adif-edit.py

Description:

This script will modify ADIF (Amateur Data Interchange Format) files used for exchanging data between most amateur radio (ham radio) logging programs.

Use Case

I use a portable logging app on my phone and iPad to log contacts for POTA, SOTA, CHASING, CONTESTing. I also use contesting apps for various contests. Once the mission is complete, I export from the logging app to ADIF file format. In preparation for importing to my main logging program, “Amateur Contact Log” (ACLOG) developed by N4JFP. I use the ADIF file editor to quickly add a field with the activity name as the value. The field name is a user customizable field in ACLOG, called “OTHER” (Yes, at the time, I had no imagination).

The program can be used to add or edit ANY field in the ADIF file.

USAGE:

Assumes you initiate the python script using a python script engine on your computer.
eg: `“python adif-edit”`

```
adif-edit <input_file> [<output_file | -f>] <value> [<field_name> | -f]
```

```
Defaults (hard coded in the script at the top of the entry point):
     <input_file> required
     <output_file uses> default_output_file_name in program
     <value> uses default_field_value (currently SOTA)
     <field_name> uses default_field_name (currently OTHER)
```

If the python script is run without any arguments, it will prompt the user for each argument.

Because the application is mainly used to add a field to my files prior to import to populate the “OTHER” field, it gives a warning if the user doesn’t enter an expected value, allowing the user to override and continue or enter a new value.

Prior to running, the user is presented with what the program will do, allowing the user to approve or quit the application unless a forced override (-f) is received as any of the parameters after the input file.

- **input_file**
  The adif formatted file you want to process
  (if argument is blank, all arguments should be left blank causing the app to prompt the user for the input_file and other required arguments.)

- **output_file**
  File where you want the processed data to be placed
  (If the argument is blank all following arguments should be left blank, causing the app to prompt the user for the output file name and the rest of the arguments.)

  "-f" will force override mode, forcing default values for this all all subsequent parameters (defined above), *skipping the confirmation step.*

- **value**
  The value that you want to be put in the field
  (If the argument left blank, all following arguments should be left blank, causing the app to prompt the user for the value and field_name)
  If -f is used, it forces defaults for this and the field_name (defined above).

  NOTE: If you want the field created with no value, execute the script with only the input file name, and supply a blank when prompted for the activity.

- **field_name or "-f"**
  The name of the field that should be either edited (changed to the new value) or it's added if it's not there. If the user enters "-f" as the final argument, it will force the app to use the default field (defined above).
  (If the argument is not passed, the user will be prompted for the value).

Examples

```
adif-edit foo.adi bar.adi sota other
```

- Takes the file foo.adi and either edits or adds a field called "OTHER" and populates that with the value "SOTA" and places it in a new file called bar.adi

```
adif-edit foo.adi bar.adi sota -f
```

- Takes the file foo.adi and either edits or adds a field called “OTHER” and populates that with “SOTA” placing the data in a new file called bar.adi.

  The “-f” in place of the field name forces the app to use the default field.

```
adif-edit foo.adi
```

- Uses foo.adi as the input file and prompts the user for the rest of the required arguments

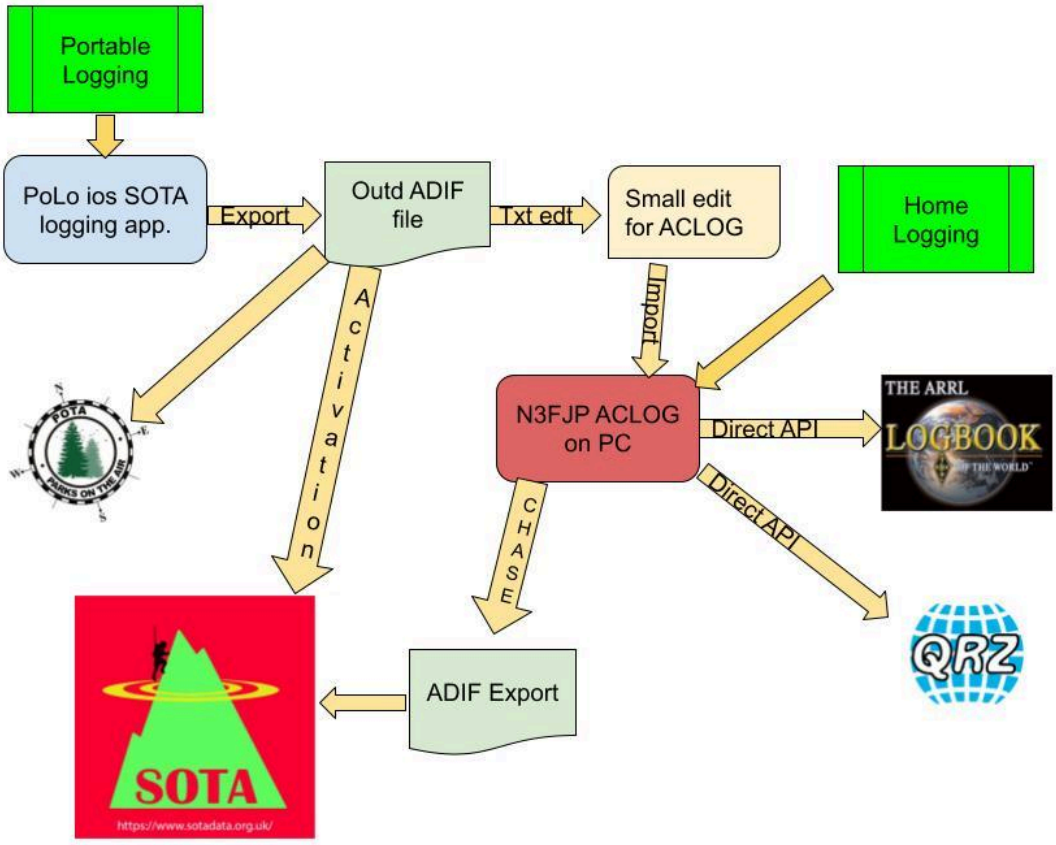
```
adif-edit foo.adi -f
```

- Uses foo.adi as the input file and uses the defaults (defined above) for all subsequent parameters and skips the confirmation at the end.

Author:

Created by Chris Claborne, initially using claude.ai and then modified to fit my needs as well as fix a bug in the original AI developed code.

Go to HamNinja.com/logging to see how I generally manage logs.


Portable Logging
PoLo ios SOTA logging app.
Export
Outd ADIF file
Txt edt
Small edit for ACLOG
Home Logging
Activation
Import
POTA
PARKS ON THE AIR
N3FJP ACLOG on PC
Direct API
THE ARRL
LOGBOOK
OF THE WORLD
CHASE
Direct API
QRZ
SOTA
https://www.sotadata.org.uk/
ADIF Export