Utilities Reference

for release version *0.2.13*

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

   regression   ; regression test suite

   symbols   reference | crossref | metrics
             [--namespace=name]
                                 ; symbol reports,
                                 ; namespace defaults
                                 ; 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.