

## Verum releases new defect free Java code generator

Verum has added Java code generation support in its newest ASD:Suite Release 2.7 v6.0.0. Support for the Java language is the latest addition to the choice of mathematically verified code generators which had previously included C++, C# and Misra C. This major release of the ASD:Suite also added the following enhancements:

- Support for Microsoft Windows 7. The ASD:Suite now fully supports Microsoft Windows 7 standards for installation and user security. Example files are now saved in a folder called "My ASD Models" in a user's "My Documents" directory.
- Support for Microsoft Visual Studio 2010. The generated source code can be compiled using Microsoft Visual 2010.
- Simplified model checking. There is no longer a need to start an X-Server, like Xming, when model checking ASD Models and the need for SSL Port 22 to be open in firewalls has been eliminated.
- Stub code generation for "Multiple" components. The user is able to specify the type of the component, "Singleton" or "Multiple", for which he (or she) wants to generate the stub code.
- Support for package name specification. When Java is selected as a target language it is possible to specify a package in which all generated code will be located.
- Support for Single Threaded Execution Models. In Java, it is now possible to specify that an ASD Model is part of a single threaded execution environment. The result is that it does not create its own execution threads. This differs from the ASD Standard Execution Model where use of a DPC thread allows multi-threading.
- Ability to specify include/import statements in ASD Design Models. This allows generated code to include specific data which can be defined in a set of header files or packages using include/import statements within a design model.
- Support for declaration of array parameters and for assignment of literal values for both in and out parameters. In case a literal needs to be specified as argument, the respective argument has to be specified between two \$ signs.

Existing ASD:Suite users should contact their ASD:Administrator to get access the new release. Companies or individuals interested in learning more ASD:Suite Release 2.7 should try out the free ASD:ModelViewer available at <http://www.verum.com/products/ASDSuite/ModelViewer.html>.

