

Utilities Reference

for release version 0.2.14

mu-sys

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

Options: 0.0.2
-l SRCFILE load SRCFILE in sequence
-e SEXP evaluate SEXP and print result
-q SEXP evaluate SEXP 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 SEXP evaluate SEXP and print result
-q SEXP evaluate SEXP 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 SEXP evaluate SEXP and print result
-q SEXP evaluate SEXP quietly
-c JSON environment configuration
[file ...] load source file(s)

mforge

Name: mforge - system development tool
Synopsis: mforge command [options...]

Description: 0.0.18

Usage: mforge 0.0.18 command [option...]
Command:
help ; this message
version ; mforge 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
clean ; system-wide
commit ; clean all artifacts
; fmt and clippy,
; pre-commit checking

general options:
--verbose ; verbose operation
--recipe ; show recipe

repl

Name: repl - mu system REPL
Synopsis: repl

Description: 0.0.2

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

It is intended for debugging and exploration during development.

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

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