

PrimeTime® Constraint Consistency Tool Invocation Commands

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Synopsys, Inc.
690 E. Middlefield Road
Mountain View, CA 94043
www.synopsys.com

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Contents

pt_shell -constraints4

pt_shell -constraints

Invokes the PrimeTime constraint consistency shell, **ptc_shell**.

SYNTAX

```
ptc_shell
  [-no_gui]
  [-f file_name]
  [-native]
  [-x command_string]
  [-man]
  [-no_init]
  [-version]
  display_env_var
```

Data Types

```
file_name           string
display_env_var    string
command_string     string
```

ARGUMENTS

-no_gui

Do not start GUI mode. The ptc_shell starts in GUI mode by default. You can manually launch the GUI with **gui_start**.

-f *file_name*

Executes *file_name* (a file of the **ptc_shell** commands) before displaying the initial ptc_shell prompt. If the last statement in *file_name* is **quit**, no prompt is displayed and the command shell is exited.

-native

Directs the ptc_shell to start up using the native executable of the requested architecture, if available. This directs the ptc_shell to start using the 32-bit executable of the requested architecture on a 32-bit platform or the 64-bit executable of the requested architecture on a 64-bit platform. If the native executable is unavailable, the startup process terminates.

-x *command_string*

Executes the `ptc_shell` statements in *command_string* before displaying the initial `ptc_shell` prompt. You can enter multiple statements, separating each statement with a semicolon, with quotation marks around the entire set of command statements after the **-x**. If you also use the **-f** option, the statements from **-x** are executed before the script from **-f** is executed. If the last statement entered is **quit**, no prompt is displayed and the command shell is exited.

-man

Launches the online help browser. The `ptc_shell` executable will not be run and no licenses are required. To change the browser, use the `USER_HELP_BROWSER` environment variable. For example, to change the online help browser to Mozilla, enter

```
setenv USER_HELP_BROWSER /usr/bin/mozilla
```

-no_init

Directs the `ptc_shell` not to execute any `.synopsys_pt.setup` startup files.

-version

Displays the version number and build date information, and then exits.

DESCRIPTION

Interprets and executes the PrimeTime constraint consistency commands. The **ptc_shell** command interpreter is based on Tcl (Tool Command Language).

The `ptc_shell` executes commands until you terminate the session with the **quit** or **exit** command. During interactive mode, you can also terminate the `ptc_shell` session by typing Ctrl+D.

To cancel or interrupt the command currently executing in the **ptc_shell**, type Ctrl+C. The time it takes for a command to process an interrupt (stop what it is doing and continue with the next command) depends upon the size of the design and the type of command. If you enter Ctrl+C three times before a command responds to the interrupt, `ptc_shell` exits, and the following message is displayed:

```
Information: Process terminated by interrupt.
```

SEE ALSO

PrimeTime Suite User Guide.