

Lab - Explore DevNet Resources

Objectives

In this activity, you will explore the resources available at the Cisco Developer website.

Background / Scenario

DevNet hosts many resources for developers. As a developer, you will need to understand what is available and what offerings are useful for the platform for which you will develop. You must be familiar with what is available on the site and how to find what you need to begin developing.

In this lab, you will tour the Cisco Developer site to ensure that you know how to get around and find what you need.

Required Resources

- 1 PC with operating system of your choice
- Internet access

Note: Although you can use your **DEVASC VM** to complete this lab, it is not required.

Instructions

Part 1: Explore More Resources

In this part, you spend some time looking through all the available resources at developer.cisco.com.

Step 1: Explore the Start Now page.

The Cisco Developer home page has many different ways to find content.

- Navigate to developer.cisco.com. Click **SIGN UP FREE** or **LOG IN** to access all available resources.
- From the Cisco Developer home page, click **Learn** menu and select **Start Now**.

This part of the site links you to entry level content in small chunks based on a common technology area.

- Click **Networking 101**.

This is a combination of labs that teaches the fundamentals of networking.

How many labs are linked on this page?

What is the total length of the labs?

- Return to the Cisco Developer home page.

Step 2: Explore the Video course page.

Many people prefer to use videos as a primary way to learn. Videos can also help to reinforce the content learned in other ways. They are also a great way to learn on mobile devices when on the go.

- From the Cisco Developer home page, click **Learn** menu and select **Video Courses**.

You can sample any of the modules by clicking any of the videos. You can also play the entire module or jump to any video of your choice.

How many modules are available as video-based?

How many videos are available in the Network Device APIs module?

- b. Return to the Cisco Developer home page.

Step 3: Explore the Sandbox page.

One of the greatest things about DevNet is the Sandbox. This is a place where you can run your code against real equipment! There are virtualized environments, simulators, and real hardware available for free! Some labs are always running while others require a reservation.

- a. From the Cisco Developer home page, click **Learn** menu and select **Sandboxes**.
- b. Click **Learn More**. A new tab will open with an overview of the Sandbox.

Which type of Sandbox provides private access to packaged labs?

Where can you go for help if you have difficulty or wish to ask a question about the Sandboxes?

- c. Close this tab and return to the Cisco Developer **Sandbox** tab.
- d. The Sandboxes are grouped by technology type. Click **Data Center**. A new tab will open with some featured Sandboxes. Notice that the Sandbox Catalog can be found on the left of the page. This allows you to open any of the other Sandbox technology type.
- e. Click **Explore all Data Center Sandboxes**. A new tab opens showing several data center sandboxes. Select the **ACI Simulator AlwaysOn V6** sandbox. A new tab will open with the details about the lab, as the blueprint.

The center of the page shows the topology of the lab if there is one. The right side of the page shows the resource structure of the lab if there are any additional resources in the lab. The overview or instructions for the lab are on the left side of the page. There are also details about how to connect to the ACI server.

What is the url to connect to the ACI server to start the lab?

Why is it important not to upload very large resources to the lab?

- f. Close the **ACI Simulator Sandbox Lab** tab. Close the **Data Center** catalog tab.
- g. When you would like to begin your first Sandbox on your own time, log into APIC by following the instructions in the ACI Lab Overview tab. After logging into APIC, you can click **QuickStart** to find out how to start configuring essential elements. For now, return to the Cisco Developer home page.

Step 4: Explore the Code Exchange page.

The **Code Exchange** page allows you to work with all kinds of code related to Cisco technologies. These are GitHub projects that help you build and collaborate on projects. You can search for a specific repository or browse by technology.

- a. From the Cisco Developer home page, click **Learn** menu and select **Code Exchange**.

- b. Click **Explore repos**.
- c. Select the **Webex** under the Cisco Products heading.
- d. Choose any repo.

This page tells you all about the project including how to install it, how to use it, and how to download the repository. The link to the GitHub location will tell you much more about the project and show the contents of the different branches.

What is the name of the project?

What category(-ies) does the project fall under?

What support options does this project provide?

- e. Return to the Cisco Developer home page.

Step 5: Explore Cisco Developer platforms.

Cisco Developer site organizes even more information around different platforms.

- a. From the Cisco Developer home page, click any category of platforms you are interested in.
- b. Click any platform you are interested in and explore the page.

Which category did you choose?

What platform did you explore?