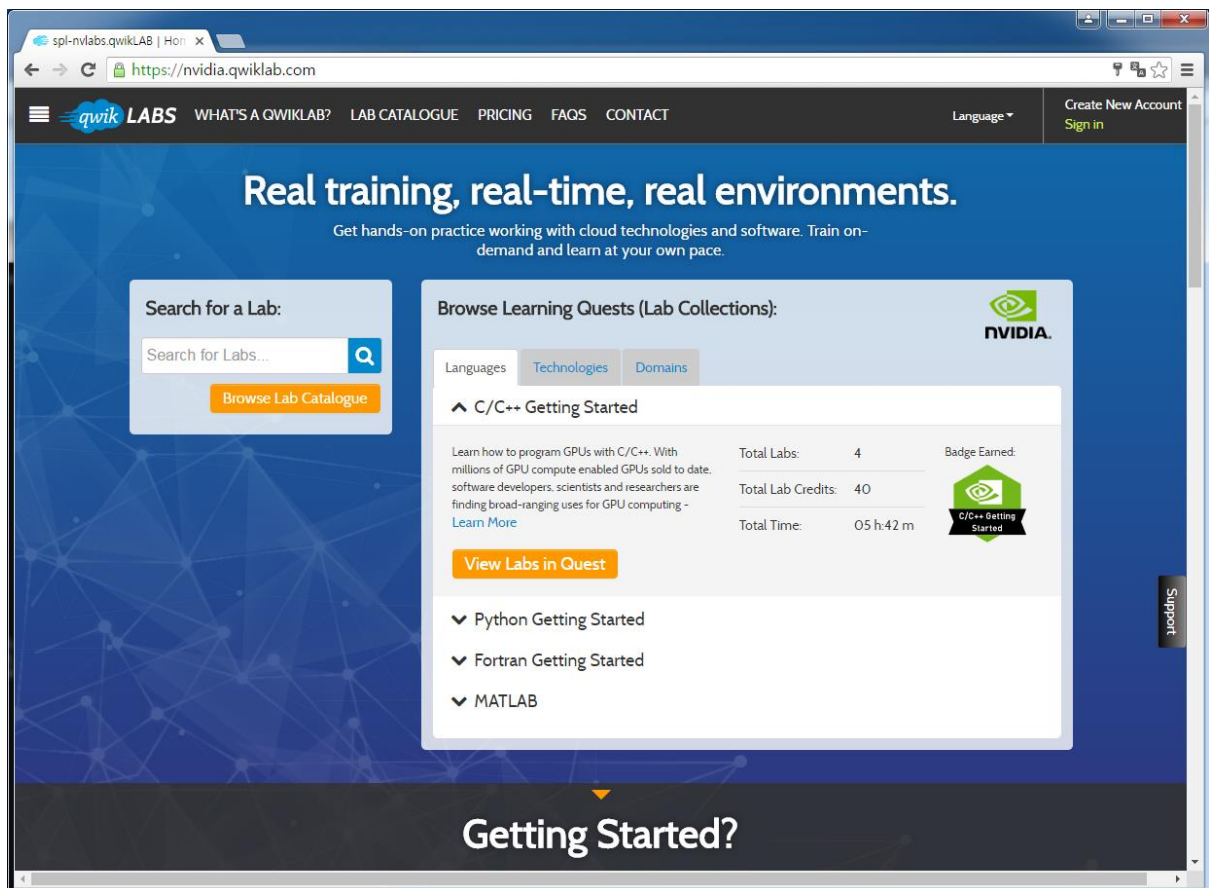


DLI Training Labs 사전 준비 사항

(부록 : QWIKLAB 사용법 안내)

Step1. 사이트 접속

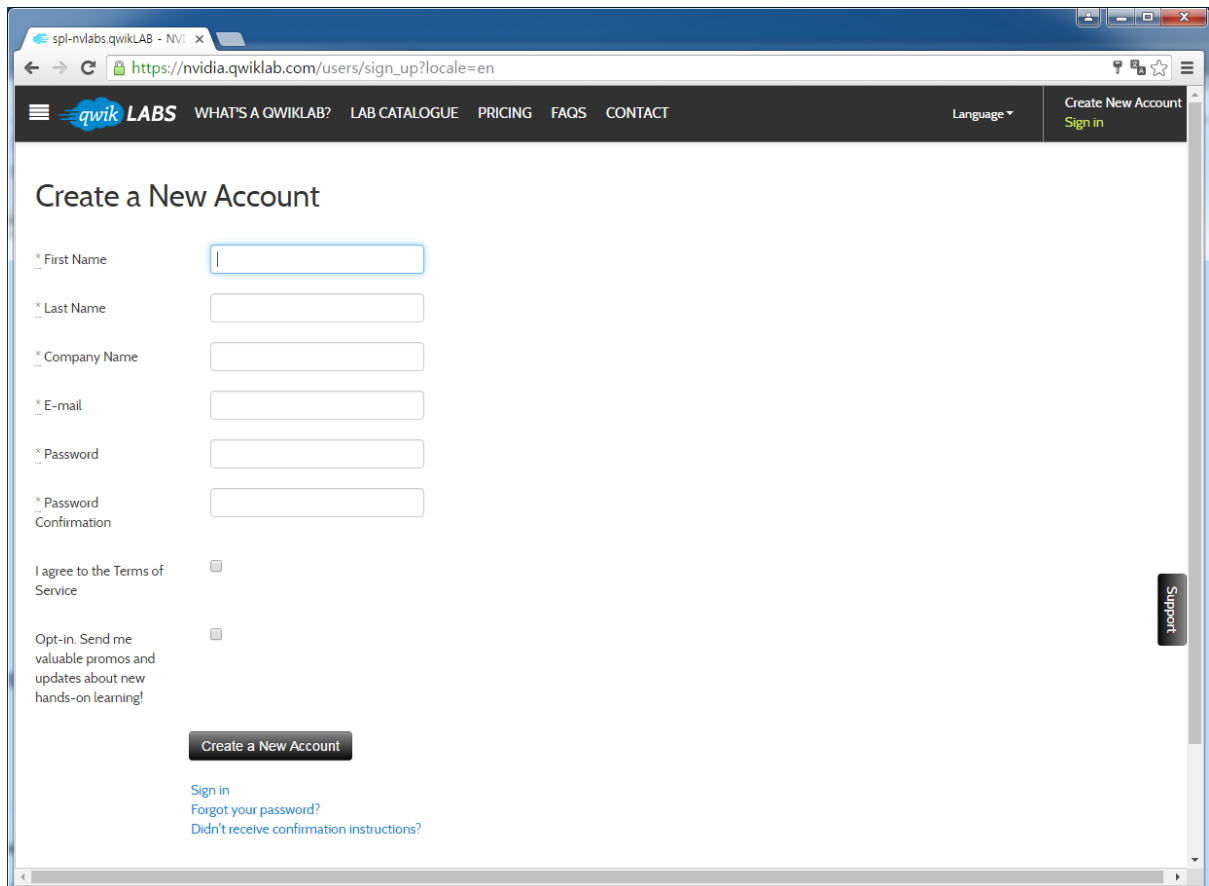
<http://nvidia.qwiklab.com>



Step2. 우상당 회원 가입(Create New Account) 버튼 클릭

입력사항: 이름(First Name), 성(Last Name), 소속 (Company Name), E-mail, Password 입력합니다.

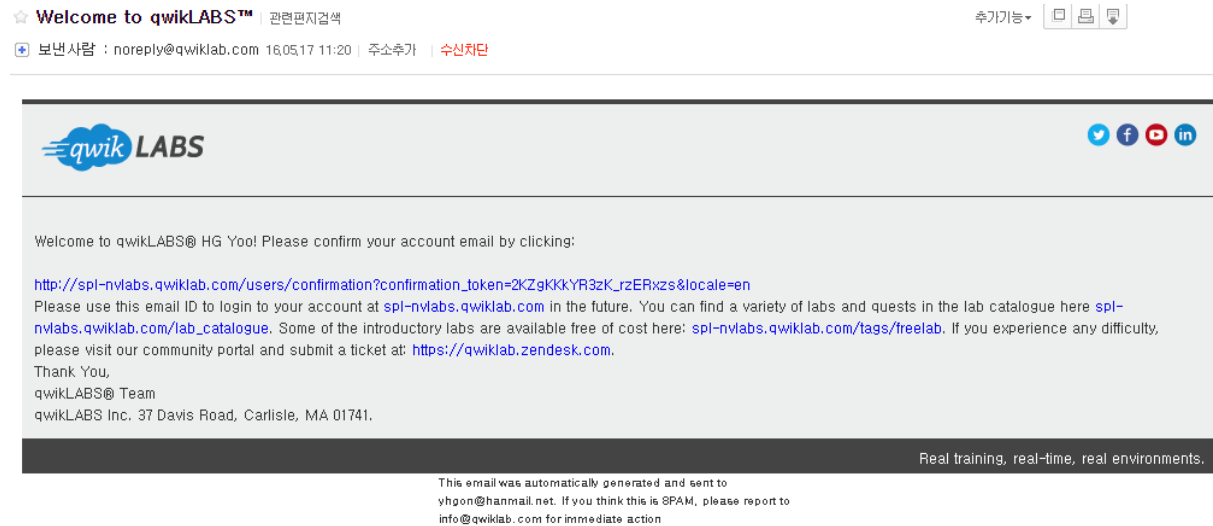
(로그인시 사용되는 ID는 E-mail 주소임)



The screenshot shows a web browser window displaying the 'Create a New Account' page on the NVIDIA QwikLAB website. The browser's address bar shows the URL: https://nvidia.qwiklab.com/users/sign_up?locale=en. The page header includes the QwikLAB logo and navigation links: WHAT'S A QWIKLAB?, LAB CATALOGUE, PRICING, FAQs, and CONTACT. There are also links for 'Language' and 'Create New Account' with a 'Sign in' option. The main content area is titled 'Create a New Account' and contains several input fields: 'First Name', 'Last Name', 'Company Name', 'E-mail', 'Password', and 'Password Confirmation'. Below the input fields are two checkboxes: 'I agree to the Terms of Service' and 'Opt-in. Send me valuable promos and updates about new hands-on learning!'. A 'Create a New Account' button is positioned below the checkboxes. At the bottom of the form, there are links for 'Sign in', 'Forgot your password?', and 'Didn't receive confirmation instructions?'. A 'Support' button is visible on the right side of the page.

Step3. 인증메일 확인 및 계정 활성화

등록한 메일의 메일함을 열어보면 인증메일이 존재합니다. 이를 열어서 파란색 첫줄을 클릭해주면 인증확인이 됩니다.



Step 4. Qwiklab 메일 발송

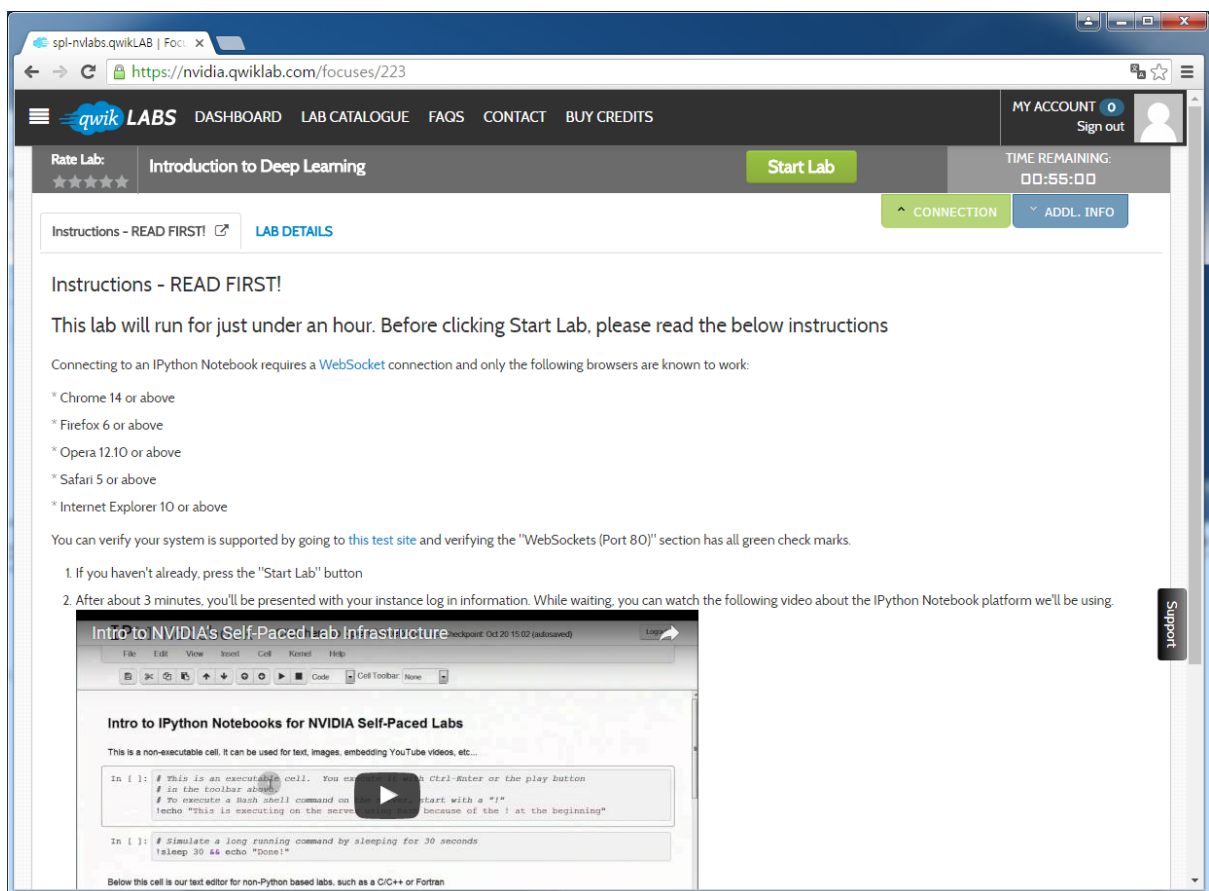
이름, 전화번호, 계정 등록시 사용한 email 을 행사 담당자에게 발송해야 합니다.

메일 주소는 다음과 같습니다 (kor_nvidia@naver.com)

(부록 : QWIKLAB 사용법 안내)

로그인 후 세션 실행

Introduction to Accelerated Computing 세션을 선택한 후 Start Lab 버튼을 클릭하여 서버를 켜줍니다. 아마존 서버를 켜는데 약 4분 정도의 시간이 소요됩니다.



The screenshot shows the QwikLAB interface for the 'Introduction to Deep Learning' lab. The page includes a 'Start Lab' button, a 'TIME REMAINING' indicator, and instructions for connecting to an IPython Notebook. A video player is embedded in the instructions.

Rate Lab: Introduction to Deep Learning Start Lab TIME REMAINING: 00:55:00

Instructions - READ FIRST! LAB DETAILS

Instructions - READ FIRST!

This lab will run for just under an hour. Before clicking Start Lab, please read the below instructions

Connecting to an IPython Notebook requires a [WebSocket](#) connection and only the following browsers are known to work:

- * Chrome 14 or above
- * Firefox 6 or above
- * Opera 12.10 or above
- * Safari 5 or above
- * Internet Explorer 10 or above

You can verify your system is supported by going to [this test site](#) and verifying the "WebSockets (Port 80)" section has all green check marks.

1. If you haven't already, press the "Start Lab" button
2. After about 3 minutes, you'll be presented with your instance log in information. While waiting, you can watch the following video about the IPython Notebook platform we'll be using

Intro to NVIDIA's Self-Paced Lab Infrastructure checkpoint Oct 20 15:02 (autosaved) Logout

Intro to IPython Notebooks for NVIDIA Self-Paced Labs

This is a non-executable cell. It can be used for text, images, embedding YouTube videos, etc...

```
In [ ]: # This is an executable cell. You execute it with Ctrl-Enter or the play button
# In the toolbar above
# To execute a Bash shell command on the server, start with a "!" because of the ! at the beginning
!echo "This is executing on the server"
```

In []: # Simulate a long running command by sleeping for 30 seconds
!sleep 30 && echo "Done!"

Below this cell is our text editor for non-Python based labs, such as a C/C++ or Fortran

아마존 서버 켜는 중..

Start 버튼을 누르고 약 4분 정도 소요됨.

서버가 켜지는 동안 **Instruction**을 읽어 볼 것을 권장합니다. **IPython Notebook**의 원활한 접속을 위해 최신 브라우저와 원활한 네트워크 접속 환경이 필요합니다.

The screenshot shows a web browser window displaying the QwikLABS interface. The URL is <https://nvidia.qwiklab.com/focuses/37>. The page title is "Introduction to Accelerated Computing". The interface includes a navigation menu with options like "DASHBOARD", "LAB CATALOGUE", "FAQS", "CONTACT", and "BUY CREDITS". There is a "MY ACCOUNT" section with a "Sign out" button. The main content area shows a "Rate Lab" section with a star rating, a "Lab Description" section with a "Lab Description" button, and a "Lab Details" section with a "CONNECTION" button and an "ADDL. INFO" button. The "Lab Description" section includes a table with the following data:

Setup Time (min.)	4
Duration (min.)	45
Access (min.)	55

The "Lab Description" section also includes the following text:

Tags: self-paced, C, C++, CUDA, OpenACC, Python, free

Levels: Introductory

Lab Description: Learn about the three techniques for accelerating code on a GPU: Libraries, Directives like OpenACC, and writing code directly in CUDA-enabled languages. In 45 minutes, you will work through a few different exercises demonstrating the potential speed-ups and ease of use of porting to the GPU.

Date Created: April 14, 2016 09:40 AM

AWS Region: [us-east-1] US East (N. Virginia)

The footer includes a "Support" button and a copyright notice: © qwikLABS® '12-'16; a computer lab for everyone vtoscana(0512-0).

아마존 서버 작동

Click Here 버튼을 클릭하여 Lab을 시작합니다.

The screenshot shows a web browser window at <https://nvidia.qwiklab.com/fociuses/37>. The page title is "Introduction to Accelerated Computing" with a 5-star rating. The interface includes a navigation bar with "LAB CATALOGUE", "FAQS", "CONTACT", and "BUY CREDITS". A user account section shows "MY ACCOUNT" and "Sign out".

The main content area is divided into two columns:

- Lab Connection:** Contains a warning box: "Warning: Please do not transmit any data into the AWS resources used in this lab that are not related to qwikLABS® or the hands-on lab you are taking."
- Connection:** Shows a password field with the value "hdFT223zyrt" and a "Click here to launch your lab." link. There are "CONNECTION" and "ADDL. INFO" buttons.

Below the connection section, there are system requirements and a list of steps to follow:

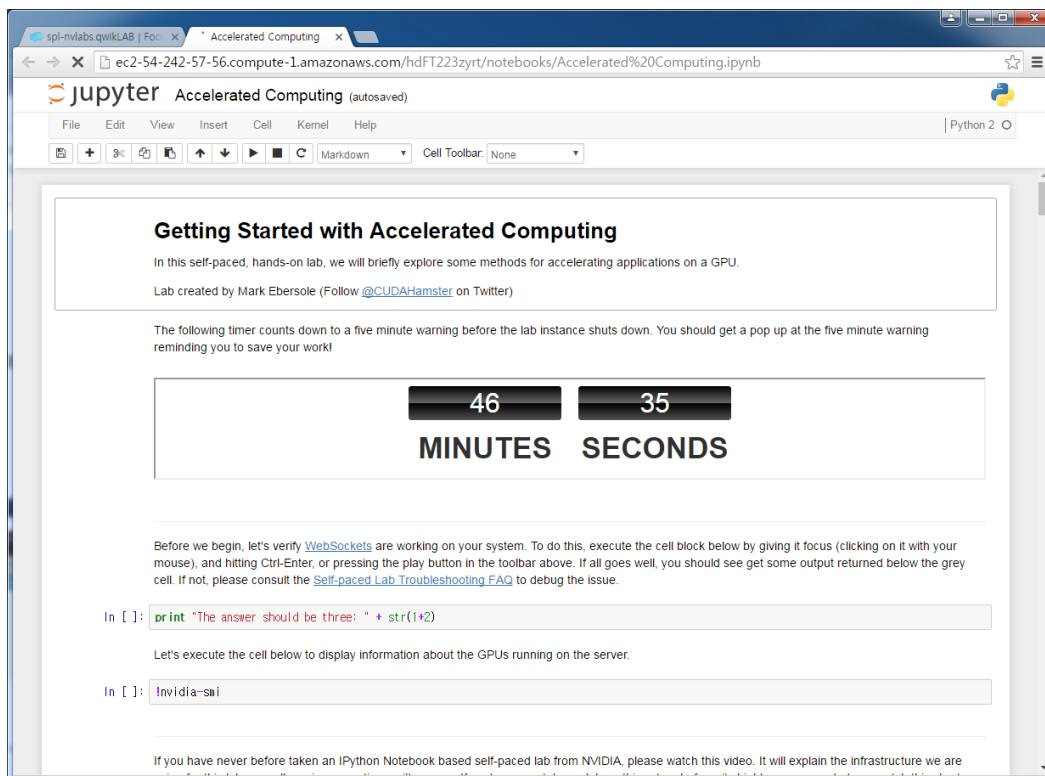
- * Opera 12.10 or above
- * Safari 5 or above
- * Internet Explorer 10 or above

You can verify your system is supported by going to [this test site](#) and verifying the "WebSockets (Port 80)" section has all green checkmarks.

1. If you haven't already, press the "Start Lab" button
2. After about 4 minutes, you'll be presented with your instance login information. While waiting, you can [watch this video](#) about the IPython Notebook platform we'll be using. When it's ready, you can access the instance by doing the following:
 - a. Copy the Password to your clipboard
 - b. Click on the provided link to open up the lab dashboard
 - c. When prompted, paste the given Password from your clipboard and click the Login button
3. Once logged into the instance, select the "GPU Computing - Click to Open" link to open the Notebook.
4. Follow the in-lab instructions and enjoy!

The footer contains a navigation menu with links like "About", "Blog", "Partner Solutions", "Privacy Policy", "Terms Of Service", "Dashboard", "Lab Catalogue", "Faqs", "Contact", and "Buy Credits". It also includes social media icons and copyright information: "© qwikLABS® '12-'16; a computer lab for everyone v.toscana(0512-0)".

랩을 시작하면 IPython 노트북이 실행됩니다.



Python 입력 Cell에 마우스 클릭 후 실행버튼을 클릭하면 서버 측 결과를 확인할 수 있다.

특히, nvidia-smi 명령을 통해 아마존 서버에 nvidia GPU GRID K520이 장착된 것을 확인할 수 있습니다.

