

Intel® oneAPI DevCloud Hand book



oneAPI Available on Intel® DevCloud

A development sandbox to develop, test and run workloads across a range of Intel CPUs, GPUs, and FPGAs using Intel's oneAPI software.

Get Up & Running In Seconds!

software.intel.com/devcloud/oneapi

intel.
DevCloud



1 Minute to Code

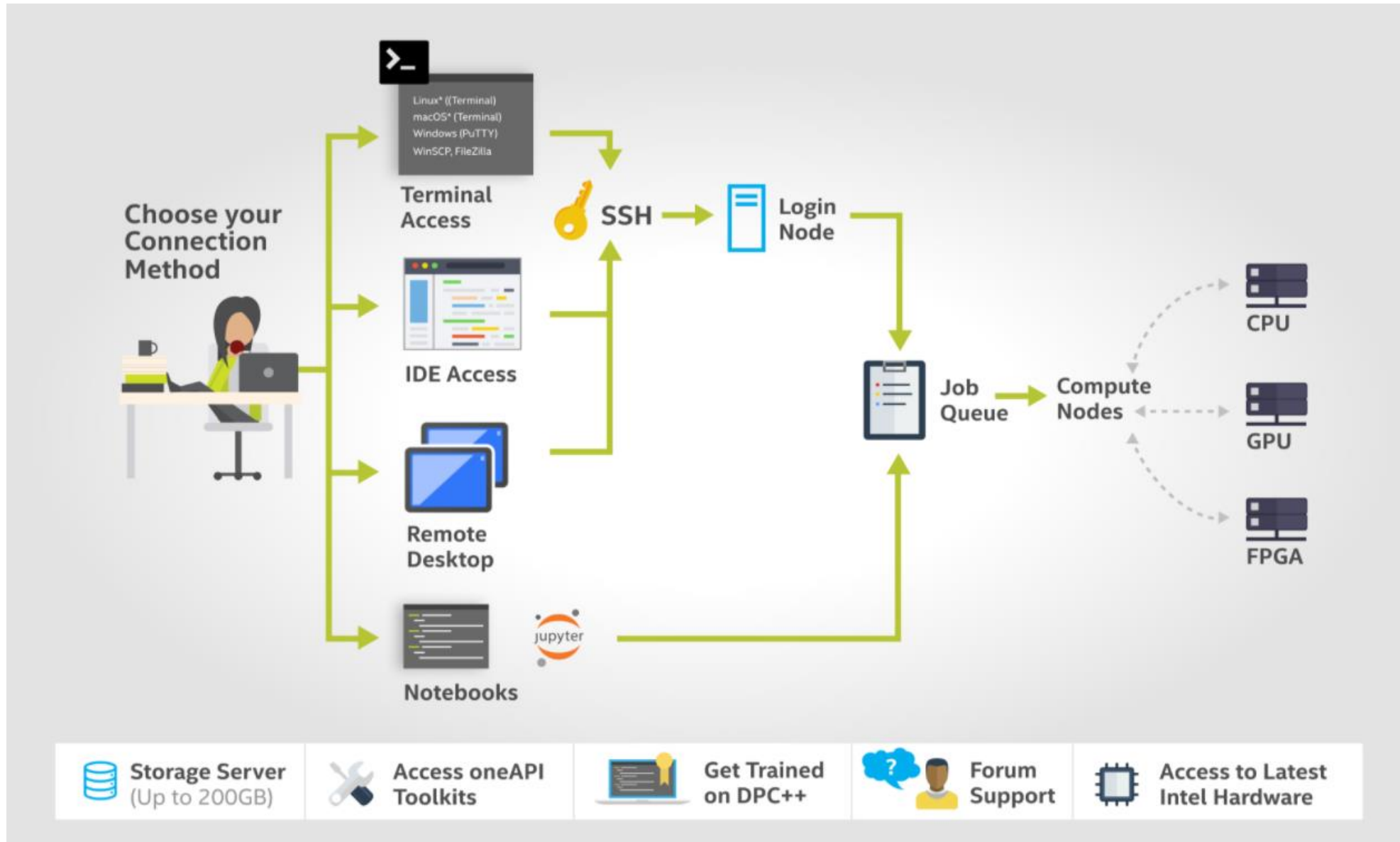
No Hardware Acquisition

No Download, Install or Configuration

Easy Access to Samples & Tutorials

Support for Jupyter Notebooks, Visual Studio Code

Intel® DevCloud overview



INTEL EVENT CODE- DEVCLOUD ACCESS

Devcloud Access code:

oneAPI8DEC

Workshop sign-up process – Step 1 of 11

- <https://intelsoftwaresites.secure.force.com/DevCloud/?eventcode=oneAPI8DEC>

Get Access Now

Already have access? [Sign in.](#)

Required Fields(*)

First Name *

Last Name *

Email Address *

Country / Region *

Company or University *

Thank you for Registering, you shall receive an email in your inbox to access DevCloud ..

Welcome to Intel® DevCloud. Use this computing resource to develop, test, and run your workloads across a range of Intel® CPUs, GPUs, and FPGAs.

Your account has been activated and you can now connect to the Intel® DevCloud.

User Name: xxxxx

Node Name: xxxxx

< oneAPI8DEC >

Workshop sign-up process – Step 2 of 11

- <https://intelsoftwaresites.secure.force.com/DevCloud/?eventcode=oneAPI8DEC>

Which hardware and accelerator architecture are you developing for? (Select all that apply) *

- ☐ ASICs (application-specific integrated circuits)
- ☐ CPU
- ☐ FPGA (field-programmable gate array)
- ☐ GPGPU (general-purpose GPU)
- ☐ GPU
- ☐ Integrated Graphics
- ☐ IPU (image processing unit)
- ☐ NNPU (neural network processing unit)
- ☐ VPU (vision processing unit)
- ☐ Other

What type of developer are you? *

- Select -

Do you have an event code provided by Intel? (Optional)

OPENMP26NOV

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

☒ Yes, I would like to subscribe to stay connected to the latest technologies and industry trends by email or telephone. I can unsubscribe at any time.

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 use for this business request. Intel's websites and communications are subject to our [Privacy Notice](#) and [Terms of Use](#).

Submit

<oneAPI8DEC >

Workshop Sign-up process – Step 3 of 11

- <https://intelsoftwaresites.secure.force.com/DevCloud/?eventcode=oneAPI8DEC>

WELCOME

Intel® DevCloud is preinstalled with the latest Intel® hardware, frameworks, tools, and libraries.

Read and Accept Terms and Conditions

By accessing this site and the cloud computing services that it provides, you acknowledge and accept the following:

- [Intel DevCloud Access and Software License Agreement](#)
- [Colfax Services Terms](#)

✓ You accepted these terms on April 30, 2020, 1:32 PM GMT+5:30.

☒ I, [REDACTED] accept these terms.

[Submit](#)

[< oneAPI8DEC >](#)

Workshop sign-up process – Step 4 of 11

- <https://intelsoftwaresites.secure.force.com/DevCloud/?eventcode=oneAPI8DEC>

Dear Kavita Aroor,

Welcome to Intel® DevCloud. Use this computing resource to develop, test, and run your workloads across a range of Intel® CPUs, GPUs, and FPGAs.

Your account has been activated and you can now connect to the Intel® DevCloud.

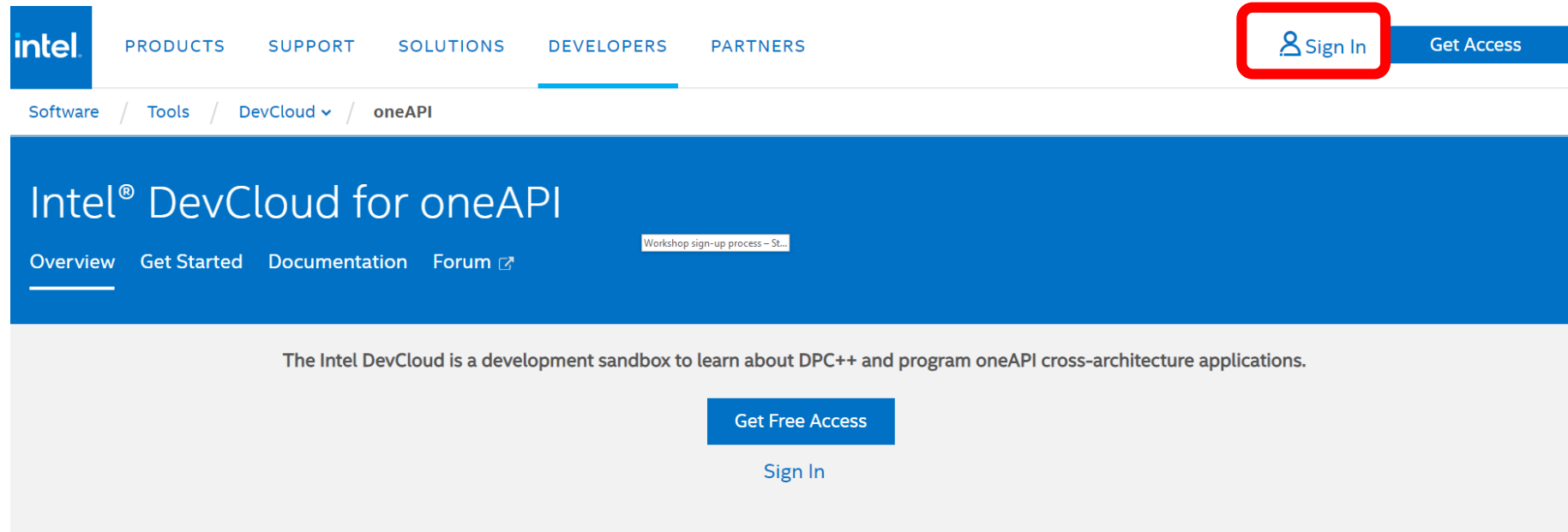
Go to the Intel DevCloud home page: <https://devcloud.intel.com/oneapi/?uuid=5be8d9d4-084b-409a-4>

User Name: xxxx

Node Name: xxxx

< oneAPI8DEC >

Workshop sign-up process – Step 5 of 11



The screenshot shows the Intel DevCloud for oneAPI website. The top navigation bar includes the Intel logo, links for PRODUCTS, SUPPORT, SOLUTIONS, DEVELOPERS (which is underlined), and PARTNERS. On the right side of the navigation bar, there is a 'Sign In' button with a user icon, which is highlighted with a red rectangle, and a 'Get Access' button. Below the navigation bar, there is a breadcrumb trail: Software / Tools / DevCloud ▾ / oneAPI. The main heading is 'Intel® DevCloud for oneAPI'. Below the heading, there are links for Overview (underlined), Get Started, Documentation, and Forum with an external link icon. A small tooltip 'Workshop sign-up process – St...' is visible near the Forum link. The main content area has a light gray background and contains the text: 'The Intel DevCloud is a development sandbox to learn about DPC++ and program oneAPI cross-architecture applications.' Below this text, there is a blue 'Get Free Access' button and a 'Sign In' link.

intel. PRODUCTS SUPPORT SOLUTIONS DEVELOPERS PARTNERS

Software / Tools / DevCloud ▾ / oneAPI

Intel® DevCloud for oneAPI

Overview Get Started Documentation Forum ↗

Workshop sign-up process – St...

The Intel DevCloud is a development sandbox to learn about DPC++ and program oneAPI cross-architecture applications.

[Get Free Access](#)

[Sign In](#)

Workshop sign-up process – Step 6 of 11

SIGN IN TO THE INTEL® DEVCLOUD

Please find your welcome email and copy the “uuid”.

Paste the UUID in the box below to sign in.

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

Sign In

Don't have an account? Sign-up [here](#) for a DevCloud account.

Fill in the characters after uuid= in the link present in your welcome email!

<https://devcloud.intel.com/oneapi/?uuid=5be8d94-0845-409a-506a-5e20476252ef>

Workshop sign-up process – Step 7 of 11

[Software](#) / [Tools](#) / [DevCloud ▼](#) / [oneAPI](#)

Intel® DevCloud for oneAPI

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

Your Messages [\(show more\)](#)

- | | |
|--------------------|--|
| October 2, 2020 | Maintenance on Intel DevCloud for oneAPI Projects 3-4 pm PDT October 2 ▼ |
| September 27, 2020 | Intel DevCloud maintenance is postponed, operating as usual ▼ |
| September 22, 2020 | Upcoming Intel DevCloud Scheduled Downtime Notice ▼ |

Workshop sign-up process – Step 8 of 11

Introduction to DevCloud and oneAPI



DevCloud Overview

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

[Learn More](#)



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.

[Sign In to View in Jupyter Notebooks](#)

Connect to the DevCloud



Choose Your SSH Connection:

- ☒ Cygwin on Windows*
- ☐ Linux* or macOS*
- ☐ Visual Studio Code Remote
- ☐ Remote Desktop (Rendering Toolkit only)

[Connect with Cygwin](#)



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.

[Sign in to Connect](#)

Workshop sign-up process – Step 9 of 11

Server not running

Your server is not running. Would you like to start it?

Launch Server

Workshop sign-up process – Step 10 of 11

