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Scripts to Set Environment Variables

When the installation of Intel MKL for Linux* is complete, set the INCLUDE, MKLROOT, LD_LIBRARY_PATH, MANPATH, LIBRARY_PATH, CPATH, and NLSPATH environment variables in the command shell using one of the script files in the bin subdirectory of the Intel MKL installation directory. The environment variable MIC_LD_LIBRARY_PATH specifies locations of shared objects for Intel® Many Integrated Core Architecture (Intel® MIC Architecture).

Choose the script corresponding to your command shell:

Shell	Script File
C	mklvars.csh
Bash and Bourne (sh)	mklvars.sh

The scripts accept the parameters, explained in the following table:

Setting Specified	Required (Yes/No)	Possible Values	Comment
Architecture	Yes, when applicable	ia32 intel64	

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Setting Specified	Required (Yes/No)	Possible Values	Comment
Use of Intel MKL Fortran modules precompiled with the Intel® Fortran compiler	No	mod	Supply this parameter only if you are using this compiler.
Programming interface (LP64 or ILP64)	No	lp64, default ilp64	

For example:

- The command
`mklvars.sh ia32`
sets the environment for Intel MKL to use the IA-32 architecture.
- The command
`mklvars.sh intel64 mod ilp64`
sets the environment for Intel MKL to use the Intel 64 architecture, ILP64 programming interface, and Fortran modules.
- The command
`mklvars.sh intel64 mod`
sets the environment for Intel MKL to use the Intel 64 architecture, LP64 interface, and Fortran modules.

NOTE

Supply the parameter specifying the architecture first, if it is needed.
Values of the other two parameters can be listed in any order.

Parent topic: [Setting Environment Variables \(/node/92917439-342b-4ecd-82a0-1ac698035639\)](/node/92917439-342b-4ecd-82a0-1ac698035639)

See Also

[High-level Directory Structure \(/node/52145451-de5d-46be-a645-](/node/52145451-de5d-46be-a645-)

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[Intel® MKL Interface Libraries and Modules \(/node/56f2d0c6-7631-4849-9c74-18c4f0ffb0d1\)](#)

[Fortran 95 Interfaces to LAPACK and BLAS \(/node/c0d9083b-a2c3-4289-aa4c-30ed400be8f6\)](#)

[Setting the Number of Threads Using an OpenMP* Environment Variable \(/node/e0899c66-28b0-4c6a-8016-225276692a42\)](#)

For more complete information about compiler optimizations, see our [Optimization Notice \(/en-us/articles/optimization-notice#opt-en\)](#).

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