

OsvvmGlobalPkg Package

User Guide

User Guide for Release 2024.03

By

Jim Lewis

SynthWorks VHDL Training

Jim@SynthWorks.com

<http://www.SynthWorks.com>

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1 OsvvmGlobalPkg Overview

Release 2024.03 deprecated most of the functionality in this package. At this point, only `OsvvmOptionsType`, `IsEnabled`, and `to_OsvvmOptionsType` remain. `OsvvmOptionsType` is used with `SetAlertLogOptions` and

2 Package User Subprogram Reference

2.1 Package Reference

```
library osvvm ;  
use osvvm.OsvvmGlobalPkg.all ;
```

2.2 OsvvmOptionsType: Type for OSVVM options

```
type OsvvmOptionsType is (OPT_INIT_PARM_DETECT, OPT_USE_DEFAULT, DISABLED, FALSE,  
    ENABLED, TRUE) ;
```

2.3 IsEnabled

```
function IsEnabled (A : OsvvmOptionsType) return boolean ;
```

2.4 to_OsvvmOptionsType

```
function to_OsvvmOptionsType (A : boolean) return OsvvmOptionsType ;
```

3 Deprecated and Removed Items

3.1 Migrating SetOsvvmGlobalOptions to Constants in OsvvmSettingsPkg

With OSVVM release 2024.03, the procedure `SetOsvvmGlobalOptions` was deprecated and removed. These settings are now done by constants in `OsvvmSettingsPkg_default.vhd`. If you want to change the setting, copy `OsvvmSettingsPkg_default.vhd` to `OsvvmSettingsPkg_local.vhd` and make the changes you desire.

The following table shows the parameter of `SetOsvvmGlobalOptions` and its corresponding constant in `OsvvmSettingsPkg`.

Parameter Name	Constant that replaces it
<code>WritePassFail</code>	<code>COVERAGE_WRITE_PASS_FAIL</code>
<code>WriteBinInfo</code>	<code>COVERAGE_WRITE_BIN_INFO</code>
<code>WriteCount</code>	<code>COVERAGE_WRITE_COUNT</code>
<code>WriteAnyIllegal</code>	<code>COVERAGE_WRITE_ANY_ILLEGAL</code>
<code>WritePrefix</code>	<code>OSVVM_PRINT_PREFIX</code>
<code>DoneName</code>	<code>OSVVM_DONE_NAME</code>
<code>PassName</code>	<code>OSVVM_PASS_NAME</code>
<code>FailName</code>	<code>OSVVM_FAIL_NAME</code>

4 Referencing and Compiling OsvvmGlobalPkg

See OSVVM_release_notes.pdf for the current compilation directions. Rather than referencing individual packages, we recommend using the context declaration:

```
library OSVVM ;  
context osvvm.OsvvmContext ;
```

5 About OsvvmGlobalPkg

OsvvmGlobalPkg.vhd is a work in progress and will be updated from time to time.

OsvvmGlobalPkg is released under the Apache open source license. It is free (both to download and use - there are no license fees). You can download it from <https://github.com/OSVVM/OSVVM>.

6 About the Author - Jim Lewis

Jim Lewis, the founder of SynthWorks, has thirty plus years of design, teaching, and problem solving experience. In addition to working as a Principal Trainer for SynthWorks, Mr Lewis has done ASIC and FPGA design, custom model development, and consulting.

Mr. Lewis is chair of the IEEE 1076 VHDL Working Group (VASG) and is the primary developer of the Open Source VHDL Verification Methodology (OSVVM.org) packages. Neither of these activities generate revenue. Please support our volunteer efforts by buying your VHDL training from SynthWorks.

If you find bugs these packages or would like to request enhancements, you can reach me at jim@synthworks.com.