

❖ SUPPORTED LINUX DISTRIBUTIONS AND PRE-REQUISITES

SALOME 7.4.0 supports Linux Debian 6.0 64bits, Linux Debian 7.1 64bits, Mandriva 2010 64bits, CentOS 5.5 64bits, CentOS 6.3 64bits, Fedora 18 64bits, Ubuntu 13.10 64bits, Windows XP 32bits and 64bits. SALOME 7.4.0 has been tested with the pre-requisites listed in the table below.

SALOME 7.4.0 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.

Product	Version	GUI (IAPP)	KERNEL	GEOM	SMESH	MED	YACS	PARAVIS	HOMARD	HEXABLOCK	NETGENPLUGIN	GHS3DPLUGIN	GHS3DPRPLUGIN	BLSURFPPLUGIN	HexoticPLUGIN	HEXABLOCKPLUGIN
gcc*	4.1***	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
Microsoft Visual C++**	2010	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
cmake	2.8.10.2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Python	2.7.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Qt	4.8.4	X		X	X	X	X	X	X	X	X	X	X	X	X	X
Sip	4.14.2	X			X											
PyQt	4.9.6	X			X											
Boost	1.52.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Swig	2.0.8	X	X	X	X	X	X		X		X	X	X	X	X	X
OCCT	6.7.1	X		X	X	X	X	X	X	X	X	X	X	X	X	X
Qwt	6.1.0	X			X											
QScintilla	2.7						X									
OmniORB	4.1.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OmniORBpy	3.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
omniNotify	2.1		X													
Hdf5	1.8.10	X	X	X	X	X		X	X		X	X	X	X	X	X
Med	3.0.7				X	X		X	X		X		X			
Vtk	6.1.0	X		X	X	X		X		X	X	X	X	X	X	X
numpy	1.7.1		X													
lapack	3.4.2		X													
graphviz	2.30.0	X	X	X	X	X	X				X	X	X	X	X	
Doxygen	1.8.3.1	X	X	X	X	X	X				X	X	X	X	X	X
NETGEN	4.9.13										X					
Metis	4.0					X										
Scotch	5.1.11					X										
libxml2	2.9.0	X	X			X	X									
Distene MeshGems	1.1											X	X	X	X	
sphinx	1.1.3		X	X	X		X		X	X						
expat	2.0.1						X									
libBatch	2.1.0		X													
cgns	3.1.3				X											
ParaView	4.1.0							X								
Homard	11.1								X							
simanio	1.0		X													

*) Not included into SALOME Installation procedure, Linux only

**) Not included into SALOME Installation procedure, Windows only

***) Minimal required version

Product	Version	RANDOMIZER	SIERPINSKY	PYCALCULATOR	COMPONENT	CALCULATOR	HELLO	LIGHT	PYLIGHT	ATOMIC	ATOMGEN	ATOMSOLV	HXX2SALOME	YACSGEN	JOBMANAGER
gcc*	4.1**	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
Microsoft Visual C++**	2010	X	X	X	X	X	X	X	X	X	X	X	X		X
Python	2.7.3	X	X	X	X	X	X	X	X	X	X	X		X	X
Qt	4.8.4		X		X	X	X	X		X	X	X	X		X
Sip	4.14.2				X						X				
PyQt	4.9.6				X				X		X				
Boost	1.52.0		X			X	X					X			X
Swig	2.0.8		X		X	X									
OCCT	6.7.1		X		X	X	X	X		X		X			
Qwt	6.1.0				X										
OmniORB	4.1.6	X	X	X	X	X	X				X	X			X
OmniORBpy	3.6	X	X	X	X	X	X				X	X			X
Hdf5	1.8.10		X		X	X		X		X					
Med	3.0.7		X	X	X	X									
Vtk	6.1.0		X		X			X	X	X		X			
graphviz	2.30.0	X	X	X	X		X			X					
Doxygen	1.8.3.1	X	X	X	X		X			X					
sphinx	1.1.3														X

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 **) Not included into SALOME Installation procedure, Windows only
 ***) Minimal required version

The following products are not used in SALOME directly; they are only required to build other pre-requisite products.

Product	Version	Required by	Comment
tcl	8.6.0	Open CASCADE Technology	Optional
tk	8.6.0	Open CASCADE Technology	Optional
tclX	8.4.1	Open CASCADE Technology	Optional
jinja	2.6	Sphinx	
pygments	1.5	Sphinx	
setuptools	0.6c11	Sphinx	
docutils	0.10	Sphinx	
freetype	2.4.11	Open CASCADE Technology	
freeimage	3.16.0	Open CASCADE Technology	Optional
gl2ps	1.3.8	Open CASCADE Technology, VTK	Optional
Intel TBB	3.0	Open CASCADE Technology	Optional
xdata	0.9.9		Can be used to create 3 rd - party SALOME modules
wso2-wsf-cpp	2.1.0	SIMANIO	Optional

NOTE: For some platforms SALOME uses prerequisites with patches (to fix different problems, like it is done in RPM) and defines specific configuration/compilation options. If you compile products without the Install Wizard we strongly recommend you to check configuration/compilation options using shell scripts located in config_files folder of the SALOME Installation Wizard.

SALOME 7.4.0 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

Product	Compilation and Development		Execution		Remarks
	Mandatory	Optional	Mandatory	Optional	
gcc	X		X		
GNU make	X				
Microsoft Visual C++	X		X		For execution, runtime libraries are only required
cmake	X				
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	For YACS only Required only if used at compilation step
omniORB	X		X		
omniORBpy	X				
omniNotify	X		X		
Hdf	X		X		
Med	X		X		
Vtk	X		X		
numpy + lapack		X			
graphviz	X		X		In run-time required for YACS only
Doxygen	X				
NETGEN	X		X		For NETGENPLUGIN only
cppunit		X			Used for unitary testing
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		
MeshGems	X	X	X		Compilation: mandatory for BLSURFPLUGIN only, optional for HEXOTIC plugin Runtime: mandatory for BLSURFPLUGIN, GHS3DPLUGIN, GHS3DPRPLPLUGIN, HexoticPLUGIN
sphinx		X			
expat	X		X		For YACS only
libBatch		X		X	Required only if used at compilation step
ParaView	X		X		For PARAVIS module only
Homard			X		For HOMARD module only
cgns		X		X	For SMESH only Required only if used at compilation step
freetype		X		X	Required only if used when building OCCT
freeimage		X		X	Required only if used when building OCCT
gl2ps		X		X	Required only if used when building OCCT
Intel TBB		X		X	Required only if used when building OCCT
simanio		X		X	Required only if used at compilation step
wso2-wsf-cpp		X		X	Required only if KERNEL is built with SIMAN support