Message Passing Interface Support for Parallel Computing

Release 19.1

		ANSYS Products	Supported MPI	Interconnect	Notations
64-bit Windows	☑ Windows 7 ☑ 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)
	☑ Windows 7 ☑ Windows 10	ANSYS **Fluent**	IBM Platform MPI 9.1.4 (default) Intel MPI 2017.3.210	Protocols are supported for GIGE and Infiniband interconnects.	
	☑ Windows 7 ☑ Windows 10	ANSYS **CFX**	IBM Platform MPI 9.1.4 Intel MPI 2017.3.210 (default)	Protocols are supported for GIGE and Infiniband interconnects.	
	☑ Windows 7 ☑ Windows 10	ANSYS **Forte**	Intel MPI 2017.3.210 (default)	Consult the MPI vendor for supported interconnect hardware.	
	☑ Windows 7 ☑ Windows 10	ANSYS **HFSS**, **Maxwell & Q3D Extractor**	IBM Platform MPI 9.1.4 (default) Intel MPI 4.1.3	Consult the MPI vendor for supported interconnect hardware.	
Windows Servers 2012 & 2016	☑ Windows Server 2012 R2 ☑ 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
	☑ Windows Server 2012 R2 ☑ Windows Server 2016**	ANSYS **Fluent**	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	** Requires HPC pack 2016 update 1
	☑ Windows Server 2012 R2 ☑ Windows Server 2016**	ANSYS **CFX**	Microsoft HPC Pack (MS MPI)	Protocols are supported for GIGE and Infiniband interconnects.	** Requires HPC pack 2016 update 1
	☑ Windows Server 2012 R2 ☑ Windows Server 2016**	ANSYS **Forte**	Intel MPI 2017 3.210 (default)	Consult the MPI vendor for supported interconnect hardware.	** Requires HPC pack 2016 update 1
	☑ Windows Server 2012 R2 ☑ Windows Server 2016**	ANSYS **HFSS**, **Maxwell** & **Q3D Extractor**	IBM Platform MPI 9.1.4	Consult the MPI vendor for supported interconnect hardware.	** Requires HPC pack 2016 update 1

		ANSYS Products	Supported MPI	Interconnect	Notations
64-bit Linux	☑ Red Hat 6.8 / 6.9 ☑ Red Hat 7.2 / 7.3/ 7.4 ☑ SLES / SLED 11 (SP3 - SP4) ☑ SLES / SLED 12 (SP1 - SP3) ☑ CentOS 7.3 ☑ CentOS 7.4	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)
	☑ Red Hat 6.8 / 6.9 ☑ Red Hat 7.2 / 7.3 / 7.4 ☑ SLES / SLED 11 (SP 3- SP4) ☑ SLES / SLED 12 (SP1 - SP3) ☑ CentOS 7.3 ☑ CentOS 7.4	ANSYS **Fluent**	IBM Platform MPI 9.1.4 (default) Intel MPI 2017.3.196** Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	** Preferred for Omni-Path Architecture; functions with OFED 10.2 & higher *** 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.
	☑ Red Hat 6.8 / 6.9 ☑ Red Hat 7.2 / 7.3 / 7.4 ☑ SLES / SLED 11 (SP3 - SP4) ☑ SLES / SLED 12 (SP1 - SP3) ☑ CentOS 7.3 ☑ CentOS 7.4	ANSYS **CFX**	IBM Platform MPI 9.1.4 Intel MPI 2017.3.196 (default) Cray MPI***	Protocols are supported for GIGE and Infiniband interconnects, including Omni-Path fabric.	Omni-Path Architecture; functions with OFED 10.2 & higher *** 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.
	☑ Red Hat 6.8 / 6.9 ☑ Red Hat 7.2 / 7.3 / 7.4 ☑ SLES / SLED 11 (SP3 - SP4) ☑ SLES / SLED 12 (SP1 - SP3) ☑ CentOS 7.3 ☑ CentOS 7.4	ANSYS **Forte**	Intel MPI 2017.3.196 (default)	Consult the MPI vendor for supported interconnect hardware.	
	☑ Red Hat 6.8 / 6.9 ☑ Red Hat 7.2 / 7.3 / 7.4 ☑ SLES / SLED 11 (SP3-SP4) ☑ SLES / SLED 12 (SP1 - SP3) ☑ CentOS 7.3 ☑ CentOS 7.4	ANSYS **HFSS**, **Maxwell** & **Q3D Extractor**	IBM Platform MPI 9.1.4 (default) Intel MPI 4.1.3	Consult the MPI vendor for supported interconnect hardware.	