

PrimeTime Tool Invocation Commands

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primetime

Runs the PrimeTime graphical user interface (GUI).

SYNTAX

```
primetime  
[-f file_name]  
[-no_init]  
[-version]
```

Data Types

file_name string

ARGUMENTS

- f *file_name2*
 Executes the *file_name*, that is a file of the **pt_shell** command shell.
- no_init
 Directs the program not to execute any **.synopsys_pt.setup** startup files.
- version
 Displays the version number and build date information and then exits.

DESCRIPTION

The graphical user interface to pt_shell. Executes all pt_shell startup files, commands, and command scripts. Provides a graphical console for the invoking pt_shell commands and windows for graphical visualization of timing information.

The Main window is the graphical counterpart to pt_shell and is the only window that appears initially. The Main window provides a graphical console for executing pt_shell commands and viewing the results. Commonly used commands are also accessible from the Main window's menus. Lastly, the graphical visualization windows are invoked from the Main window.

The Histogram window can display a histogram of Endpoint Slack, Path Slack, Net Capacitance, or Design Rule Cost information for the current design. The histograms give an overall view of the state of the design. The Path Profiler window can be used to examine profiles of specific paths and nets identified in the Histogram window.

The Path Schematic Window provides a schematic view of the path specified from the Histogram Window. In addition, pin names with rise/fall arrival value, net capacitance and cell names are annotated.

The Report window organize the reports generated and provides simple viewing and search capabilities to browse the reports.

Supported Platforms and Operating Systems

Sun SPARC (Solaris 5.4, SunOS 4.1.4) HP700/800 (HP-UX10.03)

SEE ALSO

"PrimeTime Fundamentals User Guide"

pt_shell(1)

dc_shell(1)

pt_shell

Runs the PrimeTime command shell.

SYNTAX

```
pt_shell  
[-f file_name]  
[-gui]  
[-display display_env_var]  
[-x command_string]  
[-no_init]  
[-version]
```

Data Types

<i>file_name</i>	string
<i>display_env_var</i>	string
<i>command_string</i>	string

ARGUMENTS

-32bit

Directs the **pt_shell** to start up using the 32-bit executable of the requested architecture, if available. If the 32-bit binary is unavailable, the startup process terminates. Where the *-32bit* switch is utilized, and you are on a 64-bit machine, the corresponding 32-bit binary for that architecture is used. The exception to this rule is where there is no actual 32-bit binary for the requested architecture, but where 32-bit compatible binaries are available. In this circumstance, the 32-bit binary that is compatible with the requested architecture is used.

-64bitf

Directs the **pt_shell** to start up using the 64-bit executable of the requested architecture, if available. If the 64-bit binary is unavailable, the startup process terminates.

-native

Directs the **pt_shell** to start up using the native executable of the requested architecture, if available. This directs the **pt_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.

-f *file_name*

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

-gui

Directs the **pt_shell** to start up the PrimeTime GUI immediately upon startup.

- display *display_env_var*
Sets the DISPLAY environment variable to *display_env_var* for PrimeTime GUI if invoked from the **pt_shell** command.
- x *command_string*
Executes the *pt_shell* statements in *command_string* before displaying the initial *pt_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 option. 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.
- no_init
Directs the **pt_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 PrimeTime timing analysis commands. The **pt_shell** command interpreter is based on Tcl (Tool Command Language).

The **pt_shell** command executes commands until it is terminated by a **quit** or **exit** command. During interactive mode, you can also terminate the *pt_shell* session by using Control-d.

To cancel or interrupt the command currently executing in the *pt_shell*, type Control-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 Control-c three times before a command responds to the interrupt, *pt_shell* exits and the following message is displayed:

Information: Process terminated by interrupt.

SEE ALSO

PrimeTime Fundamentals User Guide