

SUPPORTED LINUX DISTRIBUTIONS AND PRE-REQUISITES

SALOME 5.1.4 supports Debian 3.1 Sarge, Debian 4.0 Etch 32bit and 64bit, Mandriva 2006 32bit and 64bit, Mandriva 2008 32bit and 64bit. SALOME 5.1.4 version has been mainly tested with the following pre-requisite list on Mandriva 2008 32bit and Debian 4.0 Etch 64bit platforms.

SALOME 5.1.4 comes with the same prerequisites versions on all supported platforms (with some exceptions). The table below lists the versions of the products used by SALOME platform. Other versions of the products can also work but it is not guaranteed.

NOTE: For some platforms Salome uses prerequisites with patches like in RPM and defines specific keys. If you compile products without Install Wizard we strongly recommend you to check compilation keys using shell files located in config_files folder of the Installation Procedure.

	Version	GUI (IAPP)	KERNEL	GEOM	SMESH	VISU	MED	YACS	NETGENPLUGIN	GHS3DPLUGIN	GHS3DPRPLPLUGIN	BLSURFPLUGIN	HexoticPLUGIN	RANDOMIZER	SERPINSKY	PYCALCULATOR	COMPONENT	CALCULATOR	HELLO	PYHELLO	LIGHT	PYLIGHT	MULTIPR	xdata	HXX2SALOME
gcc*	3.3.5**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
automake*	1.9**	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X
autoconf*	2.59**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
libtool*	1.5.6**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GNU make*	3.80**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Python	2.4.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Qt	4.5.2	X		X	X	X	X	X	X	X	X	X		X		X	X	X	X	X		X	X	X	
Sip	4.8.2	X														X									
PyQt	4.5.4	X														X					X		X		
Boost	1.40.0***	X	X	X	X	X	X		X	X	X	X	X		X			X	X				X		
Swig	1.3.40	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X					X		
OpenCASCADE Technology	6.3 sp9	X		X	X	X	X	X	X	X	X	X	X		X		X	X	X		X		X		
Qwt	5.2.0	X															X								
QScintilla	2.4							X																	
OmniORB	4.1.4																								
OmniORBpy	3.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	
omniNotify	2.1																								
Hdf5	1.6.9	X	X	X	X	X	X		X	X	X	X	X		X		X	X			X		X		
Med	2.3.6				X	X	X		X		X				X	X	X	X					X		
Vtk	5.0.4	X		X	X	X	X		X	X	X	X	X		X		X				X	X		X	
numpy	1.3.0		X																						
lapack	3.2****		X																						
Graphviz	2.24.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X				
Doxygen	1.6.1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X				
NETGEN	4.5								X																
docutils	0.6.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X				
metis	4.0						X																		
scotch	4.0						X																		
libxml2	2.6.27	X	X				X	X																	
blsurf	2.8											X													
TetMesh-GHS3D	4.1									X	X														
TcITk	8.4.14																								
Sphinx	0.6.3							X																	
Expat	2.0.1							X																	
libBatch	1.1.0		X																						

*) Not included into SALOME Installation procedure

**) Minimal required version

***) 1.37.0 for Debian 3.1 Sarge since version 1.40.0 is not compatible with gcc 3.3 used at Debian Sarge

****) 3.1.1 for Debian 3.1 Sarge since version 3.2 is not compatible with gcc 3.3 used at Debian Sarge

SALOME 5.1.4 depends of a number of products for run time execution, others are necessary only for compilation or generation of development documentation (like doxygen for example). Below there is a list of mandatory and optional products.

Software Requirements

	Compilation and Development		Execution		Remarks
	Mandatory	Optional	Mandatory	Optional	
gcc	X		X		
Automake	X				
Autoconf	X				
libtool	X				
GNU make	X				
Tcltk					for OCCT compilation from source files only
Python	X		X		
Qt	X		X		
sip	X				
PyQt	X		X		
Boost	X		X		
Swig	X				
OpenCASCADE Technology	X		X		
Qwt	X		X		
QScintilla		X		X	
OmniORB	X		X		
Hdf	X		X		
Med	X		X		
Vtk	X		X		
numpy		X			
Graphviz		X			
Doxygen		X			
NETGEN	X				for NETGENPLUGIN mesh plug-in only
docutils		X			for KERNEL and YACS documentation only
cppunit		X			
mpi		X		X	required only if used at compilation step
openpbs		X		X	required only if used at compilation step
Lsf		X		X	required only if used at compilation step
metis	X		X		
scotch	X		X		
libxml2	X				
blsurf	X		X		for BLSURFPLUGIN mesh plug-in only
TetMesh-GHS3D			X		for GHS3DPLUGIN mesh plug-in only
Sphinx		X			for YACS documentation only
Expat	X				For YACS only
libBatch		X			