

SUPPORTED LINUX DISTRIBUTIONS AND PRE-REQUISITES

SALOME 5.1.6 supports Debian 4.0 Etch 32bit and 64bit, Debian Lenny 5.0 64bit, Mandriva 2006 32bit and 64bit, Mandriva 2008 32bit and 64bit, Mandriva 2010 32bit and 64bit, Fedora Core 6 32bit, Red Hat Enterprise Linux 4 64bit, Scientific Linux 5.1 64bit. SALOME 5.1.6 has been mainly tested with the below specified pre-requisite list on Mandriva 2008 32bit and Debian 4.0 Etch 64bit platforms.

SALOME 5.1.6 comes with the same prerequisites versions on all supported platforms. The table below lists the versions of the products used by SALOME platform. Other versions of the products can also work but this is not guaranteed.

	Version	GUI (IAPP)	KERNEL	GEOM	SMESH	VISU	MED	YACS	NETGENPLUGIN	GHS3DPLUGIN	GHS3DPRRPLUGIN	BLSURFPLUGIN	HexoticPLUGIN	MULTIPR
gcc*	3.3.5**	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
autoconf*	2.59**	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
GNU make*	3.80**	X	X	X	X	X	X	X	X	X	X	X	X	X
cmake	2.6.4													
Python	2.4.4	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
Sip	4.8.2	X			X									
PyQt	4.5.4	X			X									
Boost	1.40.0	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
OCCT	6.3 sp10	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
omniNotify	2.1													
Hdf5	1.6.9	X	X	X	X	X	X		X	X	X	X	X	
Med	2.3.6				X	X	X		X		X			
Vtk	5.0.4	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	
Doxygen	1.6.1	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	
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			
tcl/tk	8.4.14													
sphinx	0.6.3		X	X	X			X						
expat	2.0.1							X						
libBatch	1.2.0		X											
Setuptools	0.6c9													
Jinja	2.2.1													
pygments	1.0													

	Version	RANDOMIZER	SIERPINSKY	PYCALCULATOR	COMPONENT	CALCULATOR	HELLO	PYHELLO	LIGHT	PYLIGHT	HXX2SALOME	YACSGEN	JOBMANAGER	xdata
gcc*	3.3.5**	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
autoconf*	2.59**	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
GNU make*	3.80**	X	X	X	X	X	X	X	X	X	X		X	X
cmake	2.6.4													
Python	2.4.4	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
Sip	4.8.2				X									
PyQt	4.5.4				X					X				X
Boost	1.40.0		X			X	X						X	
Swig	1.3.40		X		X	X								
OCCT	6.3 sp10		X		X	X	X		X					
Qwt	5.2.0				X									
QScintilla	2.4													
OmniORB	4.1.4													
OmniORBpy	3.4	X	X	X	X	X	X	X					X	X
omniNotify	2.1													
Hdf5	1.6.9		X		X	X			X					
Med	2.3.6		X	X	X	X								
Vtk	5.0.4		X		X				X	X				X
numpy	1.3.0													
lapack	3.2													
graphviz	2.24.0	X	X	X	X		X	X						
Doxygen	1.6.1	X	X	X	X		X	X						
NETGEN	4.5													
docutils	0.6.0													
metis	4.0													
scotch	4.0													
libxml2	2.6.27													
blsurf	2.8													
TetMesh-GHS3D	4.1													
tcl/tk	8.4.14													
sphinx	0.6.3												X	
expat	2.0.1													
libBatch	1.2.0													
Setuptools	0.6c9													
jinja	2.2.1													
pygments	1.0													

*) Not included into SALOME Installation procedure
 **) Minimal required version

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 SALOME Installation Wizard.

SALOME 5.1.6 depends on 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				
cmake	X				for LIBBATCH only
Tcltk					for OCCT compilation from source files only (optional)
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	For YACS only
OmniORB	X		X		
Hdf	X		X		
Med	X		X		
Vtk	X		X		
numpy/lapack		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 in runtime only if used at compilation step
openpbs		X		X	required in runtime only if used at compilation step
Lsf		X		X	required in runtime only if used at compilation step
metis		X		X	required in runtime only if used at compilation step
scotch		X		X	required in runtime only if used at compilation step
libxml2	X		X		
blsurf	X		X		for BLSURFPLUGIN mesh plug-in only
TetMesh-GHS3D			X		for GHS3DPLUGIN and GHS3DPRLPLUGIN mesh plug-ins only
Sphinx		X			for KERNEL, GEOM, SMESH and YACS documentation only
Expat	X		X		for YACS only
libBatch		X		X	required in runtime only if used at compilation step
setuptools					for Sphinx installation only
Jinja2					for Sphinx installation only
pygments					for Sphinx installation only