
Command Reference:

CreateRegressionTestCommandFile()

Create a command file to run regression tests

Version 08.16.00, 2008-07-09

The `CreateRegressionTestCommandFile()` command is used for software testing (or certification for use in operations) and creates a command file that includes a `StartRegressionTestResultsReport()` and multiple `RunCommands()` commands. A starting search folder is provided and all files that match the given pattern (by convention `Test_*.TSTool`) are assumed to be command files that can be run to test the software. The resulting command file is a test suite comprised of all the individual tests and can be used to verify software before release.

The `RunCommands()` command `ExpectedStatus` parameter is by default `Success`. However, if it is expected that a command file will result in `Warning` or `Failure` and still be a successful test, the following comment can be placed in the command file:

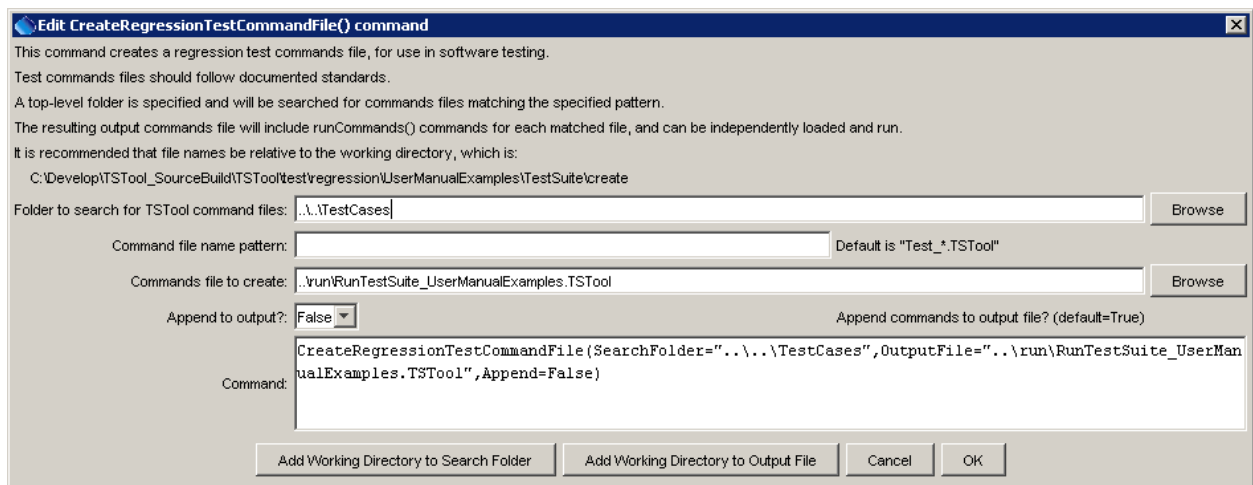
```
#@expectedStatus Failure
```

or

```
#@expectedStatus Warning
```

For example, if a command is obsolete and should generate a failure, the expected status can be specified as `Failure` and the test will pass. Another example is to test that the software properly treats a missing file as a failure. The goal is to have all tests pass before software release.

The following dialog is used to edit the command and illustrates the syntax for the command.



CreateRegressionTestCommandFile

CreateRegressionTestCommandFile() Command Editor

The command syntax is as follows:

```
CreateRegressionTestCommandFile (Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
SearchFolder	The folder to search for regression test command files. All subfolders will also be searched.	None – must be specified.
FilenamePattern	Pattern for TSTool command files, using wildcards.	Test_*.TSTool
OutputFile	The name of the command file to create, enclosed in double quotes if the file contains spaces or other special characters. A path relative to the command file containing this command can be specified.	None – must be specified.
Append	Indicate whether to append to the output file (True) or overwrite (False). This allows multiple directory trees to be searched for tests.	True

See the RunCommands () documentation for how to set up a regression test. The following command file illustrates how to create a regression test suite.

```
CreateRegressionTestCommandFile(SearchFolder="..\..\..\commands\general",
    OutputFile="..\run\RunRegressionTest_commands_general.TSTool",Append=False)
```

An example of the output file from running the tests is:

```
# The test status below may be PASS or FAIL.
# A test can pass even if the commands file actual status is FAILURE, if failure is expected.
#   Test   Commands   Commands
#   Pass/  Expected   Actual
#   Num Fail  Status     Status      Command File
#-----
1  PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\add\Test_Add_1.TSTool
2  PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\add\Test_Add_Ensemble_1.TSTool
3  PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\addConstant\Test_AddConstant_1.TSTool
4  PASS    SUCCESS    SUCCESS
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\adjustExtremes\Test_AdjustExtremes_1.TSTool
...
11 PASS    SUCCESS    SUCCESS
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\ChangeInterval\Test_ChangeInterval_IrregINST_To_3HourINST.TSTool
12 PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\ChangePeriod\Test_ChangePeriod_1.TSTool
13 PASS    SUCCESS    SUCCESS
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\compareTimeSeries\Test_AllDifferent.TSTool
14 PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\compareTimeSeries\Test_AllSame.TSTool
15 PASS    SUCCESS    SUCCESS
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\ComputeErrorTimeSeries\Test_ComputeErrorTimeSeries_1.TSTool
16 PASS    SUCCESS    SUCCESS
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\convertDataUnits\Test_ConvertDataUnits_1.TSTool
17 PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\Copy\Test_Copy_1.TSTool
18 PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\CopyEnsemble\Test_CopyEnsemble_1.TSTool
19 PASS    SUCCESS    SUCCESS
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\CreateEnsemble\Test_CreateEnsemble_1.TSTool
20 *FAIL*  SUCCESS    WARNING
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\CreateFromList\Test_CreateFromList_1.TSTool
21 PASS    Failure    FAILURE
C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\CreateTraces_Alias\Test_CreateTraces_Legacy_1.TSTool
22 PASS    SUCCESS    SUCCESS      C:\Develop\TSTool_SourceBuild\TSTool\test\regression\commands\general\cumulate\Test_Cumulate_1.TSTool
```