

IPv6 Knowledge Base

IPv6 Product Information

Last Updated 8 December 2011

This IPv6 product information is divided into the following categories:

General Information about System and Application Development Products (Libraries, Compilers, Debuggers, et cetera)				
2.6 Information about specific System and Application Development Products				
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
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	C		2008	FlexNet
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
IBM	ESSL			Handled within the libraries of the OS, not an issue
Flexera Software Inc. www.flexerasoftware.com (previously Acrezzo, 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	FORTTRAN 77		2008	Handled within the libraries of the OS, not an issue
Intel	FORTTRAN 77			No compatibility issue
Sun	FORTTRAN 77 (Forte)			Handled within the libraries of the OS, not an issue
IBM	FORTTRAN 90			No compatibility issue
SGI	FORTTRAN 90		2008	Handled within the libraries of the OS, not an issue
Intel	FORTTRAN 90			No compatibility issue
Sun	FORTTRAN 90 (Forte)			Handled within the libraries of the OS, not an issue
Unspecified	FORTTRAN 95			Handled within the libraries of the OS, not an issue
Portland Group	Fortran Compiler		2008	FlexNet
Free Software Foundation	GCC			No Network Dependencies
GNU Project	GNU Compiler Suite			No Network Dependencies

SGI	INVENTORDev Kit		2008	FlexNet
JPEG Group	JPEG library			Open Source
Compaq/HP	KCC/Kf90			These are precompilers, and the target compilers are deemed not affected by IP addressing, therefore these would also not be affected.
Message Passing Interface (MPI) library www-unix.mcs.anl.gov/mpi/	MPiIib			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/	MHPCH-1.2			
Message Passing Interface (MPI) library www-unix.mcs.anl.gov/mpi/	MPICH-2			See above comment
EMC	Navisphere			Supports IPv6, but defaults to IPv4
IBM	PESSL			Handled within the libraries of the OS, not an issue
IBM	pssp			Tolerates IPv6, but only uses IPv6
Parallel Virtual Machine (PVM) library www.netlib.org/pvm3/	PVMiib			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
Yukihiko "matz" Matsumoto	RUBY			No compatibility issue
QSW/Cray/SGI	SHMEM		9/5/2005	Support varies with MPI library used
Etnus, Inc.	Totalview Debugger		2008	FlexNet

General Information about Third Party (COTS, GOTS, Open Source) Software				
2.7 Information about specific Applications Products				
Manufacturer, Vendor or Developer	Make, Model, or Series	First Version with IPv6 support	Date of Support	Comments or Additional Information
Dassault Systemes	ABAQUS		2008	FlexNet
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	FlexNet
ANSYS	ANSYS		2008	FlexNet
Terence Parr	ANTLR			No network connections
PSTOOLKIT ORG	archive	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
Cray	BLAS	Not applicable		No network connections
NCBI	BLAST+			No network connections
Julian Seward	bzip2	Not applicable		Open Source, no network connections
NASA AMES	Cart3D			No network connections
Metacomp Technologies	CFD++		2008	FlexNet
Ansys	CFX		2008	FlexNet

Accelrys	CHARMm		2008	FlexNet
NASA AMES	Chimera Grid Tools			No network connections
Craft Tech	CRUNCH CFD			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
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
Concurrent Versions System	CVS	Not applicable		No network connections
Free Software Foundation	DDD	Not applicable		Open Source, no network connections
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			FlexNet
Daresbury Laboratory	DL_Poly	Not applicable		No network connections
PNL	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
Free Software Foundation	Emacs	Not applicable		Open Source, uses underlying interfaces Uses system Sendmail, FTP, etc. utilities
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			At this point our position on IPv6 still remains unchanged. We will support IPv6 when we get sufficient user demand.
CEI	EnVideo			At this point our position on IPv6 still remains unchanged. We will support IPv6 when we get sufficient user demand.
Network Computing Services, Inc	EPIC			No network connections
Network Computing Services, Inc	EPICMPI			Support varies with MPI library used
Don Libes/NIST	Expect	Not applicable		Open Source, no network connections
NOAA	Ferret			Support depends on OpenDAP configuration
Intelligent Light	FIELDVIEW		2008	FlexNet
Free Software Foundation	FLEX		2008	No network connections
Fluent Inc.	Fluent		2008	FlexNet
Fluent Inc.	Fluent: Gambit		2008	FlexNet
Fluent Inc.	Fluent: tgrid		2008	FlexNet
Iowa State University	GAMESS			There are no IPv6 dependencies in GAMESS
Aerosoft	GASP			The ElmAdmin license manager does not support IPv6. Run-time support varies with MPI library used

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
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	Ghostscript	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			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
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 plot	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
Grace Development Team	GRACE			No network connections
NSF	GrADS			No network connections
ECMWF	GRIBEX			There are no IPv6 dependencies
Pointwise	GRIDGEN		2008	FlexNet
PDC	GRIDPRO			No network connections
NASA Langley	gridtool	Not applicable		Open Source, no network connections
Altair	GridWorks			FlexNet
Groningen University	GROMACS			Support varies with MPI library used
Free Software Foundation	GTK+	Not applicable		Open Source, no network connections
Free Software Foundation	gzip	Not applicable		Open Source, no network connections
NCSA	HDF, -4, -5, -5-parallel	Not applicable		No network connections
Altair	HyperMesh		2008	FlexNet
Altair	HyperWorks		2008	FlexNet
ICEM CFD Engineering	ICEM/CFD		2008	FlexNet
Research Systems Inc became a subsidiary of ITT in 2004	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	FlexNet
Accelrys	Insight II (Materials Sciences)		2008	FlexNet
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
IBM	LAPI			Support varies with MPI library used
Thomas Esser	LaTeX (teTeX)	Not applicable		Open Source, no network connections
Free Software Foundation	libtool	Not applicable		Open Source
Eric S. Raymond	libungif	Not applicable		Open Source, no network connections
LSTC	LS-DYNA 3D			Proprietary LM, no plans to support at this time
LSTC	LS-DYNA 3D MPI			Proprietary LM, no plans to support at this time
University of Kansas	LYNX	2.8.7	2009	Open Source, tested in TADE, IPv6 enabled
Wolfram Research	MATHEMATICA	version 7 and later support IPv6		
The MathWorks, Inc.	MATLAB		2008	FlexNet
The MathWorks, Inc.	MATLAB: Compiler		2008	FlexNet
The MathWorks, Inc.	MATLAB: Control Sys Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: Fuzzy Logic Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: Neural Net Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: Optimization Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: Robust Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: Signal Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: SIMULINK		2008	FlexNet
The MathWorks, Inc.	MATLAB: Spline Toolbox		2008	FlexNet
The MathWorks, Inc.	MATLAB: Statistics Toolbox		2008	FlexNet
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
MSC	MSC/Patran		2008	FlexNet
Accelrys	MSM Amorphous Cell		2008	FlexNet
Accelrys	MSM CASTEP		2008	FlexNet
Accelrys	MSM Discoverer		2008	FlexNet
Accelrys	MSM DMol3		2008	FlexNet
Accelrys	MSM Mesodyn		2008	FlexNet
University of Illinois	NAMD			No network connections
NCAR	NCL			Usually ran on local machines, doesn't involve internet
Free Software Foundation	NCO (netCDF Operators)			Support depends on curl library OpenDAP client configuration
David W. Pierce	NCView (netCDF Viewer)			Support depends on curl library OpenDAP client configuration
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 configuration
Pacific Northwest National Library	NWChem			We believe NWChem is fine given that the code usually runs on the network of a given machine and not between machines. Hence, NWChem is compatible
Free Software Foundation	Octave			No network connections
TDDFT.org	Octopus			No network connections
OpenCFD Ltd.	OpenFOAM			Open Source, no network connections
The OpenSSL Project	OpenSSL	0.9.8		Open Source
NASA AMES	OVERFLOW	Not applicable		No network connections
Orest Dubai	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	FlexNet
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
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			Depends on system MPI library
NRL	SCTB			No network connections
Sandia	SEACAS/ACCESS			No network connections
Florida State University	SPRNG	Not applicable		Open Source, no network connections
CD-Adapco	STAR-CCM+			FlexNet
CD-Adapco	STAR-CD		2008	FlexNet
CollabNet	Subversion			No network connections
Lawrence Berkeley National Laboratory	SuperLU			Sequential SuperLU is written in C and requires only a C compiler. Parallel SuperLU (SuperLU_DIST) is in C and 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

AMTEC	TECPLOT, TECPLOT 360			I believe IPv6 will not affect Tecplot.
Amtec Engineering	Tecplot CFD Analyzer	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 Terribery	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.
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
Glyp and Cog, LLC.	XPDF			No network connections
Groupe Bull	XPM			No network connections
Sandia	Zapotec	Not applicable		We do not believe we have any IPv6 issues.
Jean-loup Gailly/Mark Adler	zlib			No network connections