

SPICES

an ITEA project

Deliverable 3.4.1 description sheet		
AADS (AADL SystemC Simulator)		
Provider	University of Cantabria	
Release Number	1.0	
Status ¹	Research prototype	
Functions	<p>AADS is a tool that allows a subset of AADL model to be parsed and then to be simulated. When AADS is invoked, it asks the name of two AADL XML files. One is the AADL model itself in XML. The other is the result of an instantiation of a system implementation of the AADL model obtained with OSATE. AADS creates files written in POSIX/C++ with the extensions .h and .cpp and a file written in XML, their number and names depends on the AADL model parsed.</p> <p>These files are then used by the tool SCOPE to simulate the model. AADS is written in Java and it is being developed with the plug-in of Eclipse IDE for Java.</p> <p>AADS itself has been developed as a plug-in of Eclipse.</p>	
Features	Description	Maturity ²
	Parsing of AADL XML files.	new
	Generation of POSIX/C++ files.	new
	Generation of XML file.	new
Requirements ³	<p>As AADS runs as a plug-in of Eclipse, you need Eclipse for MS-Windows to use it.</p> <p>OSATE for MS-Windows generates the XML files from AADL.</p> <p>SCOPE for Linux is used to simulate the model translated by AADS.</p>	
Delivery mode	IP status	Open Source under GPL license.
	Download site	Delivered on demand, contact University of Cantabria.
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¹ : commercial tool, research tool, research prototype

² : mature, stable, new

³ : Platforms (processor, OS), other tools needed (tool site), ...