



# Message Passing Interface Support for Parallel Computing

## Release 2024 R2

### Axioms

When using Microsoft HPC Pack, Windows Server 2019 should be used with HPC Pack 2019.

Some products may fail to start on some RHEL 8.6 systems due to an incompatibility of Intel MPI with specific Linux kernel versions.

### Announcements

2024 R1 was the last release to support Intel MPI 2019.10 for Speos.

		Ansys Forming	CFX	Mechanical	Mechanical APDL	HFSS, Maxwell, Q3D Extractor, & Siwave	Fluent	Polyflow	Forte	LS-DYNA, LS-OPT, LS-PrePost, & LS-TaSC	Lumerical	EnSight	Speos
Windows 10 & 11	Intel MPI version(s):	2019.6	2021.8	2021.10	2021.11	<b>2021.8</b> 2018.3	2021.8	2021.8	<b>2021.11</b> 2018.3	2019.6	2019.10	<b>2021.11</b> 2018.3	<b>2021.8</b> 2018.3
	MS MPI version(s):	10.1	10.1		10.1	10.0	<b>10.1**</b>			10.1	10.1		10.1
Windows Server	Intel MPI version(s):		2021.8	2021.10	2021.11	<b>2021.8</b> 2018.3		2021.8	<b>2021.11</b> 2018.3	2019.6	2019.10	<b>2021.11</b> 2018.3	<b>2021.8</b> 2018.3
	MS HPC Packs		2019*		2019*	2019*	2019*			2019*			2019***
Linux	Intel MPI version(s):	2018.3	2021.11	2021.10	2021.11	<b>2021.8</b> 2018.3	2021.11	2021.11	<b>2021.11</b> 2018.3	2021.10	2019.10	<b>2021.11</b> 2018.3	<b>2021.8</b> 2018.3
	Open MPI version(s):	4.0.5	4.0.5		4.0.5	5.0 (beta)	4.0.5			4.0.5	4.0.5	4.0.5	4.0.5

\* installs MS MPI 10.1

\*\* Used as the default MPI when running in shared memory on Windows systems with more than 64 logical cores.

\*\*\* 2019 Update 1 on Windows Server 2019, Update 2 on Windows Server 2022

default in **bold**