**GFE\_module\_installer.sh**

Script to automate installing files into GFE

Version 2.0 (AWIPS 2)  
  
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*Last updated July 15, 2011*

**Description:**

The program GFE\_module\_installer.sh is a wrapper script for the GFE program ifpServerText. It is used to install Procedure, Tool, Utility, formatter, etc. files into GFE. The script also strips Windows carriage returns from the files before installing.  The script defaults to install all GFE type files in the current directory as SITE but command line arguments can be used override the defaults.

The main reason for this script is to make it easy to install GFE files if they are name properly. If the method to run ifpServerText changes, then only this script needs to be changed, not everyone's GFE tool install instructions.

The script requires that the GFE files to be installed must be named:  
  
***name.class***   
  
where ***name*** is the name of the module in GFE and used as the -n argument to ifpServerText. Similarly, ***class*** must be the class as used in the -c option to ifpServerText.  Files with extensions other than those that match ifpServerText classes will not be installed.

**Installation**

Get the application from the NCLADT repository:

cd /localapps/dev/<:wherever you want to put it>

svn checkout https://collaborate.nws.noaa.gov/svn/ncladt/ladroot/gfe/apps/GFE\_module\_installer/tags/latest\_stable GFE\_module\_installer

It is recommended to install GFE\_module\_installer.sh in /localapps/runtine/bin. When installing, change the line where XXX="" to initialize this variable to your site ID. This way you will not have to use the -o XXX arguments on the command line to install files for your site's GFE.

**Usage:**

GFE\_module\_installer.sh -o XXX  
 GFE\_module\_installer.sh -o XXX [-u GFE-user] [-f file]  
 GFE\_module\_installer.sh -o XXX [-u GFE-user] [-d source-directory]  
 GFE\_module\_installer.sh -h

The -o XXX argument is the site to install the files to where XXX is the GFE site identified in upper case. If no arguments are supplied other than the required -o XXX, installs all files named ***name.class*** in the current directory into GFE as user SITE.

* **-u GFE-user** - Use this option to install files as a GFE user other than SITE.
* **-f file** - Use this option to install a single file. This is normally used when only one of several files in a directory needs to be installed.
* **-d source-directory** - Use this option to install files from a specific directory. Defaults to the current directory if -d is not supplied.
* **-h** - Print usage information.

**Why use this script?**

The main reason for this script is to eliminate cut and paste of GFE modules in the GFE interface and long command lines for ifpServerText.

For example, lets say an application contains a procedure and a SmartTool that need to be installed at the same time. An ls -l of directory Haines\_HiMidLow would show something like:

-rw-r--r-- 1 awipsusr fxalpha 4668 Jul 16 15:49 Haines\_HiMidLow.Procedure

-rw-r--r-- 1 awipsusr fxalpha 6240 Jul 16 15:49 Haines\_Index.Tool

So the install instructions for Haines\_HiMidLow would just be:

1. svn export ... Haines\_HiMidLow
2. cd Haines\_HiMidLow
3. GFE\_module\_installer.sh

To use GFE\_module\_installer.sh with GFE modules from the NCLADT repository that are not in this format, just rename the files to be installed with the ***name.class*** convention.