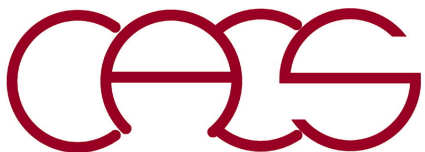


Using Intel Tiber AI Cloud

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Getting Started (1)

- Sign up to get a user account, then sign in to Tiber home

<https://www.intel.com/content/www/us/en/developer/tools/devcloud/services.html>

The screenshot shows the Intel Tiber AI Cloud console interface. The browser address bar displays `console.cloud.intel.com/home?region=us-region-1`. The page header includes the Intel Tiber AI Cloud logo and the region `us-region-1`. A navigation menu on the left lists various services, with **Learning** highlighted in a red box. The main content area features a green banner announcing "Gaudi 3 AI processors are now available in our cloud!" and three cards for "Learn Free", "Evaluate", and "Deploy", each with a "Get Started" button. The footer contains copyright information and various links.

Then, go to
“Learning”

Getting Started (2)

Intel® Tiber™ AI Cloud

console.cloud.intel.com/learning?region=us-region-1

us-region-1

Documentation

Learning

Available notebooks (22)

All AI with Intel Gaudi 2 Accelerator AI with Max Series GPU **C++ SYCL** Quantum Comput

Type to search... [Connect now](#)

1. Select C++ SYCL

C++ SYCL

Use oneAPI and SYCL C++ to achieve portable, performant code.

Essentials of SYCL

Learn to write performant and portable code using oneAPI and SYCL C++

[Launch](#)

Performance, Portability and Productivity

Learn to write performant and portable HPC code for multiple platforms with oneAPI and SYCL C++

[Launch](#)

2. Launch “Essentials of SYCL”

Introduction to GPU Optimization

Learn GPU optimization techniques using SYCL.

[Launch](#)

Migrate from CUDA® to C++ with SYCL®

Optimize apps from traditional CUDA environments

[Launch](#)

Getting Started (2)

The screenshot shows the JupyterLab interface in a browser window. The browser tabs include "Intel® Tiber™ AI Cloud", "JupyterLab (auto-U)", and "lab? (2) - JupyterLab". The address bar shows the URL: "jupyter-batch-us-region-1.cloud.intel.com/user/u920a2c379fce7d2dd4633fc2d19da80/lab/workspaces/auto-U".

The JupyterLab interface has a menu bar with "File", "Edit", "View", "Run", "Kernel", "Tabs", "Settings", and "Help". On the left, there is a file browser with a search bar "Filter files by name" and a list of files and folders:

Name	Modified
/	
Big_Data	2d ago
Training	last mo.
pi	yesterday
pi.cpp	yesterday
Untitled.ipynb	yesterday

The main area is the "Launcher" view, which displays a grid of kernel options. The "Console" view is also visible below the Launcher. The "Other" section at the bottom contains icons for "Terminal", "Text File", "Markdown File", and "Python File". The "Terminal" icon, which is a black square with a white "\$_" symbol, is highlighted with a red box. A blue text overlay "Choose terminal" is positioned above the "Terminal" icon.

A notification dialog box is visible in the bottom right corner, asking: "Would you like to get notified about official Jupyter news?". It includes a link "Open privacy policy" and buttons for "Yes" and "No".

The bottom status bar shows "Simple" mode, a toggle switch, and the number "0". The bottom right corner shows "Launcher 1" and a bell icon.

Compile & Run pi.cpp

The screenshot displays a JupyterLab environment. On the left, a file browser shows the directory structure, with `oneAPI_Intro.ipynb` selected. The main area contains a terminal window with the following output:

```
u920a2c379fce7d2dd4633fc2d19da80@idc-training-gpu-compute-30:~/Training/HPC/oneapi-essentials-training/01_o
neAPI_Intro$ vi pi.cpp
u920a2c379fce7d2dd4633fc2d19da80@idc-training-gpu-compute-30:~/Training/HPC/oneapi-essentials-training/01_o
neAPI_Intro$ icpx -fsycl -o pi pi.cpp
u920a2c379fce7d2dd4633fc2d19da80@idc-training-gpu-compute-30:~/Training/HPC/oneapi-essentials-training/01_o
neAPI_Intro$ ./pi
Running on: Intel(R) Data Center GPU Max 1100
Pi = 3.14159
u920a2c379fce7d2dd4633fc2d19da80@idc-training-gpu-compute-30:~/Training/HPC/oneapi-essentials-training/01_o
neAPI_Intro$
```

A blue arrow points from the text below to the '+' icon in the top-left corner of the JupyterLab interface, indicating where to add a new session.

You can add a new session (e.g., terminal or Jupyter notebook) here