Intel® oneAPI DevCloud Hand book

All information provided in this deck is subject to change without notice.
Contact your Intel representative to obtain the latest Intel product specifications and roadmaps.

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

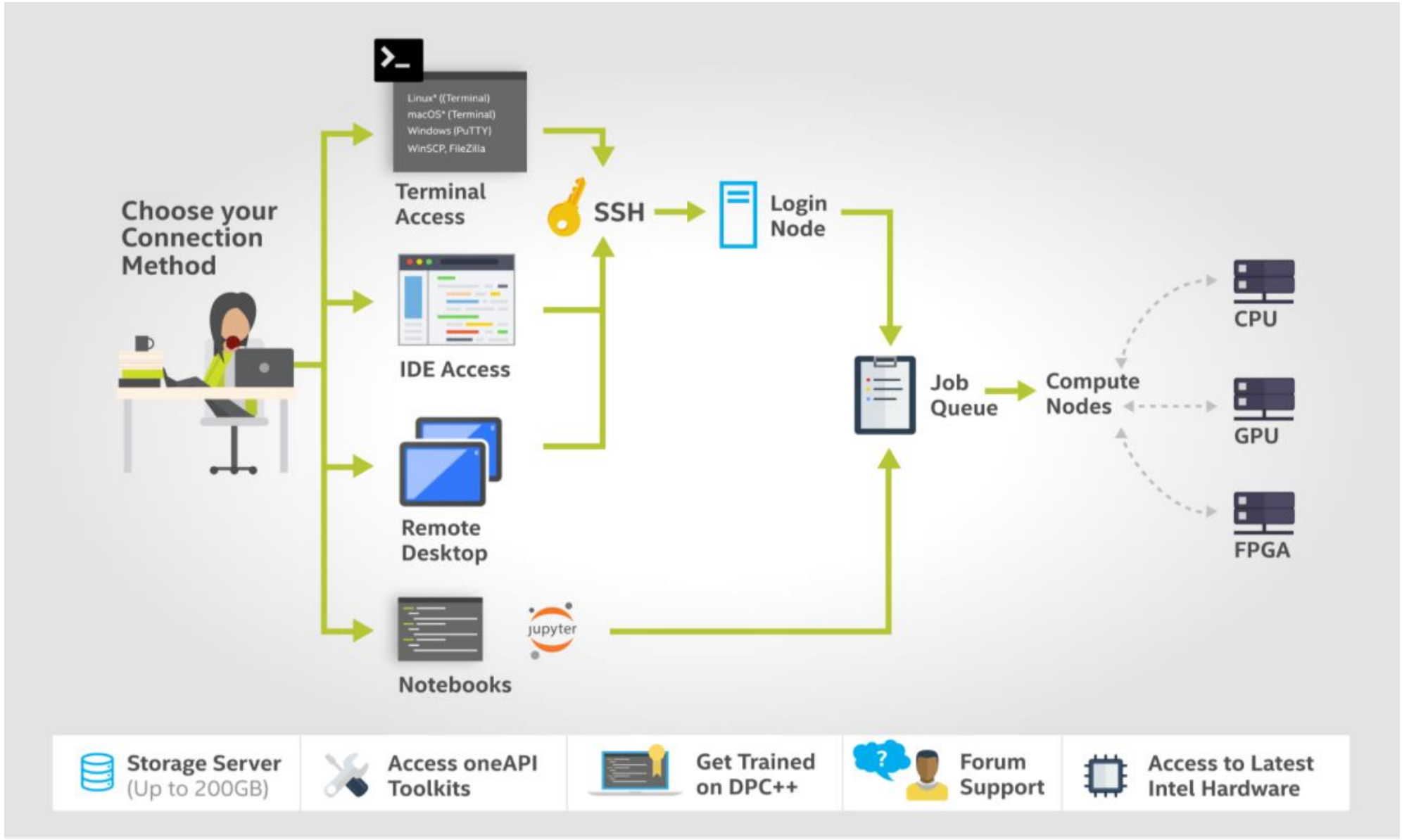
No Hardware Acquisition

No Download, Install or Configuration

Easy Access to Samples & Tutorials

Support for Jupyter Notebooks, Visual Studio Code

Intel® DevCloud overview



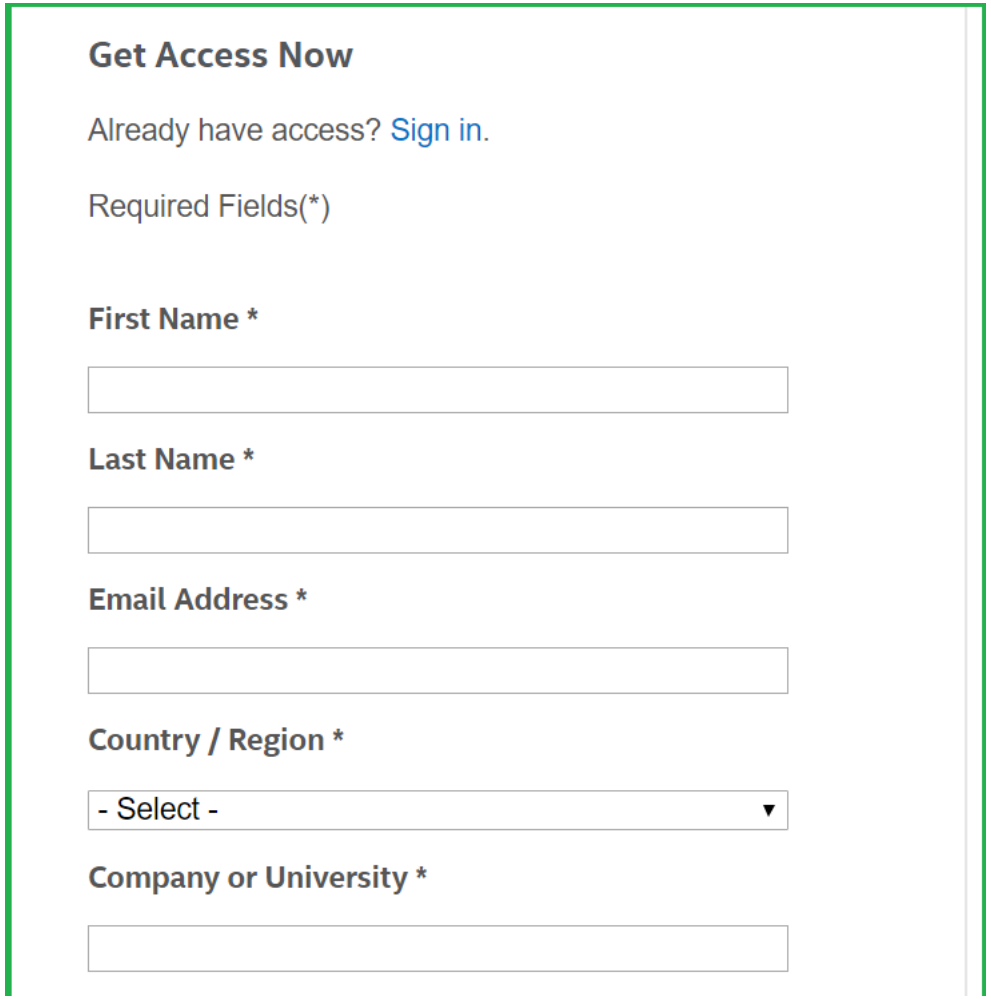
INTEL EVENT CODE- DEVCLOUD ACCESS

Devcloud Access code:

oneAPI8DEC

Workshop sign-up process – Step 1 of 11

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



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) *

- [ ] ASICSs (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

- [x] I have read and accept the Intel® DevCloud Agreement *
- [x] Yes, I would like to subscribe to stay connected to the latest technologies and industry trends by email or telephone. I can unsubsribe at any time.

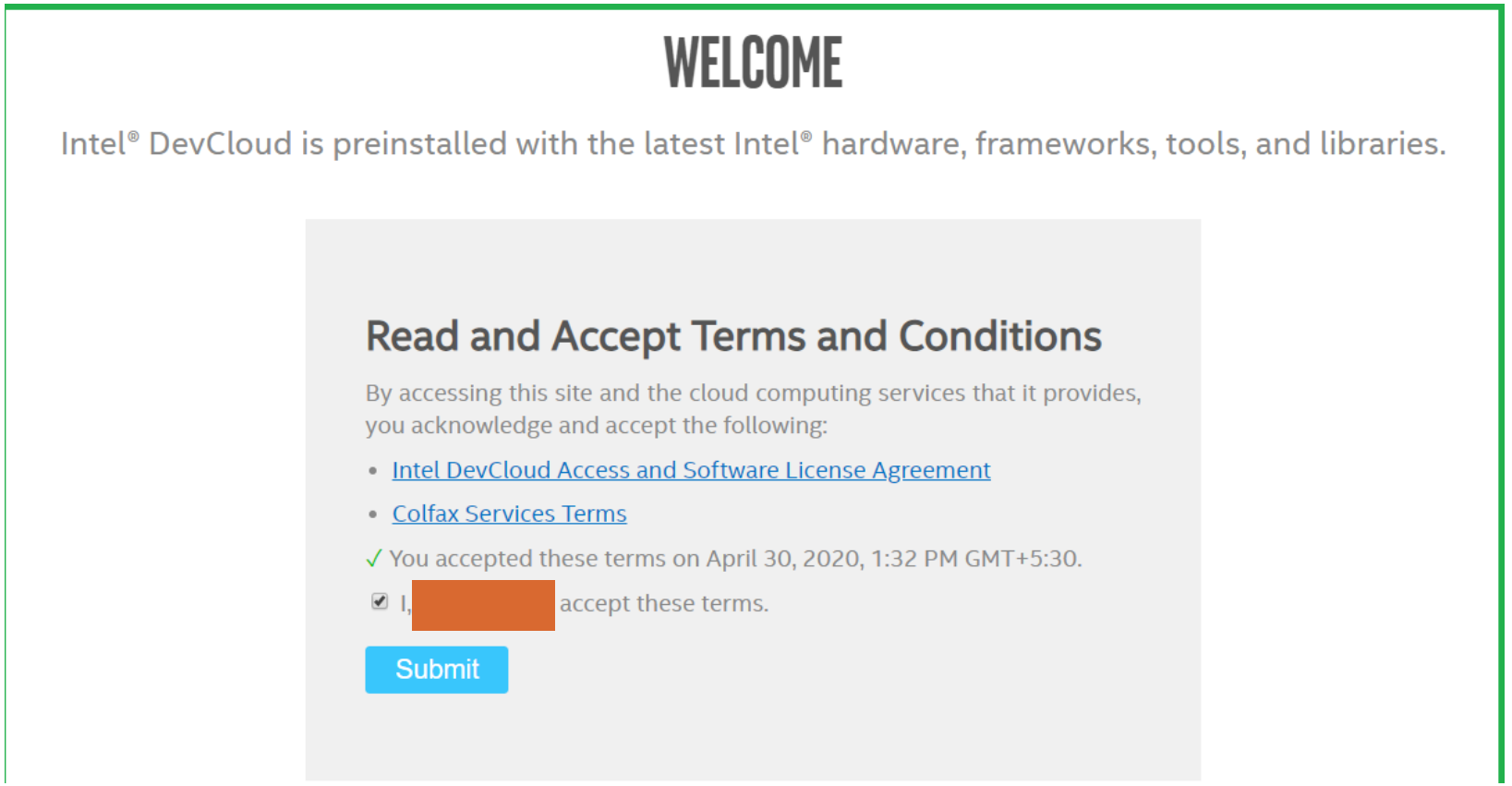
By submitting this form, you are confirming you are an adult 18 years or older and you agree to share your personal information with Intel to use for this business request. Intel's websites and communications are subject to our Privacy Notice and Terms of Use.

Submit

<oneAPI8DEC >

Workshop Sign-up process – Step 3 of 11

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



< 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.

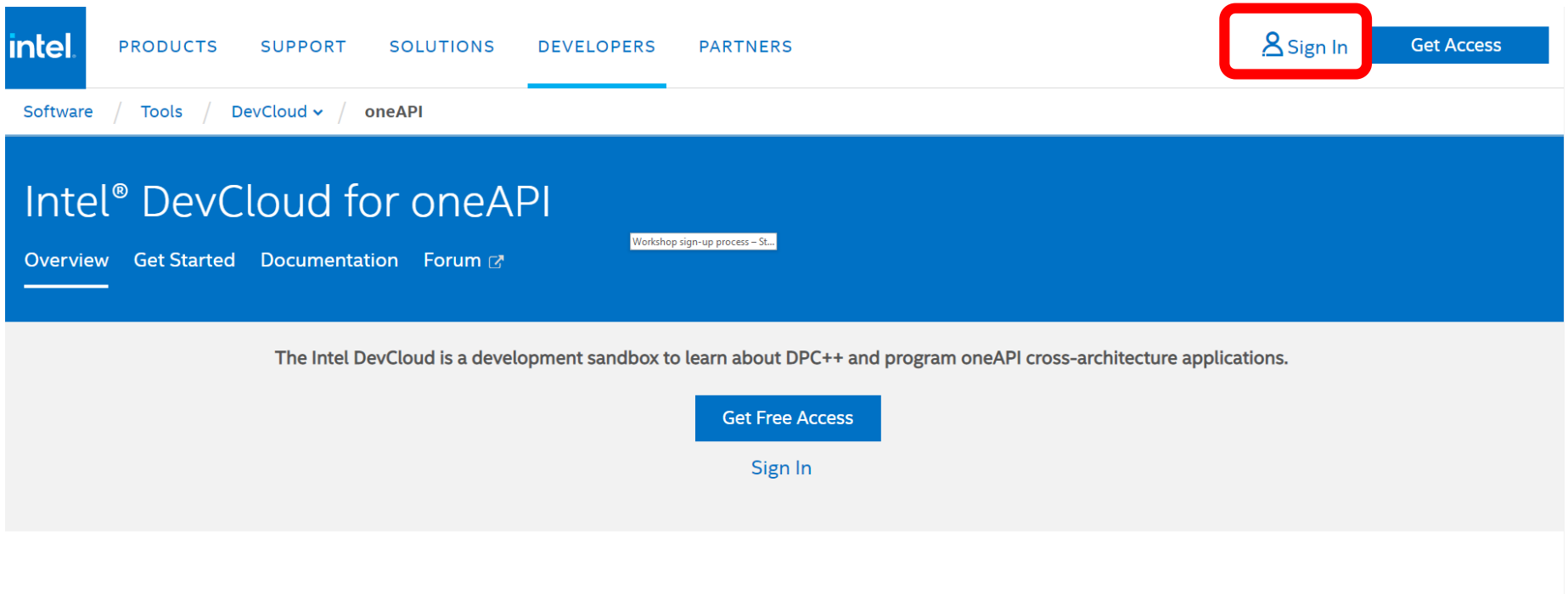
Your account has been activated and you can now connect to the Intel® DevCloud.

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

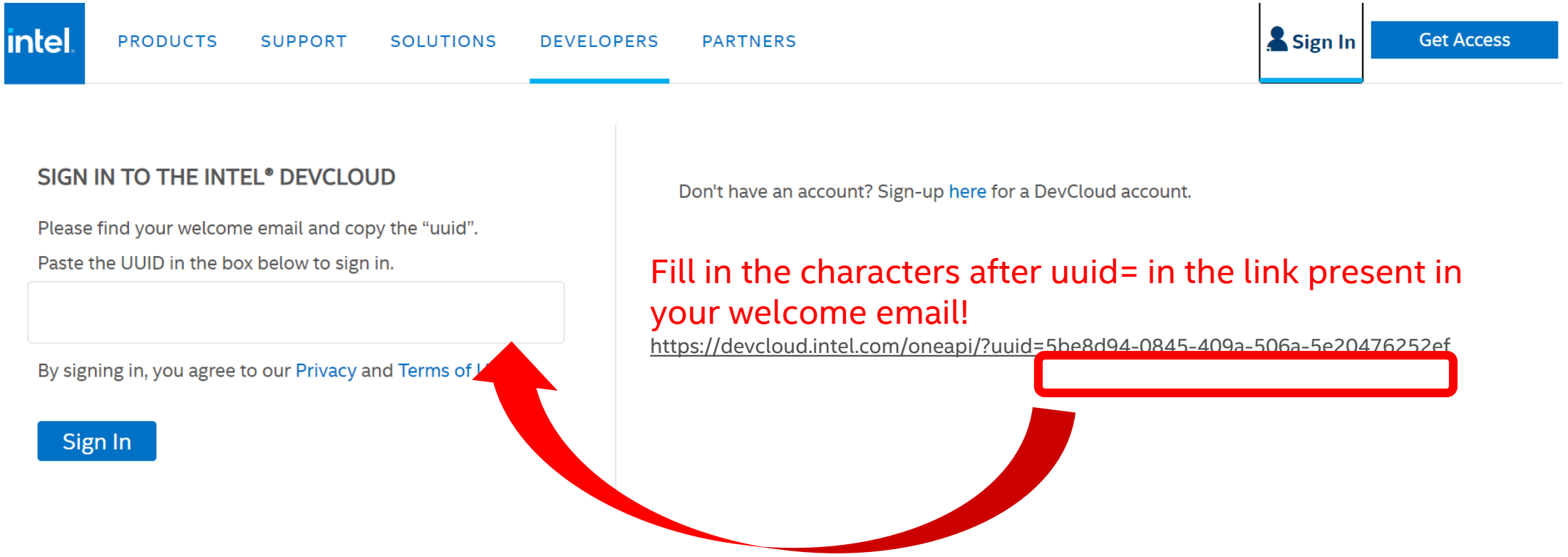
User Name: xxxx
Node Name: xxxx

< oneAPI8DEC>

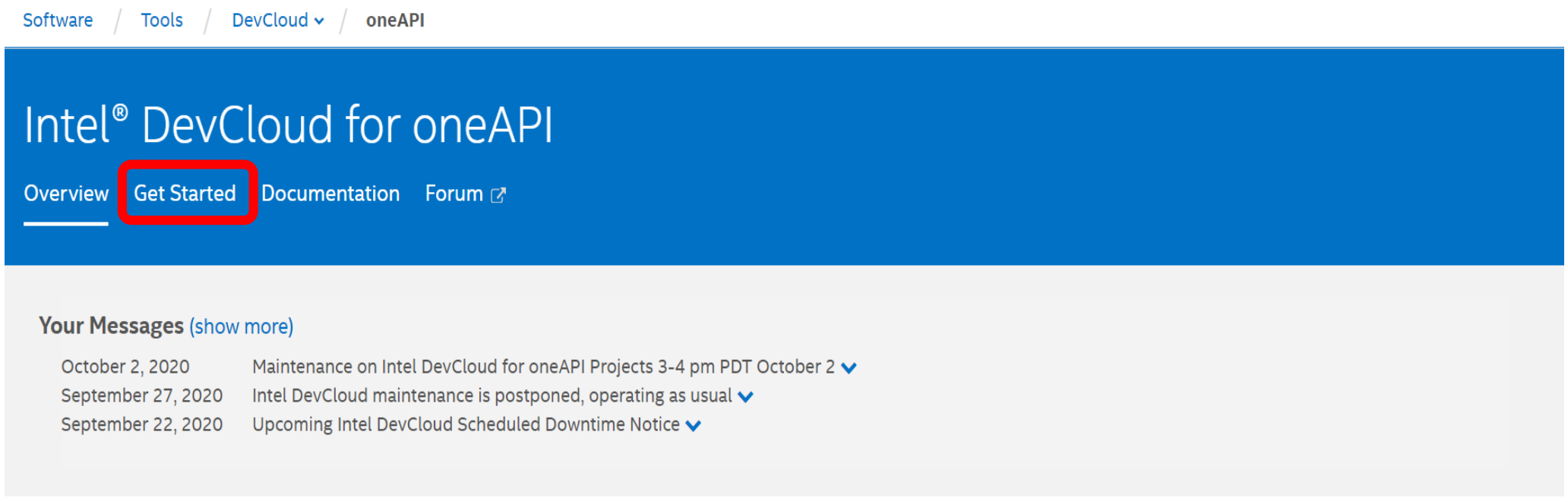
Workshop sign-up process – Step 5 of 11



Workshop sign-up process – Step 6 of 11



Workshop sign-up process – Step 7 of 11



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)

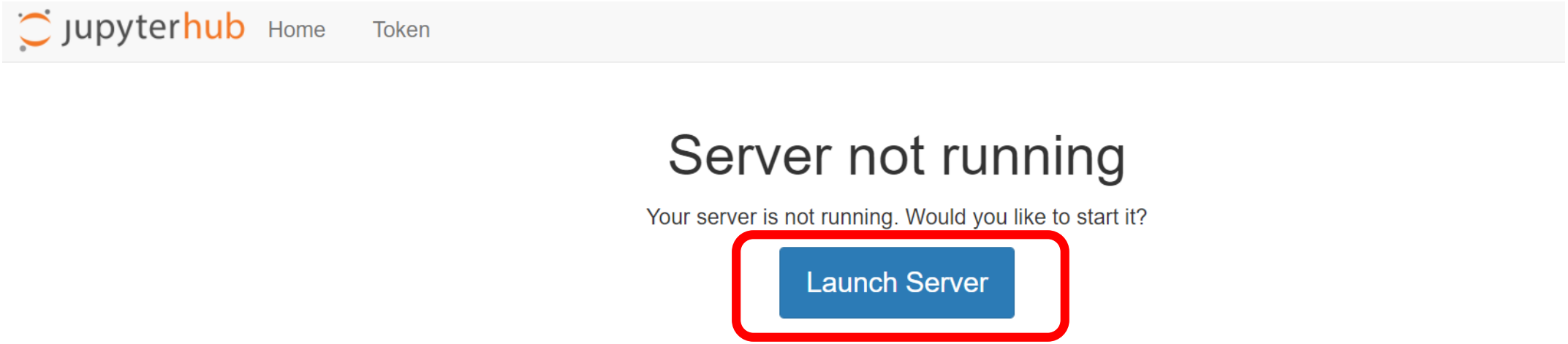
Connect with Cygwin

Connect with Jupyter* Notebook

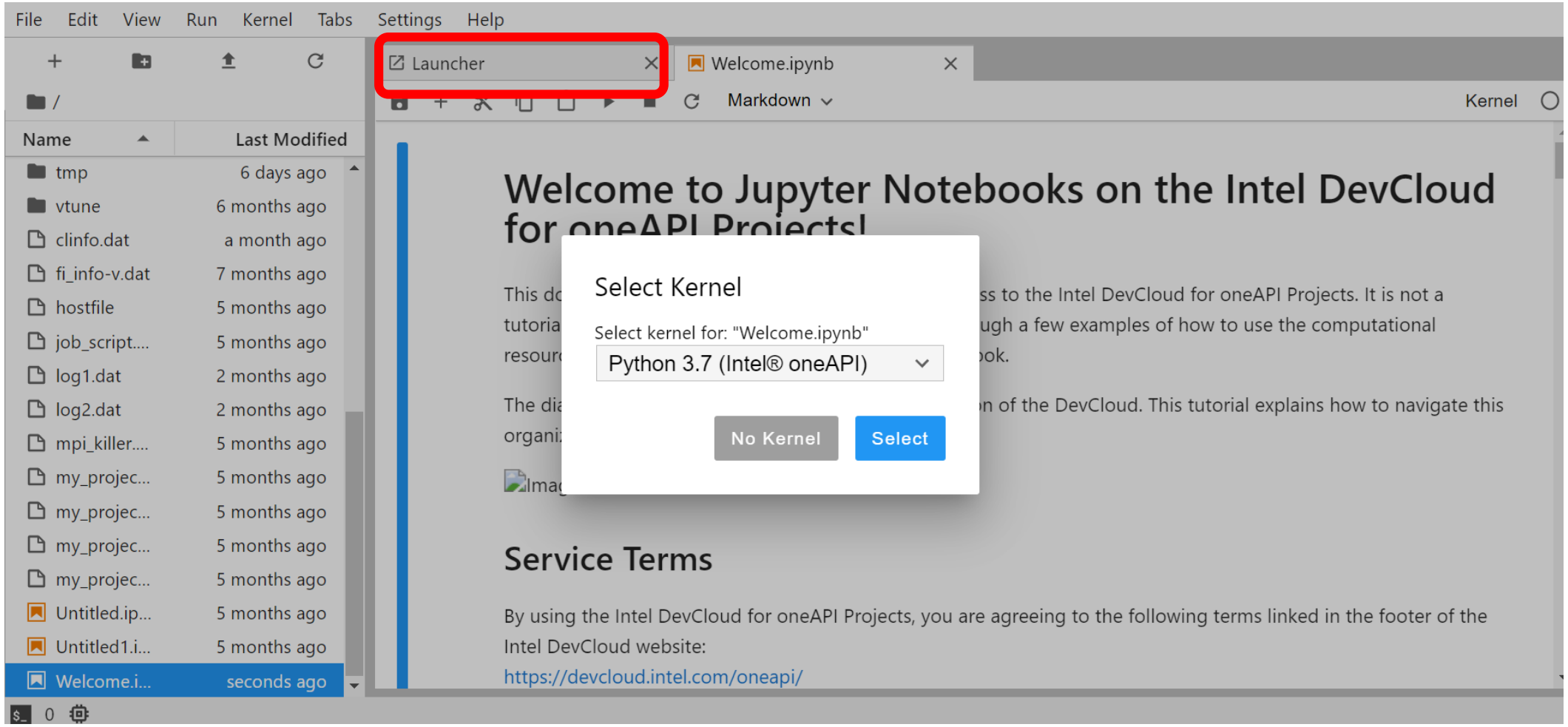
Use Jupyter Notebook to learn about how oneAPI can solve the challenges of programming in a heterogeneous world and understand the Data Parallel C++ (DPC++) language and programming model.

Sign in to Connect

Workshop sign-up process – Step 9 of 11



Workshop sign-up process – Step 10 of 11



intel