



Message Passing Interface Support for Parallel Computing

Release 19.0

	ANSYS Products	Supported MPI	Interconnect	Notations	
64-bit Windows	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	DANSYS* Mechanical	IBM Platform MPI 9.1.4 Intel MPI 2017.3.210	Consult the MPI vendor for supported interconnect hardware.	* Distributed ANSYS (including AUTODYN and Explicit STR)
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	ANSYS Fluent	IBM Platform MPI 9.1.4 Intel MPI 2017.3.210	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	ANSYS CFX	IBM Platform MPI 9.1.4 Intel MPI 2017.3.210	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	ANSYS Forte	Intel MPI 2017.3.210	Consult the MPI vendor for supported interconnect hardware.	
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	ANSYS HFSS, Maxwell & Q3D Extractor	IBM Platform MPI 9.1.4 Intel MPI 4.1.3	Consult the MPI vendor for supported interconnect hardware.	
Windows Server 2012	<input checked="" type="checkbox"/> Windows Server 2012 R2	DANSYS* Mechanical	Microsoft HPC Pack (MS MPI)	Consult the MPI vendor for supported interconnect hardware.	* Distributed ANSYS (including AUTODYN and Explicit STR)
	<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"/> Windows Server 2012 R2	ANSYS CFX	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows Server 2012 R2	ANSYS Forte	Intel MPI 2017 3.210	Consult the MPI vendor for supported interconnect hardware.	
	<input checked="" type="checkbox"/> Windows Server 2012 R2	ANSYS HFSS, Maxwell & Q3D Extractor	IBM Platform MPI 9.1.4 Intel MPI 4.1.3	Consult the MPI vendor for supported interconnect hardware.	

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64-bit Linux	<input checked="" type="checkbox"/> Red Hat 6.8 / 6.9 <input checked="" type="checkbox"/> Red Hat 7.2 / 7.3 <input checked="" type="checkbox"/> SLES / SLED 11 (SP3 - SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1 - SP2) <input checked="" type="checkbox"/> CentOS 7.3	DANSYS* Mechanical	IBM Platform MPI 9.1.4 Intel MPI 2017.3.196	Consult the MPI vendor for supported interconnect hardware.	* Distributed ANSYS (including AUTODYN and Explicit STR)
	<input checked="" type="checkbox"/> Red Hat 6.8 / 6.9 <input checked="" type="checkbox"/> Red Hat 7.2 / 7.3 <input checked="" type="checkbox"/> SLES / SLED 11 (SP 3- SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1 - SP2) <input checked="" type="checkbox"/> CentOS 7.3	ANSYS Fluent	IBM Platform MPI 9.1.4 Intel MPI 2017.3.196 OpenMPI 1.6.5** Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	** Support is limited to local version with Myrinet support *** Cray MPI is supported on all Cray XE and XC systems; Linux versions require a minimum of Cray Linux Environment 6.0 update 03 (based on SUSE Linux Enterprise Server 12); MPT versions require Cray MPT 7.x default for Fluent, and Cray MPT 5.x for Fluent with special flags Omni-Path Architecture functions with OFED 10.2 & higher
	<input checked="" type="checkbox"/> Red Hat 6.8 / 6.9 <input checked="" type="checkbox"/> Red Hat 7.2 / 7.3 <input checked="" type="checkbox"/> SLES / SLED 11 (SP3 - SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1 - SP2) <input checked="" type="checkbox"/> CentOS 7.3	ANSYS CFX	Intel MPI 2017.3.196 IBM Platform MPI 9.1.4 Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	*** Cray MPI is supported on all Cray XE and Cray XC systems: Linux versions require a minimum of Cray Linux Environment 6.0 update 03 (based on SUSE Linux Enterprise Server 12); MPT versions require Cray MPT 7.x default for CFX. Omni-Path Architecture functions with OFED 10.2 & higher
	<input checked="" type="checkbox"/> Red Hat 6.8 / 6.9 <input checked="" type="checkbox"/> Red Hat 7.2 / 7.3 <input checked="" type="checkbox"/> SLES / SLED 11 (SP3 - SP4) <input checked="" type="checkbox"/> SLES / SLED 12 (SP1 - SP2) <input checked="" type="checkbox"/> CentOS 7.3	ANSYS Forte	Intel MPI 2017.3.196	Consult the MPI vendor for supported interconnect hardware.	
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