



Message Passing Interface Support for Parallel Computing

Release 2019 R1

	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 (default)	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 (default) Intel MPI 2018.3.210 MS-MPI v9.0.1 ***	Protocols are supported for GIGE and Infiniband interconnects.	*** :Limited to shared memory runs
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	ANSYS CFX	IBM Platform MPI 9.1.4 Intel MPI 2018.3.210 (default)	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows 7 <input checked="" type="checkbox"/> Windows 10	ANSYS Forte	Intel MPI 2018.4.274	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 (default) Intel MPI 2018.1	Consult the MPI vendor for supported interconnect hardware.	
Windows Server 2016	<input checked="" type="checkbox"/> Windows Server 2016**	DANSYS* Mechanical	Microsoft HPC Pack (MS MPI)	Consult the MPI vendor for supported interconnect hardware.	* Distributed ANSYS (including AUTODYN and Explicit STR) ** Requires HPC pack 2016 update 1
	<input checked="" type="checkbox"/> Windows Server 2016	ANSYS Fluent	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	
	<input checked="" type="checkbox"/> Windows Server 2016**	ANSYS CFX	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	** Requires HPC pack 2016 update 1
	<input checked="" type="checkbox"/> Windows Server 2016	ANSYS Forte	Intel MPI 2018 4.274	Consult the MPI vendor for supported interconnect hardware.	
	<input checked="" type="checkbox"/> Windows Server 2016**	ANSYS HFSS, Maxwell & Q3D Extractor	IBM Platform MPI 9.1.4 (default) Intel MPI 2018.1	Consult the MPI vendor for supported interconnect hardware.	** Requires HPC pack 2016 update 1

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64-bit Linux	<input checked="" type="checkbox"/> Red Hat 6.9 / 6.10 <input checked="" type="checkbox"/> Red Hat 7.3 / 7.4 / 7.5 <input checked="" type="checkbox"/> SLES / SLED 12 (SP2, SP3) <input checked="" type="checkbox"/> CentOS 7.3 / 7.4 / 7.5	DANSYS* Mechanical	IBM Platform MPI 9.1.4 Intel MPI 2017.3.196 (default)	Consult the MPI vendor for supported interconnect hardware.	* Distributed ANSYS (including AUTODYN and Explicit STR)
	<input checked="" type="checkbox"/> Red Hat 6.9 / 6.10 <input checked="" type="checkbox"/> Red Hat 7.3 / 7.4 / 7.5 <input checked="" type="checkbox"/> SLES / SLED 12 (SP2, SP3) <input checked="" type="checkbox"/> CentOS 7.3 / 7.4 / 7.5	ANSYS Fluent	IBM Platform MPI 9.1.4 (default) Intel MPI 2018.3.210** OpenMPI 3.1.2 Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	** For Omni-Path architecture, Omni-Path software 10.2 or higher is recommended, and Intel MPI is preferred. *** 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.
	<input checked="" type="checkbox"/> Red Hat 6.9 / 6.10 <input checked="" type="checkbox"/> Red Hat 7.3 / 7.4 / 7.5 <input checked="" type="checkbox"/> SLES / SLED 12 (SP2, SP3) <input checked="" type="checkbox"/> CentOS 7.3 / 7.4 / 7.5	ANSYS CFX	IBM Platform MPI 9.1.4 Intel MPI 2018.3.210** (default) Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	** For Omni-Path architecture, Omni-Path software 10.2 or higher is recommended, and Intel MPI is preferred. *** 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.
	<input checked="" type="checkbox"/> Red Hat 6.9 / 6.10 <input checked="" type="checkbox"/> Red Hat 7.3 / 7.4 / 7.5 <input checked="" type="checkbox"/> SLES / SLED 12 (SP2, SP3) <input checked="" type="checkbox"/> CentOS 7.3 / 7.4 / 7.5	ANSYS Forte	Intel MPI 2018.4.274	Consult the MPI vendor for supported interconnect hardware.	
	<input checked="" type="checkbox"/> Red Hat 6.9 / 6.10 <input checked="" type="checkbox"/> Red Hat 7.3 / 7.4 / 7.5 <input checked="" type="checkbox"/> SLES / SLED 12 (SP2, SP3) <input checked="" type="checkbox"/> CentOS 7.3 / 7.4 / 7.5	ANSYS HFSS, Maxwell & Q3D Extractor	IBM Platform MPI 9.1.4 (default) Intel MPI 2018.1	Consult the MPI vendor for supported interconnect hardware.	