

## SUPPORTED LINUX DISTRIBUTIONS AND PRE-REQUISITES

SALOME 6.3.0 supports Linux Debian 4.0 Etch 32bit and 64bit, Debian 5.0 Lenny 64bit, Debian Squeeze 6.0 64bit, Mandriva 2008 32bit and 64bit, Mandriva 2010 32bit and 64bit, Red Hat Enterprise 4.0 64bit and Scientific Linux 5.1 64bit. SALOME 6.3.0 version has been mainly tested with the following pre-requisite list on Mandriva 2008 32bit, Mandriva 2010 32bit and Debian 4.0 Etch 64bit platforms.

SALOME 6.3.0 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.

	Version	GUI (IAPP)	KERNEL	GEOM	SMESH	VISU	MED	YACS	PARAVIS	HOMARD	HEXABLOCK	NETGENPLUGIN	GHS3DPLUGIN	GHS3DPRRPLUGIN	BLSURFPLUGIN	HexoticPLUGIN	HEXABLOCKPLUGIN
gcc*	4.2**	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
autoconf*	2.59**	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
GNU make*	3.80**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
cmake	2.8.4								X								
Python	2.6.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Qt	4.6.3	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sip	4.10.2	X			X												
PyQt	4.7.3	X			X												
Boost	1.46.1	X	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
OCCT	6.3 sp12	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Qwt	5.2.1	X			X												
QScintilla	2.4.3							X									
OmniORB	4.1.5																
OmniORBpy	3.5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
omniNotify	2.1																
Hdf5	1.8.4	X	X	X	X	X	X		X	X		X	X	X	X	X	X
Med	3.0.3				X	X	X		X	X		X		X			
Vtk	5.8.0	X		X	X	X	X		X		X	X	X	X	X	X	X
numpy	1.5.1		X														
lapack	3.3.0		X														
graphviz	2.26.3	X	X	X	X	X	X	X				X	X	X	X	X	
Doxygen	1.7.3	X	X	X	X	X	X	X				X	X	X	X	X	X
NETGEN	4.9.13											X					
docutils	0.7.0	X	X	X	X	X	X	X		X	X	X	X	X	X	X	
metis	4.0						X										
scotch	5.1.11						X										
libxml2	2.7.8	X	X				X	X									
bisurf	3.0														X		
TetMesh-GHS3D	4.1 + 4.2											X	X				
tcl/tk	8.4.14***																
sphinx	1.0.7		X	X	X			X		X	X						
expat	2.0.1							X									
libBatch	1.3.0		X														
jinja	2.5.5***																
pygments	1.4***																
Setuptools	0.6c11***																
ParaView	3.10.1								X								
Homard	10.1																

	Version	RANDOMIZER	SIERPINSKY	PYCALCULATOR	COMPONENT	CALCULATOR	HELLO	PYHELLO	LIGHT	PYLIGHT	ATOMIC	ATOMGEN	ATOMSOLV	HXX2SALOME	YACSGEN	JOBMANAGER
gcc*	4.2**	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
autoconf*	2.59**	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
GNU make*	3.80**	X	X	X	X	X	X	X	X	X	X	X	X	X		X
Cmake	2.8.4															
Python	2.6.6	X	X	X	X	X	X	X	X	X	X	X	X		X	X
Qt	4.6.3		X		X	X	X	X	X		X	X	X	X		X
Sip	4.10.2				X							X				
PyQt	4.7.3				X					X		X				
Boost	1.46.1		X			X	X						X			X
Swig	1.3.40		X		X	X										
OCCT	6.3 sp12		X		X	X	X		X		X		X			
Qwt	5.2.1				X											
QScintilla	2.4.3															
OmniORB	4.1.5															
OmniORBpy	3.5	X	X	X	X	X	X	X				X	X			X
omniNotify	2.1															
Hdf5	1.8.4		X		X	X			X		X					
Med	3.0.3		X	X	X	X										
Vtk	5.8.0		X		X				X	X	X		X			
numpy	1.5.1															
lapack	3.3.0															
graphviz	2.26.3	X	X	X	X		X	X			X					
Doxygen	1.7.3	X	X	X	X		X	X			X					
NETGEN	4.9.13															
docutils	0.7.0															
metis	4.0															
scotch	5.1.11															
libxml2	2.7.8															
blsurf	3.0															
TetMesh-GHS3D	4.1 + 4.2															
tcl/tk	8.4.14***															
sphinx	1.0.7															X
expat	2.0.1															
libBatch	1.3.0															
jinja	2.5.5***															
pygments	1.4***															
Setuptools	0.6c11***															
ParaView	3.10.1															
Homard	10.1															

\*) Not included into SALOME Installation procedure  
 \*\*) Minimal required version  
 \*\*\*) Required to build other pre-requisite(s) only

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

SALOME 6.3.0 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 PARAVIS and LIBBATCH only
Tcl/tk					for OCCT compilation from source files only
Python	X		X		
Qt	X		X		
sip	X				
PyQt	X		X		
Boost	X		X		
Swig	X				
OCCT	X		X		
Qwt	X		X		
QScintilla		X		X	
OmniORB	X		X		
Hdf	X		X		
Med	X		X		
Vtk	X		X		
numpy/lapack		X			
graphviz	X				
Doxygen	X				
NETGEN	X		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	required only if used at compilation step
scotch		X		X	required only if used at compilation step
libxml2	X		X		
blsurf	X		X		for BLSURFPLUGIN mesh plug-in only
TetMesh-GHS3D	X		X		for GHS3DPLUGIN mesh plug-in only
sphinx		X			
expat	X		X		For YACS only
libBatch		X		X	required only if used at compilation step
jinja					to build Sphinx only
pygments					to build Sphinx only
setuptools					to build Sphinx only
ParaView	X		X		for PARAVIS module only
Homard		X	X		for HOMARD module only