Creating new tests for Lmod

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Outline

- ▶ Showing how to create a test for Lmod
- ▶ Tclmodule test
- ▶ New Principal: An unload cannot fail!
- ▶ An intel module failing on unload
- ▶ Break on unload?
- ▶ Future Topics

A Tclmodule test

▶ A user reported that there was an extra space from a TCL modulefile

▶ This calls for a new test

▶ The following slides outline the steps

Create a new tclmodule test

- ▶ Create directory rt/tclmodule/mf
- ▶ Create a new tcl file a/1.0

```
#%Module

global env
set home $env(HOME)
set pkg "$home/foo"
prepend-path PATH $pkg/bin
setenv FOO_DIR $pkg

module-whatis "This $pkg"
```

Create a tclmodule.tdesc

- ▶ Copy rt/nvv/nvv.tdesc to rt/tclmodule/tclmodule.tdesc
- ▶ Edit to fit
- ▶ Add steps

```
runScript = [[

  . $(projectDir)/rt/common_funcs.sh

  unsetMT
  initStdEnvVars
  export MODULEPATH=$(testDir)/mf

  rm -fr _stderr.* _stdout.* err.* out.* .lmod.d

  runLmod --version                          # 1
  runLmod whatis a                           # 2
```

Future Topics

- ▶ Write one new test.
- ▶ Explain how Mname object converts names into a filename.
- ▶ More internals of Lmod?