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## 1 Getting Started

# gFileFind

## FAST SEARCH UTILITY

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**Thank you for your purchase!**  
**Please review this area FIRST before attempting to use this product.**

### Requirements

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- Clarion 6.0, 6.1, 6.2, 6.3. Pure source code in .inc and .clw files.
- ABC or Legacy (NOTE: Example application uses ABC, but utility source and template will work with both).

### Installation

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- Unzip the distribution file and run setup.
- You will be prompted for your maintenance code. This code will work for the major version you have purchased. A new code will be required for every major release (1.0, 2.0, 3.0, etc).
- Your clarion version will be detected (**Vista NOTE: Because of the security features, you might have to select your Clarion directory by hand - usually c:\clarion6**)
- Select where to install this. This is your Clarion ROOT directory. Utility will be installed to the 3rdparty subdirectory of your root directory..
- The install will copy over several files...
  - Template to c:\Clarion6\3rdparty\template
  - Any Lib to c:\Clarion6\3rdparty\lib
  - Any images to c:\Clarion6\3rdparty\images
  - Source code to c:\Clarion6\3rdparty\Wingnut\gFF along with any needed support files.
- You will be prompted to update your RED file. It is HIGHLY suggested that this is done. If you do not do this, you may have problems registering the templates and/or compiling.
- You will be prompted to automatically register the template. It is suggested that you let the install do this for you.

### Manually Register the Template (optional)

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- [Optional - only if you did not let the installer register the template] Register the template by running Clarion, click Setup|Template Registry|Register and browse for the c:\Clarion6\3rdparty\template\gff.tpl.

### Test the example application

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An example application is included. Open up the file gffexample.app. Build and run this to verify that the utility has been setup correctly. This example is exactly the gFileFind standalone search utility.

## **Add the global template and any additional extension/code/control templates to your procedures**

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- Every gff-enabled application and dll must have the global template applied. See the next section on how to use the templates.
- To add the global template - click Global Properties..Extensions..Insert and Select the gFF gFileFind - GLOBAL.

### **Where to look next...**

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For templates look under Templates. Typically you first add the global template, then add the code template as appropriate.

For direct use look under Functions.

## **2 Using Standalone Search Utility**

### **Standalone Search Utility**

**The standalone search utility (called "QuickSearch") has it's own helpfile.**

Please review that help file for information on QuickSearch

## **3 Templates**

### **3.1 G-FF - GLOBAL**

#### **G-FF - GLOBAL**

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This template must be added to all your apps. Add via Global Properties|Extensions|Insert.

#### **About Page**



This template, once added, brings in the source code files needed for the project. It also adds the ASCII driver and DOS Driver if needed.

This template declares two global structures:

**WNS\_gffQueue:** This is the result queue of all the searches. All the results are stored here.

**WNS\_gffGlobal:** This is the global settings group. Before you call the wns\_gff function, you must setup the various options in here.

**NOTE:** The code template, by default, will use the global structure names listed above. You can change these as needed and declare local variations for each procedure. If you are going to run more than one search at a time, it is advised to define these locally, as the global queue is not thread-safe.

For more details of these structures, see the [Functions](#) topic.

## 3.2 G-FF - Call gFileFind

### G-FF - Call gFileFind

The code template is a code template that may be placed on any embed. It calls the wns\_gff function.

#### Settings

**Run Silent:** Prevents the status display window from appearing. This also allows you to use your own status window or run the function under a background thread.

**Queue To Use:** The name of the queue to use. Defaults to the global queue already defined.

**Settings To Use:** The name of the settings group to use. Since there are MANY settings that can be setup, a group is used instead of individual parameters. **NOTE:** You will need to set these settings before this code embed. See the [Functions](#) topic for more details.

**Before, If Error, No Error:** Code blocks to call. It is suggested that you set these up as "DO <routine>" and use routines. The function also sets up the return result into gffReturn# implicit variable.

## 4 How To...

See the [Functions](#) topic for more information.

## 5 Functions

### Functions

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There is one global function that you may call anywhere to bring run the search.

```
wns_gff PROCEDURE(TWNS_gffQueue,TWNS_gffGlobal),BYTE,PROC
```

**TWNS\_gffQueue** is a result queue type and is defined in wns\_gff.inc. Note: The queue can also be used for input - some search options allow for "drilling-down" into a subset of the results.

```
TWNS_gffQueue      QUEUE,TYPE
Name               STRING(256)      ! Long filename
ShortName          STRING(13)     ! Short filename
Date              LONG           ! Date
Time              LONG           ! Time
Size              LONG           ! Size
Attrib            BYTE           ! Attrib - Mask -See DIRECTORY()
under Clarion Help
Flag              BYTE           ! Internal Use
Icon              LONG           ! For example application
Type              STRING(3)       ! 3-char file extension
Path              STRING(1000)    ! Path of file
ID                LONG           ! Internal Use
CRC               ULONG          ! CRC of file
Sort              STRING(256)    ! Internal -Uppercase of file name
used for sorting
                  END
```

**TWNS\_gffGlobal** is a settings group type. Just before you call the function, you need to setup the options below.

gffPath	The location where to search. (See gffOption below) "CDF" = Search the C, D and F drives. "C:\WINDOWS" = Search the WINDOWS folder in the C drive. " " = Check all drives and folders in your pc.
gffExtension	The file name or extension to search for. Multiple files / extensions can be entered by separating them with a comma. "*.*.txt,*.doc" = Search for all TXT and DOC files "readme.txt" = Search for all files named README.TXT "*.*" = Search for all files
gffSearch	The text to search for or leave blank to omit text search. Also can be applied once a search is complete to further refine the results. AND & OR tokens can be used to do multi string search, this is limited to one instance per search, additional strings can be applied to the current list. The token for AND is '[+]' and for OR '[-]', with our the single quote.
gffOption	The location options available to execute the search: 1. All drives and folders. This will search all drives if the location is left blank, or will search the listed drives. 2. Listed folder and subfolders. This option limits the search to the selected folder and subfolders. Location must have a valid folder. 3. Listed folder only. This option limits the search to the listed folder only. Location must have a valid folder.
gffOutput	Send current queue to output - does not perform search. Additionally you can select the output to either the printer (1) or an ASCII file (2). Printer sends the output to the default printer. File output sends the output to a file in the current path() with the extension .txt, starting with 'fl', and containing the Clarion date and time numbers. Future releases will make this area more flexible.
gffSort	The following are the available sort options or you can sort the queue yourself after it is returned by the function. (See gffSame and gffClear). 11 = + Name 12 = - Name 21 = + Path + Name 22 = - Path - Name 31 = + Date + Time + Name 32 = - Date - Time - Name 41 = + Size + Name 42 = - Size - Name 51 = + Type + Name 52 = - Type - Name
gffAllDrives	Set this to (1) to search ALL Drives (A-Z) if they are available. gffOption is ignored.
gffCaseSensitive	Set this to (1) for a case-sensitive search (only for text searches within files).
gffSubFolders	Set this to (1) to search sub-folders
gffDateFrom	Clarion Date - From - Inclusive for files modified.
gffDateTo	Clarion Date - To - Inclusive for files modified.
gffSizeFrom	Size from - inclusive of actual file size.
gffSizeTo	Size to - inclusive of actual file size.
gffHIDDEN	Set to (1) to include hidden folders.
gffSYSTEM	Set to (1) to include system folders.
gffCRC32	Set to (1) to generate CRC32 values for each file.
gffClear	Set to (1) to NOT clear the queue upon entry (to search/add to existing queue)
gffSame	Set to (1) to search the queue only (to drill-down).

### Using Custom Status Windows:

As we make further releases, we will make this more robust. For now to use your own custom window...

- Manually code a window definition (or copy/paste from the window formatter). Include at least three controls with three use variables (two strings and a long). The two strings should be string controls. The long should be a progress control.
- Before calling the function, open your custom window.
- Set the gffTime to the update time.
- Set gffSilent to 1.
- Set the gffCustom... settings to your variables USE'd on the custom window.
- Call the search function.
- Close the window.

NOTE: The reference variables are automatically cleared to NULL when the function returns, so they will need to be re-assigned before calling again. Also, if you do not wish to populate all the controls, do not set the gffCustom... variables or set them to NULL.

## 6 FAQ

### FAQ - Frequently Asked Questions

We will update this as needed.

## 7 Distribution

### Distribution

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The source code is included, you are free to build it as you see fit.

NOTE: You may ONLY use the source code for your own personal use in your applications. Modifying the source code and re-distributing/re-selling it is in violation of the license agreement.

## 8 Tech Support

### Tech Support

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### WE STAND BY OUR UTILITIES!

Tech support is provided directly at our forums at <http://support.wingnutsolutions.com>.

We prefer that you use the forum primarily for support. This is so other users can easily see and use any replies we may make. Support is also only available for the current released version, so please make sure you have the latest update before contacting us.

Of course, if you wish to contact us privately - use the contact us link at <http://www.wingnutsolutions.com>.

Due to the cost of these utilities, phone support is not available unless negotiated beforehand through email.

Support is also not provided if you have customized the code from the released version. [ If you find and correct a defect - contact us and let us know! We'll make sure it gets included! ]

## 9 Version History Source

### **New in 2.2**

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- Issue with text searches over 255 byte boundary resolved.
- Added DISPLAY(gffPath) to File lookup accepted embed.
- Performance enhancements (thanks to Geoff Robinson)
- Fixed an issue with ?Image1 control and silent mode.

### **New in 2.1**

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- Changed some help file contents
- Updated example with fixes from standalone utility
- Updated example - alert shift-q removed
- Clean up of code a bit
- Created separator option - can now change the file separator
- Ignores spaces now between multiple file extensions
- Duplicate symbol errors - 9058/cwHH template/local compile - cwHH template removed from example
- Issues with CRC32 generation fixed.
- (Many thanks to Ben Brady for catching some of the items above)

### **New in 2.0**

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- Wingnut branding changes.
- Move all source from a separate DLL/LIB app to INC/CLW files.
- Adjusted template to work with INC/CLW files and add appropriate DOS/ASCII drivers.
- Moved global variables into a group.
- Changed function name to allow for passing of queue and settings.
- Queue and settings structures can now be set from the code template - to allow for local result queue/settings.
- Changed Icon names for better uniqueness.

- Added reference variables for using custom progress windows.
- Modified application to use local variables instead of global - for easier importing of procedures.
- Moved options from separate window to main window.
- Added several confirmation dialogs to the application.
- Added MaxDisplay parameter to setup max display of filenames during search.
- Changed rename dialog to show current filename.

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