**convertEditAreas[¶](https://collaborate.nws.noaa.gov/trac/ncladt/wiki/AppConvertEditAreas" \l "convertEditAreas" \o "Link to this section)**

* Program Names:
  1. convertEditAreas.py
  2. convertSamples.py
  3. convertColorTables.py
  4. convertGfeConfigs.py
  5. convertWeGroups.py
  6. GFE\_unmangler.py (utility needed for convertEditAreas.py)
* Synopsis: AWIPS I GFE to ADAM Conversion Scripts
* Version: 1.5
* Program Lead: [Virgil Middendorf](mailto:virgil.middendorf@noaa.gov)

**Version 1.5 Changes**[**¶**](https://collaborate.nws.noaa.gov/trac/ncladt/wiki/AppConvertEditAreas#Version1.5Changes)

* Work in progress
* Verified to work for OB11.5
* Completed update for convertEditAreas.py. Now uses Jendrowski's GFE\_unmangler utility to convert AWIPS 1 file names. Script now puts SITE level edit areas into the site level infrastructure on ADAM. Baseline edit areas now in configured directory.
* Completed update for convertSamples.py. Now uses Jendrowski's GFE\_unmangler utility to convert AWIPS 1 file names. Script now puts SITE level sample points into the site level infrastructure on ADAM. Baseline sample points now in configured directory.
* Completed update for convertColorTables.py. Now uses Jendrowski's GFE\_unmangler utility to convert AWIPS 1 file names.
* Completed update for convertGfeConfigs.py. Now uses Jendrowski's GFE\_unmangler utility to convert AWIPS 1 file names.
* Added new convertWeGroups.py script from Ostrowski (I modified to work like other 4 scripts.)

**Description**[**¶**](https://collaborate.nws.noaa.gov/trac/ncladt/wiki/AppConvertEditAreas#Description)

***'convertEditAreas.py:***' Edit area files in the AWIPS I GFE REFERENCE directories are converted into the xml format that the ADAM GFE requires. AWIPS I GFE edit area groups are binary files, so ifpServerText is used to determine what edit areas are in each group. A copy of the baseline edit area groups on ADAM is moved over to AWIPS I, so edit areas on ADAM, but do not exist on AWIPS I can be put in the proper edit area group. Edit area groups are converted into the txt format that the ADAM GFE requires.

Next the script tars up the gfe directory in the /awips/dev/awips2 directory. This tar file is scp’d to the /awips/edex/data/utility/common\_static/user/<username> directory on ADAM. The file is untarred with ownership/permissions set.

***'convertSamples.py:***' Sample files in the AWIPS I GFE SAMPLE directories are converted into the xml format that the ADAM GFE requires. Next the script tars up the ./gfe/sampleSets directory in the /awips/dev/awips2 directory. This tar file is scp’d to the /awips/edex/data/utility/common\_static/user/<username> directory on ADAM. The file is untarred with ownership/permissions set.

***'convertColorTables.py:***' GFE color tables in ./data/databases/<user or SITE>/COLORTABLE directory on AWIPS 1 are converted into cmap files in an xml format for AWIPS 2. The script tars up the ./colormaps/GFE directory in the /awips/dev/awips2 directory and scp’s it to the /awips/edex/data/utility/cave\_static/<user or site>/<username or siteID> directory on ADAM. The file is untarred with the ownership/permissions set.

Color tables are done a bit differently on AWIPS 2. The baseline tables are in the /usr/local/vis/cave/etc/colormaps/GFE directory, so these tables can be used in D2D also. SITE and USER level version of these files are put in the cave\_static infrastructure instead of the common\_static infrastructure that most GFE configuration goes into.

***'convertGfeConfigs.py:***'

GFE Config files in ./data/databases/<user or SITE>/TEXT/GFECONFIG directory on AWIPS 1 are converted into py files for AWIPS 2. The script tars up the ./gfe/userPython/gfeConfig directory in the /awips/dev/awips2 directory and scp’s it to the /awips/edex/data/utility/cave\_static/<user or site>/<username or siteID> directory on ADAM. The file is untarred with the ownership/permissions set.

Config files will port as they are into AWIPS 2. There are some minor differences as documented here...

<https://collaborate.nws.noaa.gov/trac/siteconfig/wiki/GfeSiteConfigMaps>

In addition, if you are missing some of your configuration (like weather element groups), the GFE perspective will complain when you start it up with a ported over Config file.

The baseline Config are in the /usr/local/vis/cave/etc/gfe/userPython/gfeConfig directory. SITE and USER level version of these files are put in the cave\_static infrastructure instead of the common\_static infrastructure that most GFE configuration goes into.

***'convertWeGroups.py:***' GFE Weather Element Groups in ./data/databases/<user or SITE>/TEXT/BUNDLE directory on AWIPS 1 are converted into xml files for AWIPS 2. The script tars up the ./gfe/weGroups directory in the /awips/dev/awips2 directory and scp’s it to the /awips/edex/data/utility/cave\_static/<user or site>/<username or siteID> directory on ADAM. The file is untarred with the ownership/permissions set.

**Source Code**[**¶**](https://collaborate.nws.noaa.gov/trac/ncladt/wiki/AppConvertEditAreas#SourceCode)

* [Browse](https://collaborate.nws.noaa.gov/trac/ncladt/browser/ncladt/ladroot/gfe/apps/convertEditAreas/trunk) the code
* subversion
* svn co https://collaborate.nws.noaa.gov/svn/ncladt/ladroot/gfe/apps/convertEditAreas

**Installation Instructions**[**¶**](https://collaborate.nws.noaa.gov/trac/ncladt/wiki/AppConvertEditAreas#InstallationInstructions)

Upgrading? Ignore steps 3-5 below.

1. Get the python scripts from ncladt subversion using the command in the next step.
2. svn export https://collaborate.nws.noaa.gov/svn/ncladt/ladroot/gfe/apps/convertEditAreas/trunk
3. Log onto dx1 as user root.
4. cd /awips/dev
5. mkdir awips2
6. chmod 777 awips2
7. Move the five python scripts into the /awips/dev/awips2 directory
8. Done!

Note: If you put the program in another location on dx1, then you will have to edit the four conversion scripts and change the WORKDIR variable in the configuration section in each one.

**Execute Instructions**[**¶**](https://collaborate.nws.noaa.gov/trac/ncladt/wiki/AppConvertEditAreas#ExecuteInstructions)

1. Log into dx1 as user root
2. cd /awips/dev/awips2
3. ./convertEditAreas.py <siteID> <A1USER> <A2USER>
4. Be prepared to enter in the root password for adam1 three times.
5. ./convertSamples.py <siteID> <A1USER> <A2USER>
6. Be prepared to enter in the root password for adam1 two times.
7. ./convertColorTables.py <siteID> <A1USER> <A2USER>
8. Be prepared to enter in the root password for adam1 two times
9. ./convertGfeConfigs.py <siteID> <A1USER> <A2USER>
10. Be prepared to enter in the root password for adam1 two times
11. ./convertWeGroups.py <siteID> <A1USER> <A2USER>
12. Be prepared to enter in the root password for adam1 two times

where:

* siteID is the uppercase 3 character id of a WFO
* A1USER must be an AWIPS 1 GFE username or SITE
* A2USER must be an AWIPS 2 username or SITE

Note: These scripts have proven to work for OB11.5 or later.