***Utilities*** ***Reference .***

**forreleaseversion *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…*]

*Description*: 0.0.18

Usage: forge 0.0.18 command [option...]

command:

help ; this message

version ; forge version

workspace init | env ; manage workspace

build release | profile | debug

; build mu system,

; release default

bench base | current | report | clean

[--ntests=number] [--all]

; benchmark test suite

test ; regression test suite

symbols reference | crossref | metrics [--module=name]

; symbol reports,

; module default to mu

install ; (sudo) install mu

; system-wide

clean ; clean all artifacts

commit ; fmt and clippy,

; pre-commit checking

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.