

How to install the Intel Fortran Compiler on Linux

Go to [their website](#) and download the latest version. For this HOWTO, I used [l_fortran-compiler_p_2024.2.1.80_offline.sh](#). I suggest an offline version.

```
# download the installer
wget https://registrationcenter-download.intel.com/akdlm/IRC_NAS/5e7b0f1c-6f25-4cc8-94d7-3a527e596739/l_fortran-compiler_p_2024.2.1.80_offline.sh

# make it executable
chmod a+x l_fortran-compiler_p_2024.2.1.80_offline.sh

# install
./l_fortran-compiler_p_2024.2.1.80_offline.sh -a -s --eula=accept --install-dir=$HOME/usr/local/opt/oneapi
rm -rf ~/intel /tmp/$(whoami)

# add path
cat << 'EOT' >> ~/.bash_profile
# Intel Fortran Compiler
export PATH="$PATH:$HOME/usr/local/opt/oneapi/compiler/latest/bin"
EOT
. ~/.bash_profile

cat << 'EOT' >> ~/.bashrc
# Intel Fortran Compiler
. ~/usr/local/opt/oneapi/setvars.sh &> /dev/null
EOT
. ~/.bashrc

# test
cat << 'EOT' > hello.f
    write(*,*) "Hello World!"
end
EOT
ifx -o hello hello.f
./hello
```

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