

IPv6 Knowledge Base

IPv6 Software Information

Last Updated 8 December, 2011

Disclaimer: The presence of information about a product in this list does not constitute an endorsement of that product or the manufacturer or any supplier of that product.

This IPv6 software information is divided into the following categories:

General Information about System and Software Development Products (Libraries, Compilers, Debuggers, et cetera)				
Manufacturer, Vendor or Developer	Make, Model, or Series	First Version with IPv6 support	Date of Support	Comments or Additional Information
Adobe Systems, Inc.	ACROBAT READER			No IPv6 dependencies
PSTOOLKIT ORG	archive	Not applicable		Open Source, no network connections
Rice University	ARPACK			Open Source, no network connections
Free Software Foundation	ATK	Not applicable		Open Source, no network connections
Free Software Foundation	autoconf	Not applicable		Open Source, no network connections
Free Software Foundation	automake	Not applicable		Open Source, no network connections
Free Software Foundation	Bash	Not applicable		Open Source, no network connections
Free Software Foundation	Bison	Not applicable		Open Source, no network connections
SGI	C		2008	Handled within the libraries of the OS, not an issue
Intel	C			No compatibility issue
Sun	C (Forte)			No IPv6 dependencies
Portland Group, Inc.	C		2008	See FlexNet Manager
Closure Associates	Closure CL			No Network Dependencies
SGI	C++		2008	Handled within the libraries of the OS, not an issue
Intel	C++			No compatibility issue
CRAY	C++			No IPv6 dependencies
Sun	C++ (Forte)			Handled within the libraries of the OS, not an issue
CRAY	C++ Mathpack			No IPv6 dependencies
CRAY	C++ Tools Lib			No IPv6 dependencies
Cmake organizatoin	Cmake			No IPv6 dependencies
CRAY	CRAY Tools			No IPv6 dependencies
CRAY/SGI	CRAYlibs (SCSL)			No IPv6 dependencies
CRAY	CRAYLibsci			No IPv6 dependencies
NVIDIA	CUDA			No Network Dependencies
Concurrent Versions System	CVS	Not applicable		No network connections
doxygen.org	doxygen			No network connections
Free Software Foundation	Emacs	Not applicable		Open Source, uses underlying interfaces Uses system Sendmail, FTP, etc. utilities.
IBM	ESSL			Handled within the libraries of the OS, not an issue
Flexera Software Inc. www.flexerasoftware.com (previously Acreso, Inc. or Macrovision, Inc.)	FlexNet Manager (previously FlexLM)	12	1/1/2009	
	FlexNet Publisher	10.8.5	10/1/2009	
GNU	Fortran			No Network Dependencies

SGI	FORTRAN 77		2008	Handled within the libraries of the OS, not an issue
Intel	FORTRAN 77			No compatibility issue
Sun	FORTRAN 77 (Forte)			Handled within the libraries of the OS, not an issue
IBM	FORTRAN 90			No compatibility issue
SGI	FORTRAN 90		2008	Handled within the libraries of the OS, not an issue
Intel	FORTRAN 90			No compatibility issue
Sun	FORTRAN 90 (Forte)			Handled within the libraries of the OS, not an issue
Unspecified	FORTRAN 95			Handled within the libraries of the OS, not an issue
Portland Group, Inc.	Fortran Compiler		2008	See FlexNet Manager
Free Software Foundation	GCC			No Network Dependencies
Free Software Foundation	GDB	Not applicable		Open Source, no network connections
Free Software Foundation	gettext	Not applicable		Open Source, no network connections
Free Software Foundation	Ghostsript	Not applicable		Open Source, no network connections
Free Software Foundation	Ghostview	Not applicable		Open Source, no network connections
Free Software Foundation	GIMP	Not applicable		Open Source, no network connections
Junio C Hamano	GIT			Supports explicit use of both IPv4 and IPv6 Uses underlying remote services, rcp, rsh, etc.
Free Software Foundation	GLIB			Open Source, no network connections
Free Software Foundation	gmp			Open Source, no network connections
Univ of Hawaii	GMT			No network connections
Free Software Foundation	GNU awk	Not applicable		Open Source, no network connections
GNU Project	GNU Compiler Suite			No Network Dependencies
Free Software Foundation	GNU diffutils	Not applicable		Open Source, no network connections
Free Software Foundation	GNU findutils	Not applicable		Open Source, no network connections
Free Software Foundation	GNU gv	Not applicable		Open Source, no network connections
Free Software Foundation	GNU m4	Not applicable		Open Source, no network connections
Free Software Foundation	GNU make	Not applicable		Open Source, no network connections
Free Software Foundation	GNU rcs	Not applicable		Open Source, no network connections
Free Software Foundation	GNU sharutils	Not applicable		Open Source, no network connections
Free Software Foundation	GNU tar	Not applicable		Open Source, no network connections
Dartmouth University	gnuplot			Open Source, no network connections
Texas Advanced Computing Center	GoToBLAS			Open Source, no network connections
Grace Development Team	GRACE			No network connections
Free Software Foundation	gzip			Open Source, no network connections
SGI	INVENTORDev Kit		2008	See FlexNet Manager
Oracle, Inc.	Java	1.4.2	2003	Inherently Internet Protocol agnostic. See Java and IPv6 Applications article in IPv6 knowledge base
JPEG Group	JPEG library			Open Source
Free Software Foundation	libtool	Not applicable		Open Source
xmlsoft.org	libxml2			No network connections
Eric S. Raymond	libungif	Not applicable		Open Source, no network connections
Free Software Foundation	Midnight Commander			Open Source
Message Passing Interface (MPI) library www-unix.mcs.anl.gov/mpi/	MPICH-1.2			Each MPI library relies on support for IPv6 by both the operating system and batch queueing software. Support varies.
Message Passing Interface (MPI) library www-unix.mcs.anl.gov/mpi/	MPICH-2			See above comment

Message Passing Interface (MPI) library www-unix.mcs.anl.gov/mpi/	MPIlib			See above comment
EMC	Navisphere			Supports IPv6, but defaults to IPv4
Qlogic	Pathscale			Handled within the libraries of the OS, not an issue
www.cs.uoregon.edu/research/pdt/home.php	PDT			No network connections
IBM	PESSL			Handled within the libraries of the OS, not an issue
Portland Group, Inc.	PGI Compiler suite			See FlexNet Manager
www.zlib.net/pigz	pigz			No network connections
Parallel Virtual Machine (PVM) library www.netlib.org/pvm3/	PVMlib			Each PVM library relies on support for IPv6 by both the operating system and batch queueing software. Support varies.
PSTOOLKIT ORG	qprep			No Network Dependencies
Yukihiro "matz" Matsumoto	RUBY			No compatibility issue
www.scalasca.org/	SCALASCA			No network connections
QSW/Cray/SGI	SHMEM		9/5/2005	Support varies with MPI library used
www.swig.org/	swig			No network connections
Rogue Wave Software	Totalview			No Network Dependencies
Etnus, Inc.	Totalview Debugger		2008	See FlexNet Manager
valgrind.org/	Valgrind			No Network Dependencies
Xemacs Org	XEmacs	21.4.x	pre-1-Jan-2004	Open Source Uses system Sendmail, FTP, etc. utilities.
Glyp and Cog, LLC.	XPDF			No network connections
Groupe Bull	XPM			No network connections
Jean-loup Gailly/Mark Adler	zlib			No network connections
zsh.org/	zsh			No network connections

General Information about Third Party (COTS, GOTS, Open Source) Software				
Manufacturer, Vendor or Developer	Make, Model, or Series	First Version with IPv6 support	Date of Support	Comments or Additional Information
Dassault Systemes	ABAQUS		2008	See FlexNet Manager
Dassault Systemes	ABAQUS CAE		2008	See FlexNet Manager
abinit.org	ABINIT			Support varies with MPI library used
Lockheed Martin	ACAD	Not applicable		No network connections
Univ of Florida	ACES II	Not applicable		No network connections
SCM	ADF			No network connections
Lawrence Livermore National Laboratory	ALE3D	Not applicable		No network connections
Oxford Molecular	Amber			No network connections
JLR	Ansys		2008	See FlexNet Manager
ANSYS	ANSYS		2008	See FlexNet Manager
Terence Parr	ANTLR			No network connections
Cray	BLAS	Not applicable		No network connections
NCBI	BLAST+			No network connections
Julian Seward	bzip2	Not applicable		Open Source, no network connections
Enthought	Canopy			Support varies with Python version used
NASA AMES	Cart3D			No network connections
Metacomp Technologies	CFD++		2008	See FlexNet Manager
Ansys	CFX		2008	See FlexNet Manager

Accelrys	CHARMm		2008	See FlexNet Manager
NASA AMES	Chimera Grid Tools			No network connections
Cobalt Solutions	Cobalt	Not applicable		No network connections
CD-Adapco	Comet			No network connections
Chin Huang/Thomas Dickey	Cproto	Not applicable		Open Source, no network connections
Universita degli Studi di Torino	CRgraph	Not applicable		No network connections
Craft Tech	CRUNCH CFD			No network connections
Universita degli Studi di Torino	CRYSTAL	Not applicable		No network connections
Sandia National Laboratory	CTH	Not applicable		No network connections
Sandia National Laboratory	CUBIT	Not applicable		No network connections
Dalton	Dalton			No network connections
Free Software Foundation	DDD	Not applicable		Open Source, no network connections
Allinea	DDT			Support varies with MPI library used
Free Software Foundation	Deja Gnu	Not applicable		Open Source, no network connections
Bremen Center for Computational Materials Science	DFTB+			No network connections
Accelrys	Discovery Studio			See FlexNet Manager
Daresbury Laboratory	DL_Poly	Not applicable		No network connections
PNNL	ECCE			To our knowledge there should be no issues running in an IPv6 environment with the exception of a variable within the ECCE_HOME/apps/siteconfig/site_runtime file, which allows for direct socket connections. This variable by default is set not to use a socket connection, but thought we would mention it as it may break ECCE if for some reason a user edited the file and set it to use "socket".
Lawrence Livermore National Laboratory	EIGER	Not applicable		No network connections
NASA Langley	EM-Animate	Not applicable		No network connections
Free Software Foundation	Enscript	Not applicable		Open Source, no network connections
CEI	EnSight			At this point our position on IPv6 still remains unchanged. We will support IPv6 when we get sufficient user demand.
CEI	EnSight Gold			See above
CEI	EnVideo			See above
Enthought	EPD Python			Support varies with Python version used
Network Computing Services, Inc	EPIC			No network connections
Network Computing Services, Inc	EPICMPI			Support varies with MPI library used
epw.org.uk	EPW			No network connections
Don Libes/NIST	Expect	Not applicable		Open Source, no network connections
www.fft.w.org	FFTW			Support varies with MPI library used
Intelligent Light	FIELDVIEW		2008	See FlexNet Manager
Free Software Foundation	FLEX		2008	No network connections
Fluent Inc.	Fluent		2008	See FlexNet Manager
Fluent Inc.	Fluent: Gambit		2008	See FlexNet Manager
Fluent Inc.	Fluent: tgrid		2008	See FlexNet Manager
NASA Langley	FUN3D			No network connections
Iowa State University	GAMESS			There are no IPv6 dependencies in GAMESS
Aerosoft	GASP			The ElmAdminRLM license manager does not support IPv6. Run-time support varies with MPI library used.
Aerosoft	GASPEX			See above
Gaussian, Inc.	Gaussian	Not applicable		No network connections

Gaussian, Inc.	Gaussview	Not applicable		Neither GaussView nor Gaussian have any code which interacts directly with IPv6.
Grace Development Team	GRACE			No network connections
NSF	GrADS			No network connections
ECMWF	GRIBEX			There are no IPv6 dependencies
Pointwise	GRIDGEN		2008	See FlexNet Manager
PDC	GRIDPRO			No network connections
NASA Langley	gridtool	Not applicable		Open Source, no network connections
Altair	GridWorks			See FlexNet Manager
Groningen University	GROMACS			Support varies with MPI library used
Free Software Foundation	GSL (GNU Scientific Library)			No network connections
Free Software Foundation	GTK+	Not applicable		Open Source, no network connections
Awww.hdfgroup.org	HDF, -4, -5, -5-parallel, S	Not applicable	1994	
Altair	HyperMesh		2008	See FlexNet Manager
Altair	HyperWorks		2008	See FlexNet Manager
ICEM CFD Engineering	ICEM/CFD		2008	See FlexNet Manager
Research Systems Inc became a subsidiary of ITT VIS in 2004 which became Exelis Visual Information Solutions in 2011	IDL	Ver 6.1 not currently enabled Ver 5.3 enabled for Socket Routine ION needs to become enabled		Updates are not planned, and depend on market conditions
Boeing Computer Services	ILANS			No network connections
Imagemagick	ImageMagick	Not applicable		Open Source, no network connections
Cadence Design Systems	incr Tcl/Tk			Open Source
DSC Technologies Corporation	incr Widgets			Open Source
Accelrys	Insight II (Life Sciences)		2008	See FlexNet Manager
Accelrys	Insight II (Materials Sciences)		2008	See FlexNet Manager
ipython.org	IPython		2014	
Kitware, Inc	ITK	Not applicable	--	No network connections
Jonathan Payne	JOVE			No network connections
Sandia National Lab	LAMMPS			Open Source, support varies with MPI library used.
Univ of Tennessee - Knoxville	LAPACK	Not applicable		Open Source, no network connections
Thomas Esser	LaTeX (teTeX)	Not applicable		Open Source, no network connections
Gaussian, Inc.	Linda			No Network Connections
LSTC	LS-DYNA 3D			Support varies with the version of LSF used.
LSTC	LS-DYNA 3D MPI			Support varies with the version of LSF used.
LSTC	LS-PrePost			Support varies with the version of LSF used.
University of Kansas	LYNX	2.8.7	2009	Open Source
Wolfram Research	MATHEMATICA	version 7 and later support IPv6		
The MathWorks, Inc.	MATLAB		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Compiler		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Control Sys		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Fuzzy Logic		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Neural Net Toolbox		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Optimization		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Robust Toolbox		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Signal Toolbox		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: SIMULINK		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Spline Toolbox		2008	See FlexNet Manager
The MathWorks, Inc.	MATLAB: Statistics Toolbox		2008	See FlexNet Manager
matplotlib.org	matplotlib			Support varies with Python version used
Autodesk	Maya			License manager support since Mar 2011

MCNPX	MCNPX			No network connections
RSA Data Security	MD5	Not applicable		Open Source, no network connections
Carnegie Mellon University	mpack	Not applicable		Open Source, no network connections
Free Software Foundation	mpfr			Open Source, no network connections
MSC	MSC/Patran		2008	See FlexNet Manager
Accelrys	MSM Amorphous Cell		2008	See FlexNet Manager
Accelrys	MSM CASTEP		2008	See FlexNet Manager
Accelrys	MSM Discoverer		2008	See FlexNet Manager
Accelrys	MSM DMol3		2008	See FlexNet Manager
Accelrys	MSM Mesodyn		2008	See FlexNet Manager
University of Illinois	NAMD			No network connections
NCAR	NCAR Graphics Library			No network connections
NCAR	NCL			Runs on local machines, doesn't involve internet
Free Software Foundation	NCO (netCDF Operators)			Support depends on curl library OpenDAP client
David W. Pierce	NCView (netCDF Viewer)			Support depends on curl library OpenDAP client
Nelson H.F. Beebe	ndiff	Not applicable		Open Source, no network connections
Lawrence Livermore National Laboratory	NEC			No network connections
nedit.org	nedit			Not configured for server mode/remote file access so no plans to enable
Unidata Program Center	netCDF			Support depends on curl library OpenDAP client
Pacific Northwest National Library	NWChem			Runs on local machine, doesn't involve internet
Free Software Foundation	Octave			No network connections
TDDFT.org	Octopus			No network connections
OpenCFD Ltd.	OpenFOAM			Open Source, no network connections
open-mpi.org	OpenMPI		2009	
The OpenSSL Project	OpenSSL	0.9.8		Open Source
NASA AMES	OVERFLOW	Not applicable		No network connections
Orest Dubay	p4VASP			No network connections
Glenn Randers-Pehrson	PANGO			No network connections
University of Tennessee - Knoxville	PAPI	Not applicable		Open Source, no network connections
Numerical Algorithms Group	Parallel Tools		2008	See FlexNet Manager
Kitware	Paraview			No network connections
Free Software Foundation	Perl	version 5.14 and later support IPv6		
Argonne	PETSc	Not applicable		Support varies with MPI library used
University of Washington	PICO			No network connections
SAIC	Pioneer			No network connections
Free Software Foundation	pkg-config	Not applicable		Open Source, no network connections
Glenn Randers-Pehrson	PNG library			Open Source
Okino Computer Graphics, Inc.	Polytrans	Not applicable		No network connections
Sandia	Pronto3D			No dependencies in serial code, all versions. The parallel code uses MPI library which may have MPI dependencies.
Colorado Research Assoc.	PSToolkit	Not applicable		Uses underlying remote services, rcp, rsh, etc.
www-k3.ijs.si/kokalj/pwgui/	Pwgui			No network connections
pympi.sourceforge.net/	pyMPI			Support varies with Python version used.
Python Software Foundation	Python	2.4.1	Mar-05	
DEMOCRITOS National Simulation Center	Quantum Espresso			No network connections
Free Software Foundation	readline			Open Source
AFRL MSRC	safeftp	Not applicable		Uses underlying remote services Uses system FTP utility

Cray	ScaLAPACK			Open Source
NRL	SCTB			No network connections
Sandia	SEACAS/ACCESS			No network connections
Los Alamos National Laboratory	SESAME Library			No Network Connections
Sandia National Laboratory	SIERRA suite			No Network Connections
Mississippi State Univ/Dave Marcum	SolidMesh			No Network Connections
Florida State University	SPRNG	Not applicable		Open Source, no network connections
www.sqlite.org	SQLite			No Network Connections
CD-Adapco	STAR-CCM+			See FlexNet Manager
CD-Adapco	STAR-CD		2008	See FlexNet Manager
subversion.apache.org	Subversion			No network connections
crd-legacy.lbl.gov/~xiaoye/SuperLU/	SuperLU			Uses MPI for inter-processor communication. Support varies with MPI library used.
University of Oregon	TAU			When the program being instrumented uses MPI, Support varies with MPI library used.
Scriptics	Tcl/Tk	8.4.4 (via patch)	pre 1-jan-2004	Open Source
Christos Zoulas	tcsh	Not applicable		Open Source, no network connections
Tecplot, Inc. (formerly AMTEC Engineering)	TECPLOT, TECPLOT 360			No network connections
Amtec Engineering	Tecplot	Not applicable		No network connections
Thomas Esser	TeX (teTeX)	Not applicable		Open Source, no network connections
Free Software Foundation	texinfo	Not applicable		Open Source, no network connections
Sam Leffler	TIFF utilities			Open Source, no network connections
ISU	TINKER			There are no IPv6 dependencies
XYZ Scientific	TRUEGRID			TGLM is the license server. They feel it is IPv6 compatible.
Unidata	udunits			No network connections
Universitaet Wien	VASP	Not applicable		No network connections
Timothy Terriberry	VaspView	Not applicable		Open Source, no network connections
Bram Moolenaar	VIM	Not applicable		Open Source, no network connections
LLNL	VisIT			No network connections
Kitware	VTK			Open Source GUI. Not applicable.
www.wannier.org/	Wannier 90			No network dependencies
www.xdmf.org/	xdmf			Support varies with MPI library used.
Xemacs Org	XEmacs	21.4.x	pre-1-Jan-2004	Open Source Uses system Sendmail, FTP, etc. utilities.
Demaco/SAIC	XPATCH	Not applicable		No network connections
www.xcrysden.org/	XCrySDen			No network dependencies
Sandia	Zapotec	Not applicable		We do not believe we have any IPv6 issues.