

## NAME

mst\_envs - configure MST environment

## SYNOPSIS

mst\_envs [options]

## OPTIONS

**--shell** *enumerated value*

output commands compatible with the specified shell. Available shells are

sh  
bash  
ksh  
csh  
tcsh

**--define|-D** *option=value*

Define a subsystem specific option; see <L/Subsystem Options> for more information.

**--env** *environment variable name*

Only output the specified environment variable. This option may be repeated.

**--envs**

only output the environment variables

**--path**

only output the path

**--prepend**

add MST executables to the front of the user's path (default behavior)

**--append**

add MST executables to the end of the user's path

**--export, --noexport**

whether the MST variables will be exported; defaults to **--export**

**--fullpath, --nofullpath**

whether the output PATH will include the user's PATH; defaults to **--fullpath** (yes)

**--ignore-errors**

Ignore the absence of Perl or Lua; normally this would be a fatal occurrence.

**--ldlibrarypath, --noldlibrarypath**

whether the output will include the an LD\_LIBRARY\_PATH at all; defaults to **--noldlibrarypath** (no)

**--pfx|--prefix** *pfx*

prefix the MST variable names with the given string.

**--sysarch, --nosysarch**

whether to output the system architecture variables; defaults to **--nosysarch**.

**--exclude** *file glob pattern*

Don't output variables which match the pattern. May be used more than once.

**--help**

print a short help message and exit.

**--usage**

print detailed usage instructions and exit.

## DESCRIPTION

**mst\_envs** is normally used inside a shell script (most likely the user's shell startup script, like *.cshrc* or *.profile*) to add the required entities to the user's environment to access the MST programs and facilities.

**mst\_envs** is designed to be `eval'd` by the shell, e.g.

```
eval `mst_envs -csh`
```

normally this results in the setting of various environment variables, including the user's path. To have the MST variables treated as shell variables, use the **--noexport** flag.

the **--sysarch** flag causes variables containing architecture specific info to be output. these variables are used in constructing paths in the MST enviroment. by outputting these variables, the user may make use of them at a later point without having to run the **sysarch** script separately.

In general, play with the options; it'll be pretty obvious what they do. Just don't **eval** the output until you've got what you want.

## Subsystem Options

The **--define** option is used to provide extra options for various subsystems:

- **perl\_version**

The version of Perl to enable access to. It may take the following values:

*path*

Use the Perl in the current path.

*default*

Use the Perl pointed to by `@MST_OTS_ROOT@/pkgs/perl`.

*version*

Use the Perl found at `@MST_OTS_ROOT@/pkgs/perl-version`.

The `MSTENVS_WRAP_perl` environment variable is set if the requested Perl isn't the default one so that the `@MST_ROOT@/bin/perl` wrapper will use that specified.

- **lua\_version**

The version of Lua to enable access to. It may take the following values:

*path*

Use the Lua in the current path.

*default*

Use the Lua found in `@MST_OTS_ROOT@/system/bin/lua`.

*version*

Use the Lua found at `@MST_OTS_ROOT@/pkgs/lua-version`.

## **SPECIAL CASES**

The `LD_LIBRARY_PATH` variable is set up to behave a bit differently from the other environment variables. Since we have chosen to avoid setting `LD_LIBRARY_PATH` in a user's environment in the past, if it is not present in the user's environment **mst\_envs** will not output an `LD_LIBRARY_PATH`. If it is present, **mst\_envs** will treat it much like it does `PATH` and `MANPATH`. Expect `--append`, `--prepend`, and `--nofullpath` to work as they would for `PATH`.

## **AUTHOR**

Diab Jerius (djerius@cfa.harvard.edu)

M Tibbetts ( mtibbetts@cfa.harvard.edu )