

# lug create and edit TeX Local User Group web pages

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bash script, version=2.02

## Synopsis

```
lug [options] [lug-code]
```

**lug** can be used to maintain the TeX Local User Group web pages, currently located at [www.ntg.nl/lug](http://www.ntg.nl/lug). Without options, reads key=value pairs, possibly embedded in the body of a mail as sent by a web form like [here](#). You can feed the complete email (after saving it) to `lug`, or you can paste its content to standard input.

For testing, you may want to make a copy and run it from there:

```
$ cp -a /var/www/html/lug /var/www/html/lugtest
$ cd /var/www/html/lugtest
$ ./lug --help
$ (more lug calls)
```

Finally look at the results in <http://www.ntg.nl/lugtest>

Options:

```
-h,--help          Print this help and exit
-H,--Help          Print full documentation via less and exit
-V,--version       Print version and exit
-f,--full          Re-create all files
-e,--extras=STR    Re-create STR, where STR can be:
                   labels.pdf
                   lugs.pdf
                   lugs.html
                   index.html
                   links.inc
-s,--sync[=STR]    Synchronize the lug page at www.ntg.nl/STR with the current directory
                   The default for STR is lug
-c,--clean         Remove all files that can be re-created
```

## Description

**lug** can be used to to (re-)create the web pages of the LUG database. This script must be executed in its own directory. After the script has been executed, this directory will contain the web site for the Electronic LUG Database, currently: `.`

Before execution, the directory must contain at least"

- the script (as said)
- a subdirectory containing one text file for each LUG

The HTML files depend 4 files in the parent directory: `ntg.css`, `1blok1e.inc`, `1blok2e.inc`, and `1blok4e.inc`.

The `lugs.rb` script must be moved to the `cgi-bin` directory.

When people send new data by using the forms of the site, they do so by submitting the form, which causes an email with raw data to be sent to the administrator(s).

An administrator should verify the password reported in the email and then `cd` to this directory, or to a copy of it on his own computer, and he should then run:

```
$ ./lug
```

**lug** waits for data, which it can be given by `cut` (from the email) and `paste` (to standard input). By ending the input with `␣`, **lug** corrects the data in the directory 'lugs'

It is of course also possible to save the contents of the email into a file and then run:

```
$ ./lug <file
```

The administrator can make small correction to one country by giving the necessary input on the command line. For example, to change the email address of the treasurer of The Netherlands he can run:

```
$ ./lug
code=nl
femail=wybo@dekkerdocumenten.nl
^D
```

Synchronize the website ([www.ntg.nl/lug](http://www.ntg.nl/lug)) with the current directory:

```
./lug --sync
```

Or, for testing purposes, synchronize [www.ntg.nl/lugtest](http://www.ntg.nl/lugtest):

```
./lug --sync=lugtest
```

or, shorter:

```
./lug -slugtest
```

Remove everything that can be regenerated:

```
lug --clean
```

Regenerate everything:

```
lug --full
```

## Author and copyright

Author    Wybo Dekker  
Email    [wybo@dekkerdocumenten.nl](mailto:wybo@dekkerdocumenten.nl)  
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## Functions used:

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### setkeys

```
parameters: 1: country code
description: Set the keys hash to the values taken from the file lugs/$1.
globals set: keys
globals used: -
returns:    0
```

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### clean

```
parameters: -
description: Remove files created but not needed for the web site or for
             lug functioning.
globals set: -
globals used: -
returns:    0
```

---

### Clean

```
parameters: -
description: Remove all files that can be re-created.
globals set: -
globals used: -
returns:    0
```

---

## makeMakefile

parameters: -  
description: Create the file Makefile  
globals set: -  
globals used: db  
returns: 0

---

## makeutf82html.c

parameters: -  
description: Create the file utf82html.c;  
it will be compiled *via* Makefile  
globals set: -  
globals used: -  
returns: 0

---

## makelinks.inc

parameters: -  
description: Create the file links.inc  
globals set: -  
globals used: -  
returns: 0

---

## makexx.html

parameters: 1: country code  
description: Create the file lugs/\$1  
globals set: (*via setkeys*): keys  
globals used: db keys adminemail  
returns:

---

## makeindex.html

parameters: -  
description: Create the file index.html  
globals set: -  
globals used: db fullname adminemail  
returns: 0

---

## makelugs.html

parameters: -  
description: Create the file lugs.html  
globals set: (*via setkeys*) keys  
globals used: db keys fullname  
returns: 0

---

## makelugs.pdf

```
parameters: -
description: Create the files lug.tex and lugs.pdf
globals set: (via setkeys) keys
globals used: keys db fullname
returns: 0
```

---

## **makelabels.pdf**

```
parameters: -
description: Create the file labels.tex and labels.pdf
globals set: (via setkeys) keys
globals used: keys db
returns: 0
```

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## **fullname (hash)**

Links the country codes to the full name of countries. Also used to test the validity of country codes.

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## **keys, inp (hashes)**

Depending on which **lug** is handled, *keys* will contain the key and values defined in the files in *lugs/*. In an edit operation, *inp* will be filled with similar keys and values that will replace those in *keys*.

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## **db (string)**

Contains the space-separated country codes for which data are available in the *lugs/* directory.

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## **admin (string)**

Contains the user name of the **lug** administrator at [www.ntg.nl](http://www.ntg.nl)

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## **adminemail (string)**

Contains the email address that should receive corrections from the web site.