Utilities Reference

for release version 0.2.12

mu-sys

mu-sys - minimal exec command Synopsis: mu-sys [options...] [file...] *Options*: 0.0.2 print version string and exit -l SRCFILE load SRCFILE in sequence -e SEXPR evaluate SEXPR and print result -q SEXPR evaluate SEXPR quietly -c JSON environment configuration [file ...] load source file(s)

mu-server

mu-server - minimal exec command Synopsis: mu-server [options...] [file...] *Options*: 0.0.2 print version string and exit -l SRCFILE load SRCFILE in sequence -e SEXPR evaluate SEXPR and print result -q SEXPR evaluate SEXPR quietly -c JSON environment configuration [file ...] load source file(s)

mu-exec

Name:

mu-exec - minimal exec command Synopsis: mu-exec [options...] [file...] *Options*: 0.0.2 print version string and exit -l SRCFILE load SRCFILE in sequence evaluate SEXPR and print result -e SEXPR -q SEXPR evaluate SEXPR quietly -c JSON environment configuration

[file ...] load source file(s)

```
lade
           lade - system development tool
Synopsis: lade command [options...]
Commands: 0.0.16
  help
                  this message
   version
                  lade version
   init
                  init ./ as workspace
   env
                  print dev environment
                  clean all artifacts
  clean
   build release build system
        profile
        debug
   image build --out=path |
                  [--image=path | --config=config]
                  *[--load=path | --eval=sexpr]]
        view --image=path
                  manage heap images
   symbols reference [--module=name]
          crossref [--module=name]
          metrics [--module=name]
                  symbol reports
   install
                  install release system-wide, may
                  need sudo(8)
   commit
                  rustfmt and clippy.
                  pre-commit linting
                  run regression test suite
   test
   bench base [--ntests=number]
        current [--ntests=number]
         footprint [--ntests=number]
                  run benchmarks
General ontions:
   --verbose
                  verbose operation
```

mu-listener

mu-listener - mu system REPL Name: *Synopsis*: mu-listener

Description: 0.0.2

mu-listener is a generalized command-line REPL that can be configured to load and run in any of the mu namespaces.

It is intended for debugging and exploration during development.

mu-listener has no command-line arguments, it is configured by a JSON-format dotfile named .mu-listener. An example dotfile can be found in /opt/mu/lib/mu-listener. If a .mu-listener is not found in the current directory, the user's home directory will be searched and if found there will be used. mu-listener does not require a .mu-listener file.

```
{
        "config": "npages: 2048",
"namespace": "core",
        "rc": "mu-listener.rc"
```

The configuration syntax can specify three options, none of which are required.

The *config* option supplies a *mu* Env configuration specification in JSON format, see the mu-ref refcard environment section for details. If this option is not specified, the mu Env will be created with default values.

The namespace option supplies the namespaces that should be loaded, see the *mu-ref* refcard *namespaces* section for details. If this option is not specified mu-listener will load only the *mu* namespace.

The rc option supplies the name of a source file to be loaded before the REPL runs. Additional symbols may be supplied there.