

Intel® DevCloud setup for new users

Step by step



intel®

Note:

These are instructions to setup up a **NEW** DevCloud account.

If you have already a DevCloud account you do **NOT** have to follow this presentation, just access https://devcloud.intel.com/oneapi/get_started/ and sign in

Step 1) Visit https://devcloud.intel.com/oneapi/get_started/ and “Sign In”

[PRODUCTS](#)[SUPPORT](#)[SOLUTIONS](#)[DEVELOPERS](#)[PARTNERS](#)[Sign In](#)[Enroll](#)[Software](#) / [Tools](#) / [DevCloud](#) ▾ / [oneAPI](#)

Intel® DevCloud for oneAPI

[Overview](#) [Get Started](#) [Documentation](#) [Forum](#) [↗](#)

The Intel DevCloud is a development sandbox to learn about programming cross architecture applications with OpenVino, High Level Design (HLD) tools – oneAPI, OpenCL, HLS – and RTL.

[Get Free Access](#)[Sign in](#)

Explore Intel oneAPI Toolkits in the DevCloud

These toolkits are for performance-driven applications—HPC, IoT, advanced rendering, deep learning frameworks—that are written in DPC++, C++, C, and Fortran languages. Select a toolkit to see what it includes, explore training modules, and go deeper with developer guides.



PRODUCTS

SUPPORT

SOLUTIONS

DEVELOPERS

PARTNERS



USA (ENGLISH)



Search Intel.com

Intel® DevCloud

Sign In

Intel Customer or Partner?

[By signing in, you agree to our Terms of Service](#)

Sign In

☐ Remember me

Forgot your Intel [username](#) or [password](#)?
[Contact customer support](#)

Get an Account

Quickly create an account to start using DevCloud today.

[Register now for Intel® DevCloud](#)

With and **Intel® DevCloud account**, you can:

- › Evaluate the latest software without downloading
- › Access the latest compute technology with no setup

Registration is simple and quick.

Step 3) Fill out the “Basic Contact Information” section

[PRODUCTS](#)[SUPPORT](#)[SOLUTIONS](#)[DEVELOPERS](#)[PARTNERS](#)[USA \(ENGLISH\)](#)[Search Intel.com](#)

Create an Intel® DevCloud Account

Sign up for immediate access to the latest Intel technology without downloads or hardware setup.

[Intel Employee? Create account here](#)

All fields are required except any fields specifically marked as optional.

Basic Contact Information

Basic Contact Information

Edit 

More About you

What is your purpose for using Intel® Devcloud (Select all that apply)

☐ HPC Workloads

☒ AI Training

☐ AI Inference

Business or Institution Name

<Enter your business or Institution name here>

What type of user are you?

Teacher/Professor



Step 5) Select what applies and click the “Next Step” button

Subscribe to optional email updates from Intel

- ☐ Select all subscriptions below
- ☐ Developer Zone Newsletter
- ☐ Edge Software Hub Product Communication
- ☐ Programmable Logic Product Announcements
- ☐ Programmable Logic Newsletters
- ☐ Software Developer Product Insights
- ☐ Yes, I would like to subscribe to stay connected to the latest Intel technologies and industry trends by email and telephone. I can unsubscribe at any time.

Next Step

More About you

Edit 

Terms and Conditions



I have read and accept the [Intel® DevCloud Agreement](#)

By submitting this form, you are confirming you are an adult 18 years or older and you agree to share your personal information with Intel to stay connected to the latest Intel technologies and industry trends by email and telephone. You can unsubscribe at any time. Intel's web sites and communications are subject to our [Privacy Notice](#) and [Terms of Use](#).

This site is protected by reCAPTCHA and the Google [Privacy Policy](#) and [Terms of Service](#) apply.

Submit

Almost there!

Check your email for the verification link and **sign in**. The link will expire in 5 days.

Didn't receive the email? Check your spam or junk folder or click on Resend email below. [Click Here](#)

[Company Overview](#)[Contact Intel](#)[Newsroom](#)[Investors](#)[Careers](#)[Corporate Responsibility](#)[Diversity & Inclusion](#)[Public Policy](#)

Step 8) Click the “Verify your email” link in the email sent by wsm-postmaster@intel.com

Gmail Search in mail

Compose

Inbox

Starred

Snoozed

Sent


Drafts 4

More

Labels +

Intel® DevCloud Account Confirmation - Email Verification Inbox x

wsm-postmaster@intel.com
to me



Almost Done...Please Verify Your Email

Welcome Robert Marivel,

Thank you for registering for an Intel® DevCloud Account.

Please verify your email address by clicking the link below. The link will expire in 5 days.

[Verify your email](#)

Your password should be protected as confidential. Your use of the password and Intel's websites are governed by Intel's Terms and Conditions of Use linked from the bottom of each respective site's web pages.

If you have any questions, please [contact us](#).

Step 9) Your email address has been verified. Click the “Sign In” link



[< Sign In](#)

Verify Your Email Address

Thank you for verifying your email address. You will be redirected to the site in a few seconds.

[Sign In FAQ](#)

©Intel Corporation

[Terms of Use](#)

[*Trademarks](#)

[Privacy](#)

[Cookies](#)

Step 10) Fill out the Username/Email and Password fields and click the "Sign In" button



USA (English) 

Sign In

By signing in, you agree to our [Terms of Use](#)

☐ Remember me

Forgot your Intel [username](#) or [password](#)?

[Sign In FAQ](#)

©Intel Corporation

[Terms of Use](#)

[*Trademarks](#)

[Privacy](#)

[Cookies](#)

Step 11) Wait for the account activation. Once done you will be redirected



[PRODUCTS](#)

[SUPPORT](#)

[SOLUTIONS](#)

[MORE +](#)



USA (ENGLISH)



Search Intel.com

Intel® DevCloud Account Provisioning


Intel® DevCloud Account Activation






Thank you for registering for a DevCloud account.

Please wait while we provision your account and redirect you.

Step 12) Visit <https://www.intel.com/content/www/us/en/developer/tools/devcloud/overview.html> and click the "1 oneAPI" picture

 [PRODUCTS](#) [SUPPORT](#) [SOLUTIONS](#) [MORE +](#)

  [USA \(ENGLISH\)](#)



[Developer](#) / [Tools](#) / [Intel® DevCloud](#) / **Overview**

Intel® DevCloud

Learn, prototype, test, and run your workloads for free on a cluster of the latest Intel® hardware and software.

[Request an Extension →](#)

Get Started with Intel DevCloud



Work with Intel®
Distribution of
OpenVINO™ Toolkit

 [Work with oneAPI](#)

Step 13) Visit https://devcloud.intel.com/oneapi/get_started/

[PRODUCTS](#)[SUPPORT](#)[SOLUTIONS](#)[DEVELOPERS](#)[PARTNERS](#)[Sign In](#)[Enroll](#)[Software](#) / [Tools](#) / [DevCloud](#) ▾ / [oneAPI](#)

Intel® DevCloud for oneAPI

[Overview](#) [Get Started](#) [Documentation](#) [Forum](#) [↗](#)

The Intel DevCloud is a development sandbox to learn about programming cross architecture applications with OpenVino, High Level Design (HLD) tools – oneAPI, OpenCL, HLS – and RTL.

[Get Free Access](#)[Sign in](#)

Explore Intel oneAPI Toolkits in the DevCloud

These toolkits are for performance-driven applications—HPC, IoT, advanced rendering, deep learning frameworks—that are written in DPC++, C++, C, and Fortran languages. Select a toolkit to see what it includes, explore training modules, and go deeper with developer guides.

Step 14) Fill out your credentials and click the "Sign In"

[PRODUCTS](#)[SUPPORT](#)[SOLUTIONS](#)[MORE +](#)[USA \(ENGLISH\)](#)[Search Intel.com](#)

Intel® DevCloud

Sign In

[Intel Employee? Sign in here](#)

Intel Customer or Partner?

[By signing in, you agree to our Terms of Service](#)

☐ Remember me

Forgot your Intel [username](#) or [password](#)?
[Contact customer support](#)

Get an Account

Quickly create an account to start using DevCloud today.

[Register now for Intel® DevCloud](#)

With and **Intel® DevCloud account**, you can:

- › Evaluate the latest software without downloading
- › Access the latest compute technology with no setup

Registration is simple and quick.

Step 15) Note you are signed it. Then scroll down all the way

The screenshot shows the Intel DevCloud for oneAPI website. At the top, the Intel logo is on the left, and navigation links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS, and PARTNERS are in the center. Below these are links for Software, Tools, DevCloud (with a dropdown arrow), and oneAPI. On the right, a user is signed in, with a red box highlighting the 'Sign out (u165710)', 'Expiration Date : 12/23/2022', and 'Request Extension' links. A red arrow points from the text 'Note you are already signed in' to the user information box. The main header features the title 'Intel® DevCloud for oneAPI' and sub-links for Overview, Get Started (underlined), Documentation, and Forum. The main content area is titled 'Explore Intel oneAPI Toolkits in the DevCloud' and describes the toolkits for performance-driven applications. A large red arrow points downwards from the 'Get Started' link to the 'Intel® oneAPI Base Toolkit' section. Below this, the 'The toolkit includes:' section lists various libraries and tools.

intel. PRODUCTS SUPPORT SOLUTIONS DEVELOPERS PARTNERS

Software / Tools / DevCloud ▾ / oneAPI

Intel® DevCloud for oneAPI

Overview Get Started Documentation Forum ↗

Explore Intel oneAPI Toolkits in the DevCloud

These toolkits are for performance-driven applications—HPC, IoT, accelerated analytics, and AI/ML—covering, deep learning frameworks—that are written in DPC++, C++, C, and Fortran languages. Select a toolkit to see what it includes, explore training modules, or go deeper with developer guides.

Intel® oneAPI Base Toolkit

Build and deploy high-performance, data-intensive applications across diverse architectures with a core set of tools and libraries.

[Get Started with your first Sample](#) [View Training Modules](#)

Scroll down

The toolkit includes:

- Intel® oneAPI Collective Communications Library
- Intel® oneAPI DPC++ Library
- Intel® DPC++ Compatibility Tool
- Intel® oneAPI Data Analytics Library
- Intel® oneAPI Math Kernel Library
- Intel® FPGA Add-On for oneAPI Base Toolkit (Optional)
- Intel® oneAPI Threading Building Blocks

Step 16) Click the “Launch JupyterLab*” link



RTL Acceleration Functional Unit

The revolutionary Intel® Quartus® Prime Design Software includes everything you need to design for Intel® FPGAs, SoCs, and complex programmable logic device (CPLD) from design entry and synthesis to optimization, verification, and simulation. Dramatically increased capabilities on devices with multi-million logic elements are providing designers with the ideal platform to meet next-generation design opportunities.

Build and design using standard logic gates. Great for visualization and education.

[Get Started with your first Sample](#)

Connect with Jupyter* Lab



Connect with Jupyter* Notebook

Use Jupyter Notebook to learn about how oneAPI can solve the challenges of programming in a heterogeneous world and understand the Data Parallel C++ (DPC++) language and programming model.

[Launch JupyterLab*](#)

Training Resources

[DevCloud Commands](#)

Learn about the features of the compute nodes, data management, and how to submit, query, and delete your jobs.

[Introduction to oneAPI and Essentials of Data Parallel C++](#)

Use Jupyter Notebook* to learn about how oneAPI can solve the challenges of programming in a heterogeneous world and understand the Data Parallel C++ (DPC++) language and programming model.

Step 17) Access the "RenderKit_Learning_Path" folder

+

+

↑

↺

Filter files by name

/

Name	Last Modified
AI_Kit_XGBoost_Predictiv...	16 days ago
Hough_Transform_on_FP...	a year ago
Intel_oneAPI_MKL_Traini...	a year ago
mandelbrot	a year ago
MPI_with_OpenMP_or_D...	a year ago
oneAPI_Essentials	2 months ago
OpenMP_Offload	2 months ago
RenderKit_Learning_Path	a day ago
SYCL_Performance_Porta...	3 months ago
xpublog	10 months ago
Welcome.ipynb	a day ago

Launcher

Notebook

P

Python 3.8
(Intel® oneAPI)

P

PyTorch (AI kit)

T

Tensorflow (AI
kit)

>_

Console

P

Python 3.8
(Intel® oneAPI)

P

PyTorch (AI kit)

T

Tensorflow (AI
kit)

\$_

Other

\$_

Terminal

≡

Text File

M

Markdown File

Python File

Show Contextual
Help

Simple

0

\$_

2

⚙

Log Out

Launcher

