

Creating a VHDL-2002 Version of the OSVVM Packages

Most simulators support VHDL-2008 now and we have stopped providing VHDL-2002 packages. If your simulator does not support VHDL-2008, you can create VHDL-2002 version of the packages by using the following steps.

1. Convert the VHDL-2008 packages to VHDL-2002

To create VHDL-2002 versions, uncomment the following library and use clauses in the files: SortListPkg_int.vhd, RandomBasePkg.vhd, RandomPkg.vhd, and CoveragePkg.vhd:

```
library ieee_proposed ;  
use ieee_proposed.standard_additions.all ;  
use ieee_proposed.standard_textio_additions.all ;
```

Note that at some point in time, it may be necessary to use VHDL-2008 constructs. At that point in time, the above packages will not be available to uncomment and you will be need to use an older revision of the package.

2. Create library IEEE PROPOSED

You will need an IEEE_PROPOSED library with the following files compiled into it: standard_additions_c.vhdl, standard_textio_additions_c.vhdl, and env_c.vhdl. You can get the files from www.vhdl.org/fphdl/.

3. Compiling the Packages

Turn on the VHDL-2002 compile switch. Create a library named OSVVM. Compile the files, SortListPkg_int.vhd, RandomBasePkg.vhd, RandomPkg.vhd, and CoveragePkg.vhd into the OSVVM library.

4. Running the Random Demo Program

If you want to run the Demo_Rand.vhd file, you will need to change the reference to std.env.stop to ieee_proposed.env.stop.