# PrimeRail
# Tool Invocation Commands

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## Contents

# pr_shell

Runs the PrimeRail command shell.

## SYNTAX

```
pr_shell
    -root_path path_name
    [-native]
    [-32bit]
    [-64bit]
    [-display display_env_value]
    [-file file_name]
    [-x command]
    [-no_init]
    [-gui]
    [-version]
    [-optimize_mode]
```

### Data Types

```
string path_name
string display_env_value
string file_name
string command
```

## ARGUMENTS

**-root_path *path_name***

Specifies the root path.

**-native**

Invokes PrimeRail using the native executable of the requested architecture, if available. This directs the pr_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.

**-32bit**

Invokes PrimeRail using the 32-bit executable of the requested architecture, if available. If the 32-bit binary is unavailable, the startup process terminates. When 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 when no actual 32-bit binary for the requested architecture is present, but 32-bit compatible binaries are. In this circumstance, the 32-bit binary that is compatible with the requested architecture is used.

**-64bit**

Invokes PrimeRail using the 64-bit executable of the requested architecture, if available. If the 64-bit binary is unavailable, the startup process terminates.

-display *display_env_value* Sets the DISPLAY environment variable to *display_env_value* when invoking PrimeRail GUI using the **pr_shell** command.

### -file *file_name*

Executes specified script file before displaying the initial pr_shell prompt. If the last statement in *file_name* is the **quit** command, no prompt is displayed and the command shell exits.

### -x *command*

Executes the pr_shell statements in *command* before displaying the initial pr_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. When used with the *-file* option, the statements from the *-x* option are executed before the script from the *-file* option is executed. If the last statement entered is **quit**, no prompt is displayed and the command shell exits.

### -no_init

Invokes PrimeRail without executing any .synopsys_pr.setup startup files.

### -gui

Invoke PrimeRail GUI windows immediately upon startup. This option cannot be specified together with the *-optimize_mode* option.

### -version

Displays the version information.

### -optimize_mode

Invokes PrimeRail in optimize mode without displaying PrimeRail GUI windows. This option cannot be specified together with the *-gui* option.

## DESCRIPTION

The **pr_shell** command interprets and executes PrimeRail commands. The **pr_shell** command interpreter is Tcl-based.

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

To cancel or interrupt the command currently executing in the pr_shell, type Control-c. The time it takes for a command to process an interrupt (that means, 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, pr_shell exits and the following message is displayed:

Information: Process terminated by interrupt

## SEE ALSO

None