

Altair HyperWorks 2017

Platform Support

Version: 1.2

The following table lists the platforms, operating systems, and processors supported by Altair HyperWorks 2017. This includes 2017 solver packages.

Platforms			Altair HyperWorks 2017	
OS	Version	Architecture	GUI Products	Solvers
Windows	7/8.1/10	x86_64	YES	YES
Linux**	RHEL and CentOS 6.6/7.2 SLES 11 SP3/12 SP1	x86_64	YES	YES

SLES=SUSE Linux Enterprise Server
RHEL=Red Hat Enterprise Linux

Products Included in HyperWorks Suite

1. HyperWorks Desktop Applications
2. HyperWorks Solvers
3. AcuSolve (Windows and Linux only)
4. Virtual Wind Tunnel (Windows only)
5. SolidThinking (Windows and Mac OS X only)
6. SimLab (Windows and Linux only)
7. FEKO (Windows and Linux only)
8. HyperXtrude (Windows only)

Added Platforms in HyperWorks 2017

1. Red Hat Enterprise Linux 7.2
2. CentOS Linux 7.2
3. SUSE Linux Enterprise Server 12 Service Pack 1

Dropped Platforms in HyperWorks 2017

1. Mac OS X 64-bit (all)
2. Red Hat Enterprise Linux 5.9
3. KDE window manager support on Linux platforms

Compiler Support for HyperWorks 2017

1. On Windows: Visual Studio 2010 Service Pack 1 (10.0.40219.1 SP1Rel)
2. On Linux: GCC version 4.7.2 20121015 (Red Hat 4.7.2-5) (GCC)

**Check system requirements for Linux package details

HyperWorks 2017 may install and run on other non-supported Linux distributions but Altair does not test, certify, verify or warrant the reliability of the products on these platforms.

- a) Altair products are tested on Gnome window managers.
- b) Xen kernels are currently not supported kernels for Altair HyperWorks 2017 applications.

Minimum Operating System Requirements Table

System/Hardware Information	Linux	Windows
Operating Systems	RHEL/CentOS 6.6 (64-bit) RHEL/CentOS 7.2 (64-bit) SLES 11 SP3 (64-bit) SLES 12 SP1 (64-bit)	7/8.1/10 (64-bit)
Memory	4 GB (higher recommended)	4 GB (higher recommended)
Complete Install Disk Space ~6 GB temporary disk space required for full HyperWorks 2017 install. (Applications + Help Files).	Linux 64-bit -> 20 GB TAR package required for installation to extract files on Linux.	Windows 64-bit -> 27 GB
Graphics Hardware	OpenGL 3D graphics accelerator compatible with OpenGL 3.2 or higher True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 2 GB or higher dedicated RAM *Only AMD and NVIDIA GPUs supported (Intel chipsets are not supported)	OpenGL 3D graphics accelerator compatible with OpenGL 3.2 or higher True color (24-bit) support Install/update to most recent OpenGL patches/drivers 1680x1050 screen resolution or higher for optimal user experience 2 GB or higher dedicated RAM *Only AMD and NVIDIA GPUs supported (Intel chipsets are not supported)
*Browsers/Online Help (plug-in)	Firefox NOTE: Java Plug-in required	Firefox Internet Explorer 8 (or higher) ActiveX Plug-in required **Does not support "Protected Mode" under Internet Explorer

***NOTE:** Local help installations may require modifying the browser to allow running active content from the hard disk. For search capability, the users should have a browser supporting either ActiveX (IE on Windows) or Java Environment plugin installed on their machine.

****NOTE:** HyperWorks Graphical User Interface (GUI) products (HyperMesh, HyperView, HyperGraph, MotionView, etc), when used with Ultra High Definition (UHD) displays consisting of 1920x1200 or higher (for example, 3200x1800, 3840x2160 or 4096x2160), may result in graphical problems. Some GUI items may not be displayed correctly, some functionality such as image captures may not capture images correctly, and window selection may become an issue. HyperWorks 2017 does not officially support these high screen resolutions. We suggest setting your resolution to 1920x1200 or lower to resolve or minimize these types of issues from occurring. Our development teams are aware of these problems and are working closely with the hardware vendors to find a quick resolution to the issue.

Linux System Requirements

This table includes the 32-bit and 64-bit packages needed for running HyperWorks on a 64-bit RedHat Enterprise Linux operating system. (Please use equivalent packages on SUSE Linux Enterprise Server)

32-bit (compatibility)	64-bit (native)	
glibc-2.5-107	glibc-2.5-107	libgomp-4.4.7-1
libgcc-4.1.2-54	e2fsprogs-libs-1.39-35	libstdc++-4.1.2-54
libICE-1.0.1-2.1	expat-1.95.8-11	compat-libf2c-34-3.4.6-4.1
libSM-1.0.1-3.1	libgcc-4.1.2-54	libxml2-2.6.26-2.1.15
libXt-1.0.2-3.2	mesa-libGL-6.5.1-7.10	libXcursor-1.1.7-1.2
libstdc++-4.1.2-54	mesa-libGLU-6.5.1-7.10	libXfixes-4.0.1-2.1
	libICE-1.0.1-2.1	libXinerama-1.0.1-2.1
	libSM-1.0.1-3.1	libXrandr-1.1.1-3.3
	libX11-1.0.3-11	atk-1.12.2-1
	libXau-1.0.1-3.1	cairo-1.2.4-5
	libXdmcp-1.0.1-2.1	gtk2-2.10.4-29
	libXext-1.0.1-2.1	libjpeg-6b-37
	libXft-2.1.10-1.1	lcms-1.18-0.1
	libXi-1.0.1-4	libmng-1.0.9-5.1
	libXmu-1.0.2-5	pango-1.14.9-8
	libXrender-0.9.1-3.1	libpng-1.2.10-17
	libXScrnSaver-1.1.0-3.1	qt-3.3.6-26
	libXt-1.0.2-3.2	bash-3.2-32
	libXtst-1.0.1-3.1	elfutils-libs-0.137-3
	libXxf86vm-1.0.1-3.1	elfutils-libelf-0.137-3
	bzip2-libs-1.0.3-6	xorg-x11-server-Xvfb-1.1.1-48.100
	libdrm-2.0.2-1.1	xorg-x11-server-Xorg-1.1.1-48.100
	fontconfig-2.4.1-7	xorg-x11-server-Xnest-1.1.1-48.100
	freetype-2.2.1-31	xorg-x11-server-utils-7.1-5

There maybe other relevant packages like Fonts, and X11 packages needed. Below are the Fonts needed for HyperWorks Fonts - Scalable fonts also required for the following font types:

Helvetica, Times, New Century SchoolBook, B&H Luxi Sans/Serif, Typeface, Bitstream Vera Sans/Serif, ISO8859-1 (75dpi/100dpi), TrueType and Utopia.