



Getting Started with the Intel(R) Fortran Compiler Professional Edition 11.1 for Linux* OS

This guide shows you how to start the Compiler from the command line, how to use Intel® Performance Libraries, and where to find additional user and reference information.

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1 Overview

The Intel® Fortran Compiler compiles Fortran source files on Linux* operating systems. The compiler is supported on IA-32, Intel® 64, and IA-64 architectures.

The Intel® Fortran Compiler operates only from the command line on Linux* operating systems.

The Intel® Fortran Compiler Professional Edition 11.1 for Linux* OS includes the following components:

- Intel® Fortran Compiler.
- Intel® Math Kernel Library.



2 Starting the Compiler from the Command Line

Start using the compiler by performing the following steps:

1. Open a command prompt.
2. Set the environment variables for the compiler.
3. Invoke the compiler.

One way to set the environment variables prior to invoking the compiler is to "source" the compiler environment script, `ifortvars.sh` (or `ifortvars.csh`):

```
source <install-dir>/bin/ifortvars.sh <arg>
```

where `<install-dir>` is the directory structure containing the compiler `/bin` directory, and `<arg>` is the architecture argument listed below.

The environment script takes an argument based on architecture; valid arguments are as follows:

- `ia32`: Compilers and libraries for IA-32 architectures only.
- `intel64`: Compilers and libraries for Intel(R) 64 architectures only.
- `ia64`: Compilers and libraries for IA-64 architectures only.

To compile a Fortran source file (for example, `my_source_file.f90`), use the following command:

```
ifort my_source_file.f90
```

Following successful compilation, an executable named `a.out` is created in the current directory.

3 Using Intel® Performance Libraries

The Intel® Fortran Compiler includes the following performance libraries. Refer to the appropriate sections of the documentation listed for information about using these libraries.

Performance Libraries	See the...
Intel(R) Math Kernel Library	<i>Intel(R) Math Kernel Library User's Guide</i> included with



	the Intel(R) Math Kernel Library documentation.
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4 User and Reference Documentation

Locate the Documentation

The documentation is located in the directories under the `<install-dir>/Documentation/en_US/` directory. If you installed all of the appropriate components, you can find documentation on the following:

- Intel® Fortran Compiler.
- Intel® Math Kernel Library.
- Intel® Debugger.
- Release Notes.

NOTE: The Release Notes contain information about installing Intel® Fortran Compiler.

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