Utilities Reference

for release version *0.2.12*

mu-sys

Name: mu-sys – *minimal exec command*
Synopsis: mu-sys [*options...*] [*file...*]

Options: 0.0.2

-v	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

Name: mu-server – *minimal exec command*
Synopsis: mu-server [*options...*] [*file...*]

Options: 0.0.2

-v	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

-v	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)

forge

Name: forge – system development tool
Synopsis: forge *command* [*options…*]

Commands: 0.0.17

help	this message
version	*lade* version
init	init ./ as workspace
env	print dev environment
clean	clean all artifacts
build release *profile* *debug*	build system
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
test	run regression test suite
bench base [--ntests=*number*] *current* [--ntests=*number*] *footprint* [--ntests=*number*]	run benchmarks

General options:

--verbose	verbose operation
--recipe	show recipe

mu-listener

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

Description: 0.0.2

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.

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

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