to scramble and descramble passwords, etc. (ie for storage in project files.). Uses blowfish with a hardcoded key. Not to be considered secure.
procedure SetEstimatedProgressTotal(progress : Integer);	var SetEstimatedProgressTotal(251);	Use to set the estimated total number of actions (for the Build Summary estimated progress bar.). See Estimated Progress for an example script.