

Intel® System Studio- Download and Install Intel® C++ Compiler

Intel® C++ Compiler, known as icc, is the high performance compiler which can be used to build and optimize your C/C++ project. The icc is distributed as part of Intel® System Studio product. In order to use icc to build your project, the installation of the Intel® System Studio product is required on your build system. If you are new to Intel System Studio, click [the Choose & Download](#) page at [Intel System Studio website](#) to acquire a free renewable commercial license for 90-day use. If you need long term license with priority support, please contact your Intel representative or drop email to intelsystemstudio@intel.com for more information.

This document describes the steps to register, download and install Intel® System Studio for a new user. By following the steps, you can install the Intel® System Studio in command line mode on your host machine without the GUI support. The Intel® C++ Compiler will be installed as part of the Intel® System Studio, along with all the other components. For detailed components in the Intel® System Studio product, please refer to [Intel System Studio Website](#).

Step 1: Register and Join the Intel® Developer Zone

Step 2: Register and Download Intel® System Studio

Step 3: Install Intel® System Studio on Linux*

Register and Join the Intel® Developer Zone

If you don't have an account in Intel® Developer Zone, it's highly recommended to register and join the Intel® Developer Zone through Intel website: <https://software.intel.com/registration/?lang=en-us>. Once you registered, you will get an account to manager your license file for the Intel software product in [Intel Registration Center](#), submit issue or questions in [Intel Platform and Technology Discussion Forum](#), or submit support tickets through [Intel Online Service Center](#).

Register and Download Intel® System Studio

From [Intel System Studio web page](#), click "Register&Download" button to acquire a free 90-Day commercial license.

Follow your Register and Download on-screen instruction, or click the “Configure and Download” button from your email, select “Linux” as the Development operating system, “Linux* and Android*” as the Target operating system and click the “Continue” button at the bottom of the page. This will start the Intel System Studio release package download.

INTEL® SYSTEM STUDIO 2018 : FREE 90-DAY RENEWABLE COMMERCIAL LICENSE

Includes community forum support. This license allows usage for 90 days, and can be refreshed an unlimited number of times to use the latest version. You can convert at any time to a paid license, which provides Priority Support for one year.

Supported products: Intel® Atom® Processors, Intel® Core™ Processors, Intel® Xeon® Processors, and Intel® IoT Gateway

Development operating system.

What operating system is running in your development (host) environment?

Windows*

Linux*

macOS*

Target operating system.

What operating system is running on your target hardware? If you don't have an OS running on your target, choose Windows or Linux.

Windows*

Linux* and Android*

FreeBSD*

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YOUR DOWNLOAD IS READY.



Development OS: Linux*
Target platform: Linux* and Android*

Download

By clicking "Download", you agree to our [terms of use](#) and [privacy policy](#). We'll occasionally send you product related email.

Standalone Offline Installer

Related downloads

- Intel® Graphics Performance Analyzers
- Intel® IPP Cryptography libraries
- VTune™ Amplifier target package
- Intel® SoC Watch

- 1 A serial number has been sent to your email. You will need this for installation.
- 2 Unpack the archive and launch the GUI installer by running install.sh.
- 3 Resources
 - Release Notes
 - Readme

Click the Download button to download a small installer which you can use to install if you have the Internet access on your development machine.

Click the “Standalone Offline Installer” to download the full Intel System Studio installation package if you don't have the Internet access on your development machine.

Install Intel® System Studio

On your host development machine where you need to use Intel® C++ Compiler, create a temporary folder, e.g. /tmp/system_studio, copy the downloaded Intel System Studio package, the license file into the folder. Extract the package you downloaded, launch the install.sh script and follow the GUI instruction to install in the case you have the GUI support on your machine. If you don't have the GUI support, follow the instructions below to install the Intel System Studio product in the command line mode. The version of the Intel System Studio is 2018 update 1 on the date of this document is written. The package name is: system_studio_2018_update_1_ultimate_edition_offline.tar.gz

1. Extract the Intel System Studio installation package
\$ cd /tmp/system_studio
\$ tar xvf system_studio_2018_update_1_ultimate_edition.tar.gz
\$ cd system_studio_2018_update_1_ultimate_edition_offline/
2. Update the configuration file for the command line installation.
Use vi or other text editor to open file "silent.cfg", update the file similar as the following:

```
ACCEPT_EULA=accept
ACTIVATION_TYPE=license_file
PSET_INSTALL_DIR=/opt/intel
ACTIVATION_LICENSE_FILE=/tmp/system_studio/COM____XXXX-YYYYYYYYY.lic
```

Here you need to change the file name COM____XXXX-YYYYYYYYY.lic to your actual license file name. The PSET_INSTALL_DIR indicates the target installation path. You can change it based on your own system demand. For further details, please refer to the README.txt file in the same folder.

3. Install the Intel System Studio product.
\$ sudo ./install.sh -s silent.cfg

The installation process will take several minutes silently. Once you have a successful installation, you can find the Intel System Studio product in the /opt/intel folder.

Now you can setup the Intel C++ Compiler environment and run the build. For example,

```
$source /opt/intel/system_studio_2018/compilers_and_libraries/linux/bin/compilervars.sh intel64
$icc --version
```

```
icc (ICC) 18.0.2 20180210
```

```
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```

Issue Report

If you encounter any issues when using Intel® C++ Compiler, please submit support tickets through [Intel Online Service Center](#) against the product "Intel System Studio".

Reference

Intel System Studio

<https://software.intel.com/en-us/intel-system-studio>

Intel C++ Compiler Developer Guide and Reference

<https://software.intel.com/en-us/cpp-compiler-18.0-developer-guide-and-reference>

Intel System Studio Support Forum

<https://software.intel.com/en-us/forums/intel-system-studio>