

Microsoft MPI

Microsoft MPI (MS-MPI) is a Microsoft implementation of the [Message Passing Interface standard](#) for developing and running parallel applications on the Windows platform.

MS-MPI offers several benefits:

- Ease of porting existing code that uses [MPICH](#).
- Security based on Active Directory Domain Services.
- High performance on the Windows operating system.
- Binary compatibility across different types of interconnectivity options.

MS-MPI downloads

The following are current downloads for MS-MPI:

- [MS-MPI v7](#) (new!) - see [Release notes](#)
- [Debugger for MS-MPI Applications with HPC Pack 2012 R2](#)

Earlier versions of MS-MPI are available from the [Microsoft Download Center](#).

Community resources

- [Windows HPC MPI Forum](#)
- [Contact the MS-MPI Team](#)

Microsoft high performance computing resources

- Featured tutorial: [How to compile and run a simple MS-MPI program](#)
- Featured guide: [Set up a Windows RDMA cluster with HPC Pack and A8 and A9 instances to run MPI applications](#)
- [Microsoft High Performance Computing for Developers](#)
- [Microsoft HPC Pack \(Windows HPC Server\) Technical Library](#)
- [Azure HPC Scenarios](#)

Related topics

[MPI Reference](#)