Windows

* 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.

<https://docs.microsoft.com/en-us/message-passing-interface/microsoft-mpi>

Download Microsoft MPI

<https://www.microsoft.com/en-us/download/details.aspx?id=57467>

* **To install on a workstation computer:** 
  1. Run MSMpiSetup.exe or msmpisdk.msi..
  2. Follow the steps in the installation wizard.

**Visual Studio**

[**https://docs.microsoft.com/en-us/archive/blogs/windowshpc/how-to-compile-and-run-a-simple-ms-mpi-program**](https://docs.microsoft.com/en-us/archive/blogs/windowshpc/how-to-compile-and-run-a-simple-ms-mpi-program)

**Other distributions**

* MPICH

MPICH is a high-performance and widely portable implementation of the Message Passing Interface (MPI) standard (MPI-1, MPI-2 and MPI-3).

[**https://www.mpich.org**](https://www.mpich.org)

* **Open MPI**

[**https://www.open-mpi.org/software/ompi/v4.0/**](https://www.open-mpi.org/software/ompi/v4.0/)

**Open-MPI**

**Mac**

brew install open-mpi

...

<https://www.open-mpi.org/software/ompi/v2.0/>

> tar xf openmpi-2.0.2.tar

> cd openmpi-2.0.2/

> ./configure --prefix=$HOME/opt/usr/local

> make all

> make install

Most **Linux** distributions already have an openmpi package installed.