

# How to Access the OpenACC Lab on Linux Academy

1. Follow link: <https://linuxacademy.com/join/community?partner=nvidia>
2. Fill in the form to sign up for Linux Academy's Community Edition
3. Sign in
4. You will be directed to the Learning Activity
5. Watch the video & begin!

**If you already have a Linux Academy account:**

1. Log in to your account on [www.LinuxAcademy.com](http://www.LinuxAcademy.com)
2. Follow this link to find Learning activity: <http://bit.ly/2P8xq13>

# If not already a member, please fill in the fields and click 'Join Now'

https://linuxacademy.com/join/community?partner=nvidia

## Introduction to OpenACC


The lab, organized by OpenACC.org, Amazon Web Services, NVIDIA, and Linux Academy is comprised of three instructor-led classes that include interactive lectures with dedicated Q&A sections and hands-on exercises. The lab covers analyzing performance, parallelizing and optimizing your code.

This free Introduction to OpenACC lab is designed to help you start accelerating your code with OpenACC. No prior experience with OpenACC directives or GPU programming in general is assumed. Programming experience with C, C++, or Fortran is desirable. Sign up on this page and get started with the lab!

**OpenACC**  
More Science. Less Programming

**NVIDIA**

**aws**



### Schedule

Date	Topic
October 18, 2018	Class #1 - OpenACC Basics (1 hour lecture and 30 minutes Q&A)
October 25, 2018	Class #2 - GPU Programming with OpenACC (1 hour lecture and 30 minutes Q&A)
November 1, 2018	Class #3 - Optimizing and Best Practices for OpenACC (1 hour lecture and 30 minutes Q&A)

### Sign Up Now

Take this learning activity.

First Name

Last Name


Email

Username

Password

Confirm Password

☐ You agree to our [Terms of Service](#).

☐ I'm not a robot 

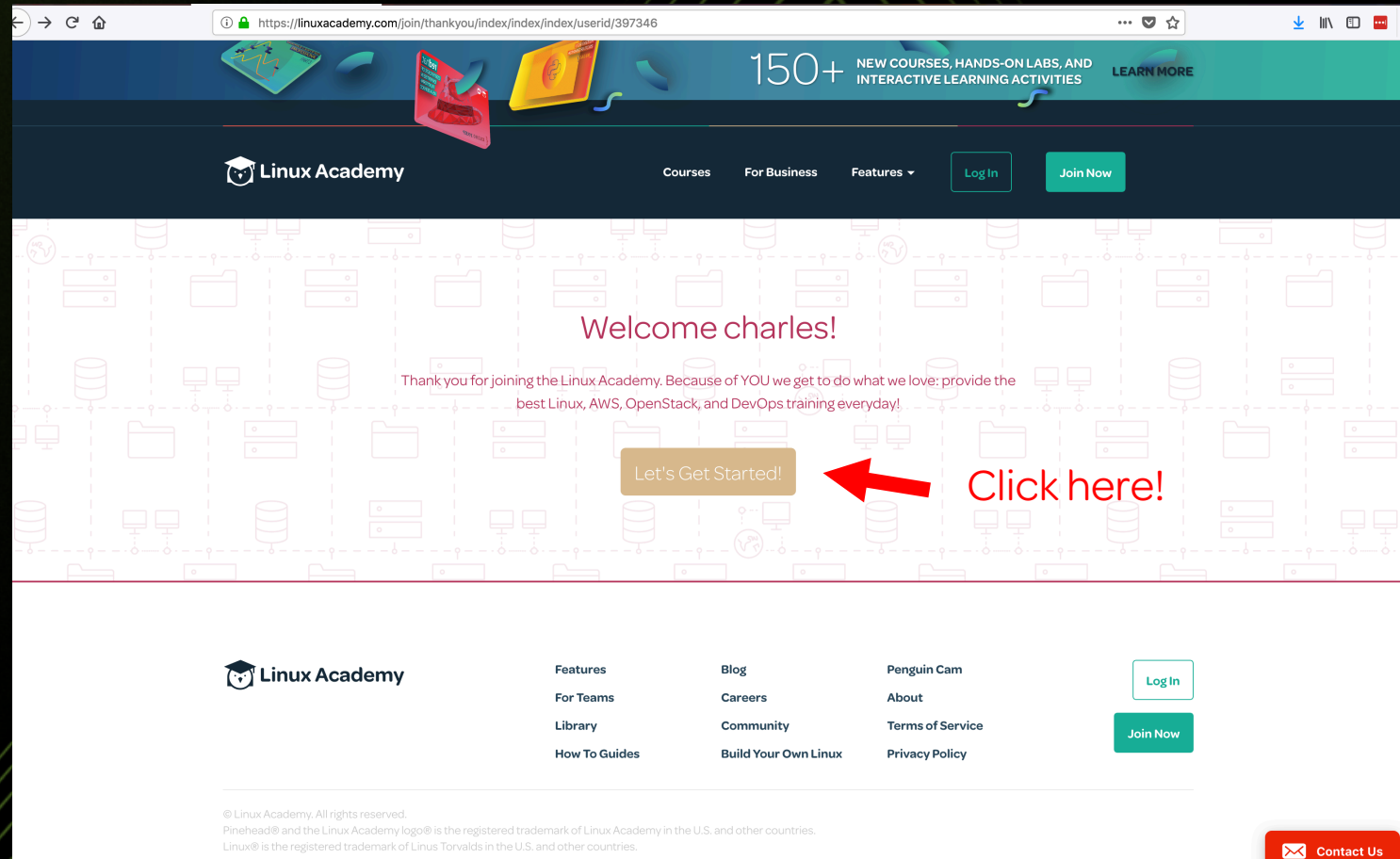
[Join Now >](#)

[Already a member? Log In.](#)

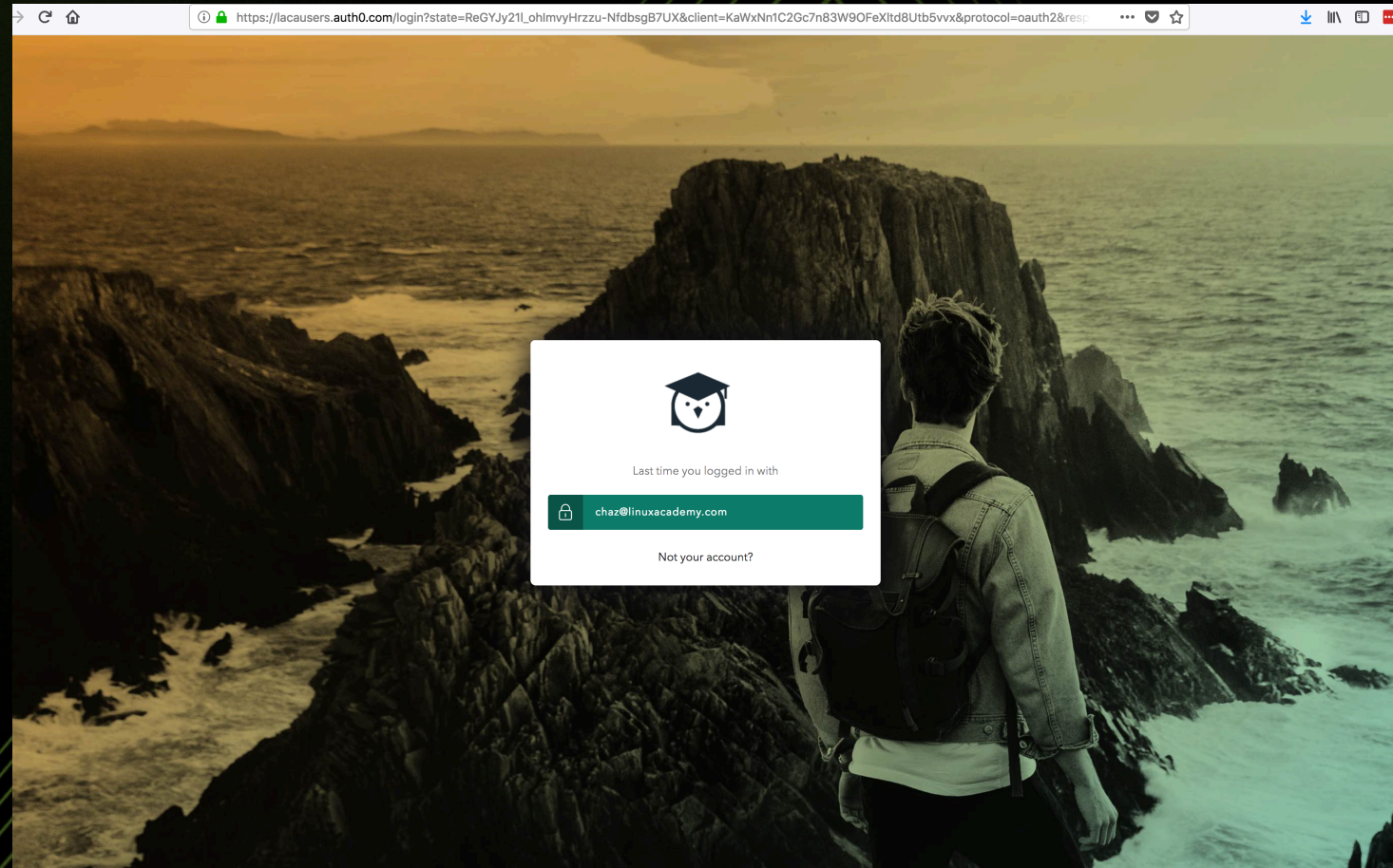
https://linuxacademy.com/join/community?partner=nvidia



# You will be redirected to this page. Simply click 'Let's get started!'



# Sign in to be redirected to the lab





# Now Click 'Start Activity to begin lab'

The screenshot shows the Linux Academy website interface. The header includes the Linux Academy logo, a 'BETA' badge, and navigation links for Home, Training, Cloud Servers, Quick Training, Hands-on Labs, Learning Paths, and Community. The main content area features a yellow banner for 'Active learning activity'. Below this, the 'Introduction to OpenACC - NVIDIA OpenACC Online Lab' is displayed. It includes a description of the lab, completion time information (Avg. Completion Time: 1 hour, Max Time: 1 hour 30 minutes), and a 'Start Activity' button. A red arrow points to the 'Start Activity' button. The page also shows 'Rewards' and a 'Contact us' button at the bottom right.

Linux Academy BETA

21 2166 Summer Content Releases Support chaz@linuxacademy.com

Home Training Cloud Servers Quick Training Hands-on Labs Learning Paths Community



Active learning activity

Avg. Completion Time: 1 hour Max Time: 1 hour 30 minutes

## Introduction to OpenACC - NVIDIA OpenACC Online Lab

OpenACC.org, Amazon Web Services, NVIDIA, and Linux Academy have organized the Introduction to OpenACC lab. This lab consists of three instructor-led classes that include interactive lectures, dedicated Q&A sessions, and hands-on exercises. The lab covers analyzing performance, parallelizing, and optimizing code.

Experience programming in C, C++, or Fortran is helpful but not required. You do not need any prior experience with OpenACC directives or GPU programming to complete this lab.

Rewards:   [Start Activity](#)

Contact us

# In the Learning Activity, notice the Public ip address of public instance

The screenshot shows the Linux Academy website interface. The top navigation bar includes the Linux Academy logo, a 'BETA' badge, and user information. Below this is a secondary navigation bar with icons for Home, Training, Cloud Servers, Quick Training, Hands-on Labs, Learning Paths, and Community. A yellow banner indicates an 'Active learning activity'.

The main content area is titled 'Introduction to OpenACC - NVIDIA OpenACC Online Lab'. It features a timer showing '42 Min. Remaining' and buttons for 'Complete Activity' and 'Cancel Activity'.

On the left, the 'Credentials' section displays 'CLOUD SERVER' and 'Public Instance'. It includes a link 'How do I connect?' and the 'Public ip address of public instance: 52.12.12.212'. A red arrow points to this IP address. Below this is the 'Instructions & Tasks' section, which provides instructions for the lab session and a checkbox for 'NVIDIA LAB 1'.

On the right, the 'Tools' section includes buttons for 'Instant Terminal' and 'View Architectural Diagram'. Below these is a video player featuring Anthony James, the Linux Academy founder and CEO, with the text 'Welcome to Linux Academy!' and a 'Contact us' button.



# Click the clipboard to copy the ip address

## Introduction to OpenACC – NVIDIA OpenACC Online Lab

### Credentials

#### CLOUD SERVER

Public Instance

[? How do I connect?](#)

Public ip address of public instance:

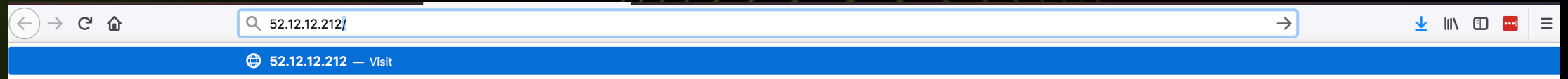
**52.12.12.212** 



Copy to clipboard

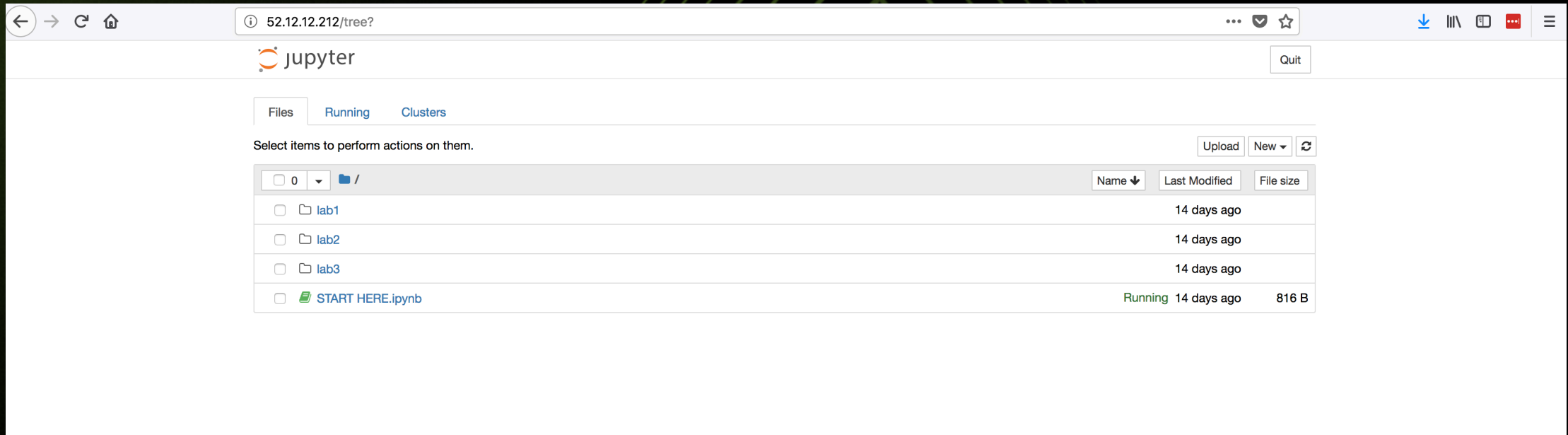
[? Port 22 blocked?](#)

# Now paste the ip into a browser of your choice





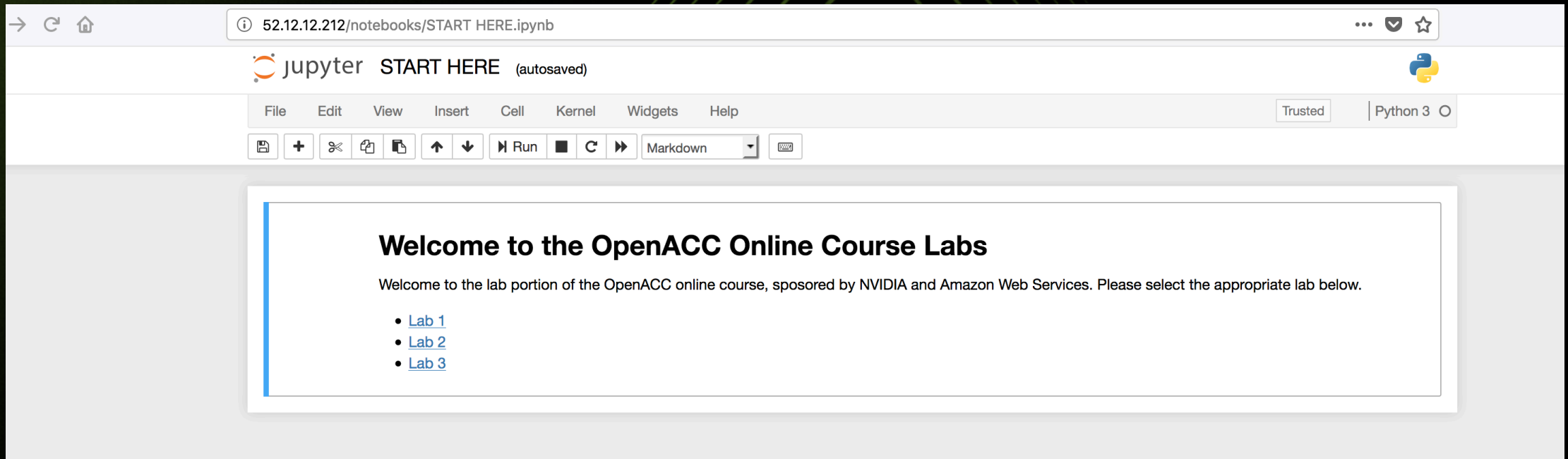
# Now Click 'START HERE.ipynb' to access the tutorial



The screenshot shows the JupyterLab web interface in a browser window. The address bar displays '52.12.12.212/tree?'. The Jupyter logo is in the top left, and a 'Quit' button is in the top right. Below the logo, there are tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is active, showing a message 'Select items to perform actions on them.' and buttons for 'Upload', 'New', and a refresh icon. A file list table is displayed with columns for selection, name, last modified, and file size.

	Name	Last Modified	File size
<input type="checkbox"/>	lab1	14 days ago	
<input type="checkbox"/>	lab2	14 days ago	
<input type="checkbox"/>	lab3	14 days ago	
<input type="checkbox"/>	START HERE.ipynb	Running 14 days ago	816 B

# From this page you have access to the tutorials for labs 1-3



The screenshot shows a JupyterLab web interface. The browser address bar displays '52.12.12.212/notebooks/START HERE.ipynb'. The JupyterLab header includes the 'jupyter' logo, the text 'START HERE (autosaved)', and a Python 3 kernel icon. Below the header is a menu bar with 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help'. A toolbar contains icons for file operations (save, new, open, close), navigation (up, down), execution (run, interrupt, step), and a dropdown menu currently set to 'Markdown'. The main content area features a white box with a blue border on the left side. Inside this box, the heading 'Welcome to the OpenACC Online Course Labs' is followed by a paragraph: 'Welcome to the lab portion of the OpenACC online course, sponsored by NVIDIA and Amazon Web Services. Please select the appropriate lab below.' Below the paragraph is a bulleted list of three links: 'Lab 1', 'Lab 2', and 'Lab 3'.

→ ↻ 🏠 52.12.12.212/notebooks/START HERE.ipynb ... 🔒 ☆

jupyter START HERE (autosaved) Python 3

File Edit View Insert Cell Kernel Widgets Help Trusted Python 3

📁 + ✂ 📄 🗑 ⬆ ⬆ ⏪ Run ⏹ ⏩ ⏩ Markdown 🗑

## Welcome to the OpenACC Online Course Labs

Welcome to the lab portion of the OpenACC online course, sponsored by NVIDIA and Amazon Web Services. Please select the appropriate lab below.

- [Lab 1](#)
- [Lab 2](#)
- [Lab 3](#)