

# ibec\_DecompressFile

## Description

This function allows you to extract files from archives from files compressed using the [ibec\\_CompressFile](#) function.

Archives currently supported by ibec\_DecompressFile function include the following formats:

ZIP, ZIP SFX, ZOO, ZOO SFX, RAR, ARJ, ARJ SFX, ARC, ARC SFX, ACE, CAB, HA, JAR (JavaSoft java format), LHA, LHA SFX, LZH, LZH SFX, PAK, PAK SFX, TAR, GZIP, Z, BH, BH SFX.

## Syntax

```
function ibec_DecompressFile(ArcName : string; FileSpec : string;
ExcludeFileSpec : string;
                                TargetDir : string; Options : string;
CallbackBlock : string) : variant;
```

ibec\_DecompressFile returns the number of extracted files if there were no errors. Otherwise it returns NULL.

## Parameters

ArcName	Defines the file name of the archive from which to extract files.
FileSpec	See description of corresponding parameter for <a href="#">ibec_CompressFile</a> .
ExcludeFileSpec	See description of corresponding parameter for <a href="#">ibec_CompressFile</a> .
TargetDir	Defines the directory in which the files from an archive are to be extracted. If this parameter does not contain a blank <a href="#">string</a> , then the UseStoredDirs option is automatically set to False. To extract files into original directories, this property must be blank and the UseStoredDirs option set to True.
Options	List of additional options, which must be separated with semicolon. Possible options are: Password, UseStoredDirs, DateAttribute, RecurseDirs, onfirmOverwrites, OverwriteMode, RestoreFileAttributes. See detailed description of each option below.
CallbackBlock	A call-back <a href="#">EXECUTE IBEBLOCK</a> [IBEBlock]] which will be executed for some events during the decompression process. The call-back IBEBlock must have at least one input parameter, which will be used to pass <a href="#">array</a> of <a href="#">event</a> values. If there is no call-back block use NULL or an empty string as a value of this parameter.

## Description of possible options

Password= <password>	Use the password option to add encrypted files to a ZIP and BlackHole archives or extract encrypted files from ones. If the value of this property is not blank, the value will be used as the password for encryption/decryption.
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<b>Password= &lt;password&gt;</b>	<b>Use the password option to add encrypted files to a ZIP and BlackHole archives or extract encrypted files from ones. If the value of this property is not blank, the value will be used as the password for encryption/decryption.</b>
DateAttribute= FileDate - SysDate - MaxFileDate	Use this option to define a file's date when extracted to disk. Use this property to define a file's <a href="#">date</a> to be stored into an archive. Possible values:
* FileDate - set the extracted file's date using the date stored in the archive; store the date using the disk file's date being compressed.	* FileDate - set the extracted file's date using the date stored in the archive; store the date using the disk file's date being compressed.
* SysDate - set the extracted file's date using the systems date/time; store the date using the current system's date.	* SysDate - set the extracted file's date using the systems date/time; store the date using the current system's date.
* MaxFileDate - set the extracted file's date using the date from the newest file in the archive; store the date using the newest file's date matching FileSpec.	* MaxFileDate - set the extracted file's date using the date from the newest file in the archive; store the date using the newest file's date matching FileSpec.
RecurseDirs	TRUE - FALSE - Use this option to recurse sub-directories for files matching the FileSpec parameter. The <a href="#">default</a> value is False.
OverwriteMode	Skip - Overwrite - Use the OverwriteMode property to either skip or overwrite files that already exist on disk. The default value is Skip.
ConfirmOverwrites	TRUE - FALSE - The ConfirmOverwrites option is directly related to the OverwriteMode option. The default value is False. This option is reserved for future use, please don't change it yet!
RestoreFileAttributes	TRUE - FALSE - When True, this sets an extracted file's attribute to the setting stored in the compressed header for that file. The default value is True.
UseStoredDirs	TRUE - FALSE - When set to False, this uses the current directory to extract files into, if the TargetDir property is blank. When set to True, the default is the current directory information existing in regard to the internal compressed file. The default value is False.

## Example

```
execute ibeblock
as
begin
  cbb = 'execute ibeblock (Vals variant)
        as
        begin
          EventName = Vals[''EVENT''];
          Action = Vals[''ACTION''];
          File name = Vals[''FILE NAME''];
          if (Action = ''COMPRESS'') then
            sPref = ''Adding '' ;
          else
            sPref = ''Extracting '' ;
```

```
        if (EventName = 'FILEBEGIN') then
            ibec_Progress(sPref + File name + '...');
        else if (EventName = 'PROGRESS') then
            begin
                iBytes = Vals['BYFILE'];
                if (ibec_Mod(iBytes, 5) = 0) then
                    ibec_Progress(sPref + File name + '... ' +
ibec_Cast(iBytes, __typeString) +

                    '%');
                end;
            end;
            ibec_DecodeDate(ibec_Now(), iYear, iMonth, iDay);
            ArcName = 'E:\IBE_' + ibec_Cast(iYear, __typeString) + '_' +
ibec_Cast(iMonth, __typeString)

+
            '_' + ibec_Cast(iDay, __typeString) + '.zip';
            if (ibec_FileExists(ArcName)) then
                begin
                    ibec_ShowMessage('Nothing to do.');
```

Exit;

end;

-- Decompressing

FileSpec = '.\*';

ibec\_ForceDirectories('E:\TestDecompress\');

MyVar = ibec\_DecompressFile(ArcName, FileSpec, '',

'E:\TestDecompress\', '', cbb);

end;

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