Formality®
Tool Invocation Commands

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SYNOPSYS®

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Contents

fm_shell

Runs the Formality shell.

SYNTAX

fm_shell
  [-root *path_name*]
  [-work_path *path_name*]
  [-session *session_file_name*]
  [-x *command_string*]
  [-file *file_name*]
  [-name_suffix *suffix*]
  [-overwrite]
  [-create_unique_work_directory]
  [-no_init]
  [-version]
  [-checkout *feature*]
  [-build]
  [-gui]
  [-container]

ARGUMENTS

-root *path_name*

Specifies the Synopsys root path.

-work_path *path_name*

Specifies a Formality work directory path. All the temporary files and directories that the tool creates, such as formality.log, fm_shell_command.log, FM_WORK/, or formality_svf/, are stored in the specified location. Ensure that the specified location is readable and writable.

-session *session_file_name*

Specifies a saved Formality session file to restore before displaying the **fm_shell** prompt. The session is restored after loading the setup files but before executing the command string specified by the -x option or the script specified by the **-file** option.

-x *command_string*

Specifies a command string to execute. The command string can be a string of one or more **fm_shell** commands separated by semicolons. These commands are executed before displaying the **fm_shell** prompt and before executing the script specified by using the **-file** option. If the last statement in the command string is **quit**, the Formality shell command prompt is not displayed and the tool exits after executing the **command_string**.

-file *file_name*

Executes a file of **fm_shell** commands specified by the *file_name* argument before displaying the initial fm_shell prompt. If the last statement in the file is **quit**, the Formality shell command prompt is not displayed and the tool exits after executing the commands in the file.

-name_suffix *suffix*

Appends the suffix specified by the *suffix* argument to the names of Formality supplemental log files, formality.log and fm_shell_command.log. The suffix is also appended to the name of the temporary work directory, FM_WORK, and to the name of

the automated setup file directory, formality_svf, that Formality creates.

-overwrite

Specifies that the log files and the temporary work directory can be overwritten. Use this option with the **-name_suffix suffix** option.

-create_unique_work_directory

Creates a new work directory FM_RUN. It will be created in the current directory, or, if applicable, in the directory specified by *work_path* argument.

If applicable, the FM_RUN directory will have the *name_suffix* argument appended to it, but the files inside the unique work directory will not have the suffix.

-no_init

Specifies that the .synopsys_fm.setup startup files are not to be executed.

-version

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

-checkout *feature*

Checks out the specified license feature on invocation.

-build

Shows the product build and exits immediately.

-gui

Starts the Formality GUI immediately.

-container

Enables Formality to run on any host that supports Singularity computing environment containers.

DESCRIPTION

The **fm_shell** command interprets and executes Formality shell commands. The command interpreter is based on Tcl.

The fm_shell executes commands until you terminate the session using the **quit** or **exit** commands. From the Formality shell, you can also terminate the fm_shell session by pressing Ctrl+D.

To cancel, or interrupt, the command currently executing in fm_shell, press Ctrl+C. The time it takes for a command to process an interrupt depends upon the type of command. If you press Ctrl+C three times before a command responds to the interrupt, the Formality shell exits and returns you to the UNIX shell.

For more information, see **Formality User's Guide and Reference Manual**

SEE ALSO

formality(1)

fmeco_shell

Runs the Formality ECO shell.

SYNTAX

fmeco_shell
  [-root *path_name*]
  [-work_path *path_name*]
  [-session *session_file_name*]
  [-x *command_string*]
  [-file *file_name*]
  [-name_suffix *suffix*]
  [-overwrite]
  [-create_unique_work_directory]
  [-no_init]
  [-version]
  [-checkout *feature*]
  [-build]
  [-gui]
  [-container]

ARGUMENTS

-root *path_name*

Specifies the Synopsys root path.

-work_path *path_name*

Specifies a Formality work directory path. All the temporary files and directories that the tool creates, such as formality.log, fm_shell_command.log, FM_WORK/, or formality_svf/, are stored in the specified location. Ensure that the specified location is readable and writable.

-session *session_file_name*

Specifies a saved Formality session file to restore before displaying the **fmeco_shell** prompt. The session is restored after loading the setup files but before executing the command string specified by the -x option or the script specified by the **-file** option.

-x *command_string*

Specifies a command string to execute. The command string can be a string of one or more **fmeco_shell** commands separated by semicolons. These commands are executed before displaying the **fmeco_shell** prompt and before executing the script specified by using the **-file** option. If the last statement in the command string is **quit**, the Formality ECO shell command prompt is not displayed and the tool exits after executing the **command_string**.

-file *file_name*

Executes a file of **fmeco_shell** commands specified by the *file_name* argument before displaying the initial fmeco_shell prompt. If the last statement in the file is **quit**, the Formality ECO shell command prompt is not displayed and the tool exits after executing the commands in the file.

-name_suffix *suffix*

Appends the suffix specified by the *suffix* argument to the names of Formality supplemental log files, formality.log and fm_shell_command.log. The suffix is also appended to the name of the temporary work directory, FM_WORK, and to the name of

the automated setup file directory, formality_svf, that Formality creates.

-overwrite

Specifies that the log files and the temporary work directory can be overwritten. Use this option with the **-name_suffix suffix** option.

-create_unique_work_directory

Creates a new work directory FM_RUN. It will be created in the current directory, or, if applicable, in the directory specified by *work_path* argument.

If applicable, the FM_RUN directory will have the *name_suffix* argument appended to it, but the files inside the unique work directory will not have the suffix.

-no_init

Specifies that the .synopsys_fm.setup startup files are not to be executed.

-version

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

-checkout *feature*

Checks out the specified license feature on invocation.

-build

Shows the product build and exits immediately.

-gui

Starts the Formality GUI immediately.

-container

Enables Formality to run on any host that supports Singularity computing environment containers.

DESCRIPTION

The **fmeco_shell** command interprets and executes Formality ECO shell commands. The command interpreter is based on Tcl.

The fmeco_shell executes commands until you terminate the session using the **quit** or **exit** commands. From the Formality ECO shell, you can also terminate the fmeco_shell session by pressing Ctrl+D.

To cancel, or interrupt, the command currently executing in fmeco_shell, press Ctrl+C. The time it takes for a command to process an interrupt depends upon the type of command. If you press Ctrl+C three times before a command responds to the interrupt, the Formality ECO shell exits and returns you to the UNIX shell.

For more information, see **Formality User's Guide and Reference Manual**

SEE ALSO

formality(1)

formality

Runs the Formality Graphical User Interface (GUI).

SYNTAX

formality
  [-root *path_name*]
  [-work_path *path_name*]
  [-session *session_file_name*]
  [-x *command_string*]
  [-file *file_name*]
  [-name_suffix *suffix*]
  [-overwrite]
  [-create_unique_work_directory]
  [-no_init]
  [-version]

Data Types

  path_name   string
  session_file_name   string
  file_name   string
  suffix   string

ARGUMENTS

-root *path_name*

Specifies the Synopsys root path.

-work_path *path_name*

Specifies a Formality work directory path. All the temporary files and directories that the tool creates, such as formality.log, fm_shell_command.log, FM_WORK/, or formality_svf/, are stored in the specified location. Ensure that the specified location is readable and writable.

-session *session_file_name*

Specifies a saved Formality session file to load before disspplaying the initial **fm_shell** prompt. The session is restored after loading the setup files but before executing the command string specified by the -x option or the script specified by the -file option.

-x *command_string*

Specifies a command string to execute. The command string can be a string of one or more **fm_shell** commands separated by semicolons. The tool executes these commands before displaying the **fm_shell** prompt and before executing the script specified by the -file option. If the last statement in the command string is **quit***, the tool does not display the Formality shell command prompt and exits after executing the command string.*

-file *file_name*

Specifies a file containing **fm_shell** commands to execute before displaying the **fm_shell** prompt. If the last statement in the file is **quit**, the tool exits after executing the commands in the file, and does not display the Formality shell command prompt.

-name_suffix *suffix*

Appends the suffix specified by the *suffix* argument to names of Formality supplemental log files, formality.log and fm_shell_command.log. The tool also appends the suffix to the name of the temporary work directory FM_WORK, and to the name of the automated setup file directory, formality_svf, that it creates.

-overwrite

Specifies that the log files and the temporary work directory can be overwritten. Use this option with the **-name_suffix** *suffix* option.

-create_unique_work_directory

Creates a new work directory FM_RUN. It will be created in the current directory, or, if applicable, in the directory specified by *work_path* argument.

If applicable, the FM_RUN directory will have the *name_suffix* argument appended to it, but the files inside the unique work directory will not have the suffix.

-no_init

Specifies that the .synopsys_fm.setup startup files are not to be executed.

-version

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

DESCRIPTION

This command provides a graphical user interface (GUI) to the Formality shell.

It interprets and executes Formality shell commands. The Formality command interpreter is based on Tcl.

Formality executes commands until you terminate it using the **quit** or **exit** commands. From the invocation shell, you can also terminate the Formality session by pressing Ctrl+D.

To cancel or interrupt the command currently executing in Formality, press Ctrl+C in the invocation shell or click the Stop button. The time it takes for a command to process an interrupt depends upon the type of command. If you press Ctrl+C three times before a command responds to the interrupt, Formality exits and returns you to the UNIX shell.

For more information, see *Formality User's Guide and Reference Manual*

SEE ALSO

fm_shell(1)