

Skills Network

Overview on Skills Network Labs Cloud IDE environment

You will be using Skills Network Labs (SN Labs) Cloud IDE environment to do the next hands-on lab. SN Labs Cloud IDE is a great way to do course labs and projects without downloading, installing, configuring and integrating software on your own computer. Instead, you do everything in a web browser.

SN Labs Cloud IDE has two major components:

1. Instructions you will be following to do this project
2. Integrated Development Environment (IDE) where you will use terminal, write code and do all other tasks you typically do in an IDE

Skills Network Labs

Instructions

Lab IBMCloud Launch Application

File Edit Selection View Go Run Terminal Help

theia@theiadocker-saishruthin: /home/project ×

theia@theiadocker-saishruthin: /home/projects

Instructions to follow in the project are displayed on the left side of the screen. You can use the toolbar to alter the appearance of the instructions. You can change the font, color, size etc. You can also print instructions. You can also copy code that you need to execute so that you can paste it into the IDE on the right.

- Install python packages required to run the application. Copy and paste the below command to the terminal.

```
pip3 install pandas dash
```

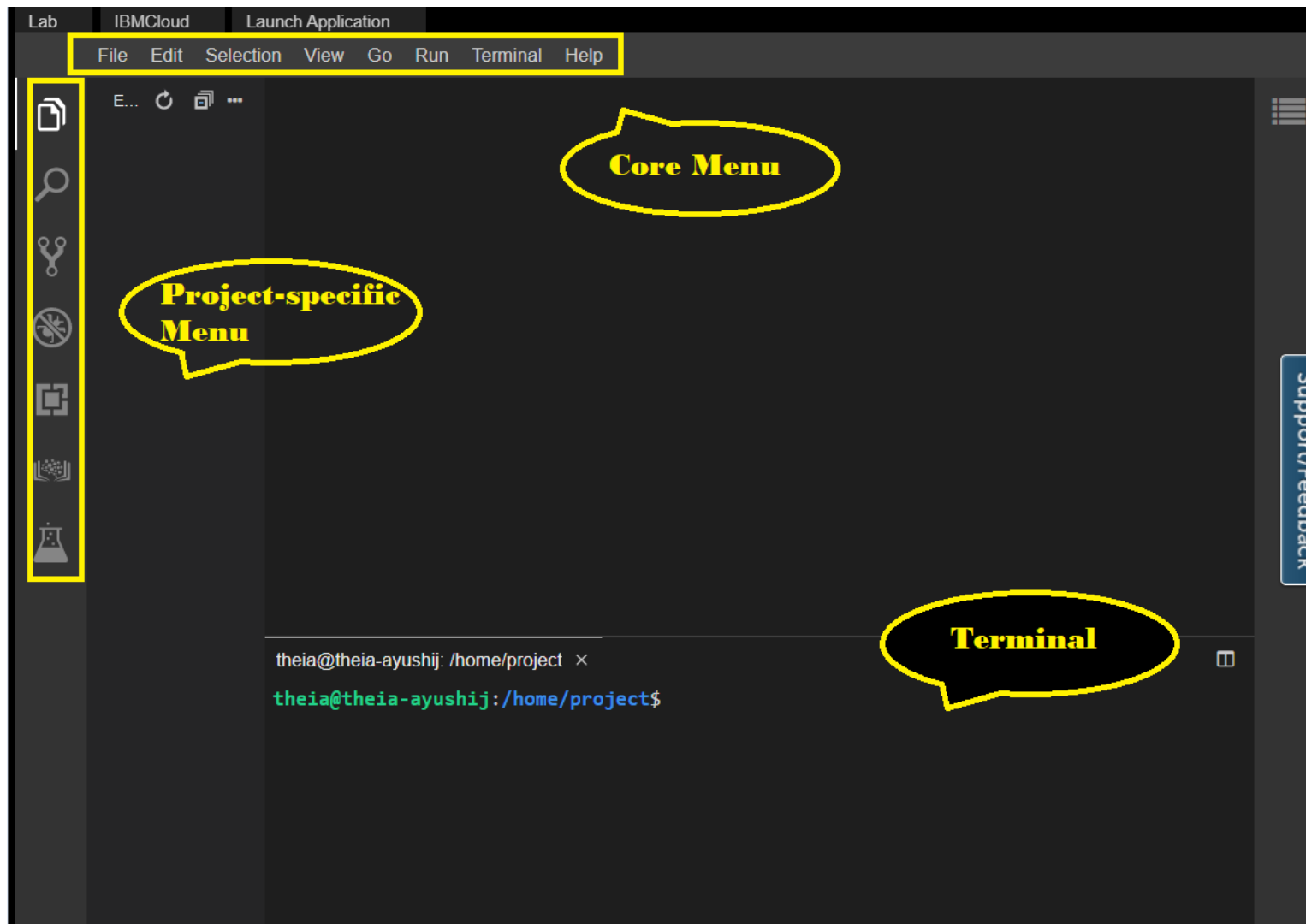
theia@theiadocker-saishruthin: /home/project ×

```
theia@theiadocker-saishruthin: /home/project$ pip install pandas dash
Collecting pandas
  Downloading https://files.pythonhosted.org/packages/db/83/7d4008fffc2988066ff37f6a0bb6d7b60822367dcb36ba5e39aa7801fda54/pandas-0.24.2-cp27-cp27mu-manylinux1_x86_64.whl (10.1MB)
    100% |#####| 10.1MB 116kB/s
Collecting dash
  Downloading https://files.pythonhosted.org/packages/d4/50/e7c2830168db186f84b7de2988543e974433a6c0b0a0b23d51c781e2b2ab/dash-1.20.0.tar.gz (77kB)
    100% |#####| 81kB 11.0MB/s
Collecting numpy==1.12.0 (from pandas)
  Downloading https://files.pythonhosted.org/packages/3a/5f/47e578b3ae79e2624e205445ab77a1848acd929a00eeef6b16eaaeb20/numpy-1.16.6-cp27-cp27mu-manylinux1_x86_64.whl (17.0MB)
    100% |#####| 17.0MB 68kB/s
Collecting pytz==2011k (from pandas)
  Downloading https://files.pythonhosted.org/packages/70/94/784178ca5dd892a98f113cdd923372024dc84b8d40abe77ca76b5fb90ca6/pytz-2021.1-py2.py3-none-any.whl (510kB)
    100% |#####| 512kB 2.0MB/s
```

theia@theia-ayushij: /home/project ×

```
theia@theia-ayushij: /home/project$
```

If you have used Integrated Development Environments (IDE) like Visual Studio Code (VS Code) you will be instantly familiar with the Cloud IDE provided by the SN Labs. You will using the terminal most often but you will have access to all other functions of the IDE. When your project launches, you can open a terminal session from the core menu. Go to *Terminal* > *New Terminal* to open a terminal.



Author

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Changelog

| Date | Version | Changed by | Change Description |
|------------|---------|-------------|------------------------------------|
| 2023-05-05 | 1.2 | Eric Hao | Updated Page Frames And Essentials |
| 2021-08-18 | 1.1 | Ayushi Jain | Initial version created |

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