

TUTORIAL: Quick Start Undertow Suite

Thank you for your interest in our Undertow Suite product.
There are several ways to initiate the program with your simulation files:

Example 1: The command for users running a simulator in batch mode.

```
% ut -iv -f FMS/top.vc -sigfile FSM/fsm.sigs
```

- '**ut**' is used to start the Waveform window
- '**-iv**' is used to start up the source code debugger
- '**-f**' indicates that the next argument is a filename that contains all of your design files
(In this case these are Verilog files listed in the top.vc file)
- '**-sigfile**' indicates that the next argument is the name of your signal file

Example 2: The command for users running an interpreted simulator interactively.
In this case we will run the Verilog XL simulator:

```
% ut -iv -xl verilog -f FMS/top.vc -sigfile FSM/fsm.sigs -tracefile FSM/fsm.trace
```

- '**-xl verilog**' indicates the type and name of the simulator
- '**-tracefile**' indicates that the next argument is the name of the trace file

NOTE: Loading a trace file will allow the Undertow Suite to act just like a real simulator without tying up a simulator license. This is the feature called 'Virtual Simulation'.

Example 3: The command for users running a compiled simulator interactively.
In this case we will run the Synopsis VCS simulator:

```
% ut -iv -vcs vcs top -sigfile FSM/fsm.sigs -ivsimcmp "-f FSM/source"
```

- '**-vcs vcs**' indicates the type and name of the simulator
- '**top**' is the file name of the compiled design
- '**-ivsimcmp**' indicates the files that were previously compiled by the simulator

NOTE: To build a parsed database for debugging the source code, Undertow Suite needs the file names of the previously simulation compiled files.



Thanks for the opportunity to serve you.