



Message Passing Interface Support for Parallel Computing

Release 18.0

	ANSYS Products	Supported MPI	Interconnect	Notations	
64-bit Windows	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 8.1 <input checked="" type="checkbox"/> Windows 10	DANSYS* Mechanical	IBM Spectrum MPI 9.1.4 Intel MPI 5.1.3	Consult the MPI vendor for supported interconnect hardware. Myrinet interconnects are not supported.	* Distributed ANSYS (including AUTODYN and Explicit STR) See entry 139387 in the ANSYS 18.0 Known Issues & Limitations document specific to Windows HPC Server 2008.
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 8.1 <input checked="" type="checkbox"/> Windows 10	ANSYS Fluent	IBM Spectrum MPI 9.1.4 Intel MPI 5.1.3	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 8.1 <input checked="" type="checkbox"/> Windows 10	ANSYS CFX	IBM Spectrum MPI 9.1.4 Intel MPI 5.1.3	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 8.1 <input checked="" type="checkbox"/> Windows 10	ANSYS HFSS, Maxwell & Q3D Extractor	IBM Spectrum MPI 9.1.4 Intel MPI 4.1.3	Consult the MPI vendor for supported interconnect hardware. Myrinet interconnects are not supported.	
Windows HPC Server 2008 / 2012	<input checked="" type="checkbox"/> HPC / Windows Server 2008 R2 <input checked="" type="checkbox"/> Windows Server 2012 R2	DANSYS* Mechanical	Microsoft HPC Pack (MS MPI)	Consult the MPI vendor for supported interconnect hardware. Myrinet interconnects are not supported.	* Distributed ANSYS (including AUTODYN and Explicit STR) See entry 139387 in the ANSYS 18.0 Known Issues & Limitations document specific to Windows HPC Server 2008.
	<input checked="" type="checkbox"/> HPC / Windows Server 2008 R2 <input checked="" type="checkbox"/> Windows Server 2012 R2	ANSYS Fluent	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> HPC / Windows Server 2008 R2 <input checked="" type="checkbox"/> Windows Server 2012 R2	ANSYS CFX	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> HPC / Windows Server 2008 R2 <input checked="" type="checkbox"/> Windows Server 2012 R2	ANSYS HFSS, Maxwell & Q3D Extractor	IBM Spectrum MPI 9.1.4 Intel MPI 4.1.3	Consult the MPI vendor for supported interconnect hardware. Myrinet interconnects are not supported.	

	ANSYS Products	Supported MPI	Interconnect	Notations	
64-bit Linux	<input checked="" type="checkbox"/> Red Hat 6.7 / 6.8 <input checked="" type="checkbox"/> Red Hat 7.1 / 7.2 <input checked="" type="checkbox"/> SLES / SLED 11 (SP3-SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP0) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1) <input checked="" type="checkbox"/> CentOS 7.2	DANSYS* Mechanical	IBM Spectrum MPI 9.1.4 Intel MPI 5.1.3	Consult the MPI vendor for supported interconnect hardware. Myrinet interconnects are not supported.	* Distributed ANSYS (including AUTODYN and Explicit STR) ** Support is limited to local version with Myrinet support. *** Cray MPI is supported on all Cray XE and Cray XC systems Omni-Path Architecture functions with OFED 10.2 & higher *** Cray MPI is supported on all Cray XE and Cray XC systems Omni-Path Architecture functions with OFED 10.2 & higher
	<input checked="" type="checkbox"/> Red Hat 6.7 / 6.8 <input checked="" type="checkbox"/> Red Hat 7.1 / 7.2 <input checked="" type="checkbox"/> SLES / SLED 11 (SP3-SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP0) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1) <input checked="" type="checkbox"/> CentOS 7.2	ANSYS Fluent	IBM Spectrum MPI 9.1.4 Intel MPI 5.1.3 OpenMPI 1.6.5** Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	
	<input checked="" type="checkbox"/> Red Hat 6.7 / 6.8 <input checked="" type="checkbox"/> Red Hat 7.1 / 7.2 <input checked="" type="checkbox"/> SLES / SLED 11 (SP3-SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP0) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1) <input checked="" type="checkbox"/> CentOS 7.2	ANSYS CFX	Intel MPI 5.1.3 IBM Spectrum MPI 9.1.4 Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	
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