



Installing Intel® oneAPI Components via Anaconda

This page provides general instructions on installing the Intel® oneAPI packages via the Conda package manager.

For additional installation notes, refer to the Conda installation documentation: <https://docs.anaconda.com/anaconda/user-guide/tasks/install-packages/>.

To install a package, execute the following command:

- To install the latest version available:

```
1 | conda install -c intel <package-name>
```

See the values for <package-name> in the table below.

- To install a specific version:




```
1 | conda install -c intel <package-name>==<version>
```


Example: `conda install -c intel mkl==2021.1.1`

Limitation: For Intel® oneAPI Deep Neural Network Library (oneDNN), only packages of identical configuration can be installed into one environment. For example, you can install `onednn-devel-cpu-vcomp` with `onednn-cpu-vcomp`, but should avoid installing it with packages of other configurations, like `cpu-iomp`, `cpu-tbb`, `cpu-dpcpp-gpu-dpcpp`.

See the full list of packages in the table:

Component Name	Package Name	Platform Availability	Dependencies
Intel® MPI Library	<code>impi_rt</code> <code>impi-devel</code>	win-x64 linux-x64	N/A
Intel® Fortran Compiler (Beta) and Intel® Fortran Compiler Classic	<code>fortran_rt</code>	win-x64 win-x86 linux-x64 linux-x86 osx-x64	Intel® MPI Library Intel OpenMP* Runtime Library
Intel® CPU Runtime for OpenCL™ Applications	<code>opencl_rt</code>	win-x64 linux-x64 osx-x64	oneTBB
Intel® oneAPI DPC++/C++ Compiler	<code>dpcpp_cpp_rt</code>	win-x64 linux-x64 osx-x64	Intel® CPU Runtime for OpenCL™ Applications Intel OpenMP* Runtime Library
Intel OpenMP* Runtime Library	<code>intel-openmp</code>	win-x64 win-x86 linux-x64 linux-x86 osx-x64	N/A

 Component Name	Package Name	Platform Availability (English)  Dependencies 
Intel® oneAPI Threading Building Blocks (oneTBB)	tbb tbb-devel	win-x64 win-x86 linux-x64 linux-x86 osx-x64 N/A
	tbb4py	win-x64 linux-x64 osx-x64 N/A
Intel® oneAPI Data Analytics Library (oneDAL)	dal dal-static dal-devel dal-include	win-x64 win-x86 linux-x64 linux-x86 osx-x64 oneTBB
Intel® Integrated Performance Primitives (Intel® IPP)	ipp ipp-static ipp-include	win-x64 win-x86 linux-x64 linux-x86 osx-x64 N/A
	ipp-devel	win-x64 win-x86 N/A
Intel® Integrated Performance Primitives Cryptography	ipp_crypto ipp_crypto-static ipp_crypto-include	win-x64 win-x86 linux-x64 linux-x86 osx-x64 N/A
	ipp_crypto-devel	win-x64 win-x86 N/A
Intel® oneAPI Math Kernel Library (oneMKL)	mkl mkl-devel mkl-static mkl-include	win-x64 win-x86 linux-x64 linux-x86 osx-x64 Intel OpenMP* Runtime Library oneTBB
	mkl-dpcpp mkl-devel-dpcpp	win-x64 linux-x64 Intel OpenMP* Runtime Library oneTBB Intel® oneAPI DPC++/C++ Compiler Runtime Intel® CPU Runtime for OpenCL™ Applications

 Component Name	Package Name	Platform Availability	Dependencies
Intel® oneAPI Deep Neural Network Library (oneDNN)	onednn-cpu-vcomp onednn-devel-cpu-vcomp	win-x64	N/A
	onednn-cpu-gomp onednn-devel-cpu-gomp	linux-x64	N/A
	onednn-cpu-iomp onednn-devel-cpu-iomp	win-x64 linux-x64 osx-x64	Intel OpenMP® Runtime Library
	onednn-cpu-tbb onednn-devel-cpu-tbb	win-x64 linux-x64 osx-x64	oneTBB
	onednn-cpu-dpcpp-gpu-dpcpp onednn-devel-cpu-dpcpp-gpu-dpcpp	win-x64 linux-x64	Intel® oneAPI DPC++/C++ Compiler Runtime Intel® CPU Runtime for OpenCL™ Applications
Intel® oneAPI Collective Communications Library (oneCCL)	oneccl-devel	linux-x64	N/A

Product and Performance Information

¹ Performance varies by use, configuration and other factors. Learn more at www.intel.com/PerformanceIndex

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