

IC Compiler Tool Invocation Commands

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icc_shell

Invokes the IC Compiler command shell.

SYNTAX

```
icc_shell  
[-gui [-display terminal_name]]  
[-non_upf_mode]  
[-xp_mode]  
[-psyn_mode]  
[-dp_mode]  
[-f script_file]  
[-x command_string]  
[-no_init]  
[-checkout feature_list]  
[-64bit]  
[-wait wait_time]  
[-timeout timeout_value]  
[-version]  
[-no_log]
```

Data Types

<i>terminal_name</i>	string
<i>script_file</i>	string
<i>command_string</i>	string
<i>feature_list</i>	list
<i>wait_time</i>	integer
<i>timeout_value</i>	integer

ARGUMENTS

- gui
Invokes the IC Compiler graphical user interface (GUI). If you do not invoke it when you start IC Compiler, you can invoke it later by running the **gui_start** command at the `icc_shell` prompt.
- display *terminal_name*
Opens the GUI on the specified display. By default, the GUI opens on the display specified by the **DISPLAY** environment variable.
- non_upf_mode
Invokes IC Compiler in non-UPF mode.
- xp_mode
Invokes the IC Compiler-XP package.
- psyn_mode
Invokes the IC Compiler-PC package (which does not include routing capability).

- dp_mode**
Invokes the IC Compiler-DP package.
- f *script_file***
Executes a file of `icc_shell` commands given in the `script_file` argument before displaying the initial `icc_shell` prompt. If the last statement in `script_file` is **quit**, no prompt is displayed, and the command shell is exited.
- x *command_string***
Executes the `icc_shell` statement given in the `command_string` argument before displaying the initial `icc_shell` prompt. You can enter multiple statements by separating them with a semicolon (;) and enclosing the entire set of command statements in quotation marks (""). If the last statement entered is **quit**, no prompt is displayed, and the command shell is exited.
- no_init**
Specifies that `icc_shell` is not to execute any `.synopsys_dc.setup` startup files. Use this option only when you want to include a command log or another script file in order to reproduce a previous `icc_gui` or `icc_shell` session. Include the script file either by using the **-f** option or by invoking the **source** command from within `icc_shell`.
- checkout *feature_list***
Specifies a list of licensed features to check out in addition to the default features checked out by the program.
- 64bit**
Invokes the 64-bit executable of the IC Compiler command shell.
- wait *wait_time***
Specifies the wait time in minutes. Invoke `icc_shell` only when all of the licensed features specified by using the **-checkout *feature_list*** option can be checked out during the specified time.
- timeout *timeout_value***
Specifies a value from 5 to 20 that indicates the number of minutes the program spends trying to recover a lost contact with the license server before terminating. The default is 10.
- version**
Displays the version number, build date, site id number, local administrator, and contact information, and then exits.
- no_log**
Disables command file logging for the session and creates a filenames log file in the following format:

<filename>_<pid>_<timestamp>.log.

DESCRIPTION

This command interprets and executes IC Compiler commands. The `icc_shell` environment consists of user commands and variables that control the physical synthesis capabilities of IC Compiler.

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

SEE ALSO

`gui_start(2)`