

Appends the class declaration to the existing file specified with the `-o` argument. If `-o` is omitted (STDOUT selected) or an output file does not exist yet, `-append` is ignored.

-b

Sets the type of the SystemC foreign module ports to `sc_bit` and `sc_bv`. If omitted, the type of the SystemC foreign module ports is set to `sc_logic` and `sc_lv`.

-boolasbool

Translates VHDL ports of type `boolean` to SystemC foreign module ports of type `bool`. If omitted, boolean ports show up as `sc_bit` or `sc_logic` depending on whether the `-b` argument is used or not.

-o <output_file>

The name of the output file. If omitted, the output of the command is printed to the standard output.

-overwrite

Overwrites the existing file specified by using the `-o` argument with a new class declaration. If `-o` is omitted (STDOUT selected) or an output file does not exist yet, `-overwrite` is ignored.

-work <library>

The logical name of the library containing an HDL unit for which the command generates a SystemC class declaration. If omitted, the current working library is assumed. You can specify any local or global library attached to the Active-HDL environment.

<unit_name>

The name of the library unit for which the class declaration will be generated.

Examples

```
scgenmod -o and2.cpp and2
```

Generates the class declaration of the **and2** unit coming from the current working library to the `and2.cpp` file.

```
scgenmod -o and2.cpp -append -work bjack johnson8
```

Appends to the `and2.cpp` file, the class declaration of the **johnson8** unit coming from the **bjack** library.

```
scgenmod -work bjack mux `> and2.cpp
```

Overwrites the `and2.cpp` file with the class declaration of the **mux** unit coming from the **bjack** library.

scripterconf command

	DO	Tcl	Compatibility
GUI:	!	!	!
VSimSA:	✓	✓	✓

Sets the **working mode** (DO, Tcl, or Compatibility) of the command interpreter. If no argument is passed, the command returns information about the currently set working mode.

The changed working mode is automatically reset when Active-HDL is closed (the command interpreter returns to the default DO Mode). In order to preserve the working mode after the Active-HDL restart, the command can be added to the `startup.do` macro executed whenever Active-HDL starts. (The `startup.do` macros executed at Active-HDL GUI startup or at Active-HDL VSimSA startup are stored in the `$aldec\scripts` or `$aldec\bin`, respectively.)

If the command is used in a macro or script, it does not change the working mode used to execute this macro. However, it changes:

- The working mode of the command interpreter in the entire Active-HDL environment
- The execution mode for subsequent macro calls

Switching the working mode of the command interpreter not only affects the interpreter but also changes the behavior of several macro commands. Differences in the command behavior, if any, are listed in the Active-HDL Macro Language section individually for each command.

Syntax

```
scripterconf [-instant_console_updates 0|1] [-warn_on_ignored 0|1] [-reset] [ -do
| -tcl | -msim ]
```

Arguments

-instant_console_updates 0|1

When used with 1, changes the behavior of the Console, so that messages printed by external programs become visible immediately. (By default, the Console buffers program output and prints it out in larger chunks.) Such external programs include VHDL and Verilog compilers ([vcom](#), [vlog](#)), C/C++ compiler invoked by the [ccomp](#) command, or any other command started through the [runexe](#) command.

To restore the default behavior, use 0:

```
scripterconf -instant_console_updates 0
```

Compatibility Note: Unavailable in the GUI.

NOTE: Instant console updates may involve a noticeable speed penalty. You should always make sure that this option is not in effect when the design is batch processed.

-warn_on_ignored 0|1

Disables (0) or enables (1) warning generation for ignored arguments and commands used in the Compatibility Mode. By default, the warning generation is disabled.

Compatibility Note: Unavailable in the GUI.

-do

Sets the DO Mode. If the DO Mode is on, the command interpreter is case-insensitive.

-tcl

Sets the Tcl Mode. If the Tcl Mode is on, the command interpreter is case-sensitive.

NOTE: Switching the Console to the Tcl Mode is not required to run Tcl macros. To run a Tcl macro, simply invoke the `do` command with the `-tcl` argument, for example:

```
do -tcl run.do
```

See [Using Macro Commands in Active-HDL GUI](#) or [Using Macro Commands in VSimSA](#) for more information.

-msim

Sets the Compatibility Mode. If the Compatibility Mode is on, the command interpreter is case-sensitive.

-reset

In the GUI, resets the environment settings of the command interpreter in the selected working mode, e.g. only in the Tcl Mode. User-defined environment and interpreter settings in other modes are not changed.

In VSimSA, resets the Tcl interpreter by removing all user-defined procedures and variables.

Example 1

The first command in the following macro enables warning generation for Tcl macros running in the Compatibility Mode.

```
scripterconf -warn_on_ignored 1
vsim -title "VSimSA Simulation" cntl_struct
```

VSimSA does not support the `-title` argument, so the macro invoked in the VSimSA Tcl Mode (`do -tcl <macro>`) would trigger a syntax error. If the macro is running in VSimSA Compatibility Mode (`do -msim <macro>`), the `-title` argument is ignored and the simulation process is initialized correctly. Because warning generation has been enabled, the following message will be printed to the Console:

```
# SCRIPTER: Warning: Ignored switch '-title' used.
```

Example 2

```
scripterconf -instant_console_updates 1
```

Changes the default behavior of VSimSA command interpreter and makes the output of external programs appear immediately on the console. (By default, the output is buffered.) This may involve a speed penalty.

search structure command

	DO	Tcl	Compatibility
GUI:	✓	✓	✓
VSimSA:	✗	✗	✗

Searches the design displayed on the **Structure** tab of the **Design Browser** window for a specific object.

Syntax

```
search structure [-noreg] [-rec] [-signals|-instances|-units] <item>
```

Arguments**-noreg**

Disables the use of [wildcards](#). This is useful when the name of the object searched for contains extended identifiers.

-rec

Searches for the specified item descending recursively into hierarchy subregions. If omitted, the command applies only to the current region.

-signals | -instances | -units

Specifies the type of the object to be searched for: `-signals` specifies signals or ports, `-instances` specifies component instances and `-units` specifies entities, configurations, modules, and primitives. The