lmeer

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Info

- **Name:** lmeer
- **Author:** Erfan Shoara
- **Version:** 1.0
- **Release Date:** Apr 25, 2024
- **Repository:** link to github repo
- **Language:** C
- **Platform:** Linux

Description

it's error utility for C based apps - error trace

Config

right now there isn't any config file for it.

Usage

Integration

after installation can include the library to your application:

```
#include <lmeer.h>
```

and for compilation need to add the installed library based on installation modes:

- static library

if installed lmeer statically, then need to provide the archive *(liblmeer.a)* file
during compilation of your application. e.g. using GCC:

```
gcc -c foo.c
gcc -o foo foo.o liblmeer.a
```

or if the library is installed where the linker can find it, can use:

```
gcc -o foo foo.o -llmeer
```

> NOTE; from GCC(1): If both static and shared libraries are found, the linker gives preference to linking with the shared library unless the -static option is used.

- shared library

if installed lmeer dynamically, then need to provide the shared object *(liblmeer.so)* file during compilation of your application. e.g. using GCC:

```
gcc -o foo foo.c liblmeer.so
```

or if the library is installed where the linker can find it, can use:

```
gcc -o foo foo.c -llmeer
```

to run the application successfully, the shared object must be in a location that dynamic linker (ld-linux) can find it. See ld.so(8) for more info

Implementation

Install

use *make* to compile and/or install lmeer either statically or dynamically. No change should be made in Makefile itself, rather the config.mk can be used to change the setup for compilation/installation. After making the desirable changes in config.mk, run the following to compile the code and generate the library file:

```
make clean all
```

and if you want to install as well:

```
make clean install
```

> Note; based on your access level and make configuration you might need super user permission.

Uninstall

To uninstall lmeer, the config.mk file should have the same setup as when it was installed, then run the following:

```
make uninstall
```

Contact

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