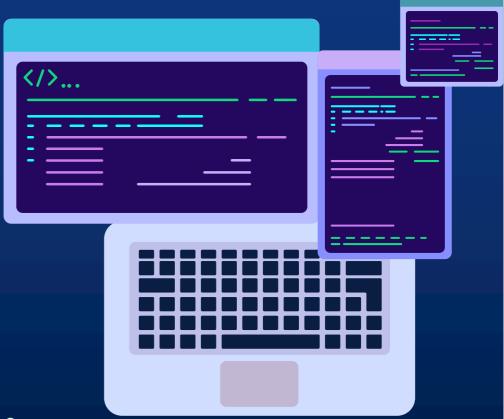
## O1 Understand how to use Packet Tracer

Class code: KCS414

Year Offering: 2025, 2<sup>nd</sup> Term Target Grade Level: 4th Grade

Japanese Course Title: ネットワーク入門1,2



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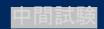


The Access

Laver

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### 1. About Today's Class

- 1. Create your CISCO Networking Academy account
- 2. Install the Packet Tracer on your PC and understand its basic usage
- 3. Exercise: Using the Packet Tracer
- 4. Check Test 1





### 1. 今日の授業について

### Packet Tracerをインストールして使ってみる。

- 1. CISCO Networking Academy のアカウントを作成する
- 2. CISCO Packet TracerをPCにインストールし、その基本的な使い方を理解する
- 3. 演習: Packet Tracerの使用方法
- 4. 確認テスト







### 2. Today's Goal

- 1. Create your CISCO Networking Academy account
- 2. Install the Packet Tracer on your PC and understand its basic usage
- 3. Complete the exercise using the Packet Tracer





### 2. 今日の目標

- 1. CISCO Networking Academy のアカウントを作成する
- 2. CISCO Packet TracerをPCにインストールし、その基本的な使い方を理解する



3. Packet Tracerを使用して演習を完了する

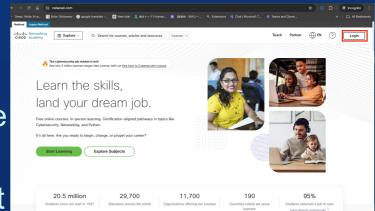


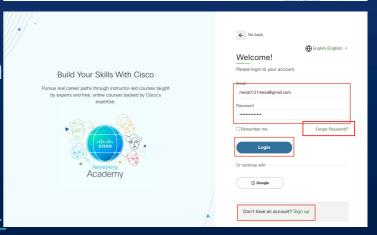


### 1. Creation of CISCO Networking Academy account

- 1.Go to https://netacad.com/
- 2. Click "Login"
- 3. If you can login with your account, you have created before, skip to #4.
  - If you forgot the password, click: Forgot Password?"
  - If you don't have an account, click "Sign Up"
- 4. Login to the "Getting Started with Cisco Packet Tracer" page.

https://www.netacad.com/courses/getting-started-cisco-packet-tracer?courseLang=en-US





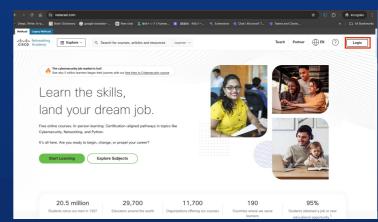
#### Japanese



### 1. CISCO Networking Academy のアカウントを作成する

- 1. https://netacad.com/
- 2. 右上の"Login"をクリック
- 3. 右下の"Sign up"をクリック
- 4. アカウントを作成
- 5. 以下の"Getting Started with Cisco Packet Tracer" ページにアクセスをする。

https://www.netacad.com/courses/gettingstarted-cisco-packet-tracer?courseLang=en-US

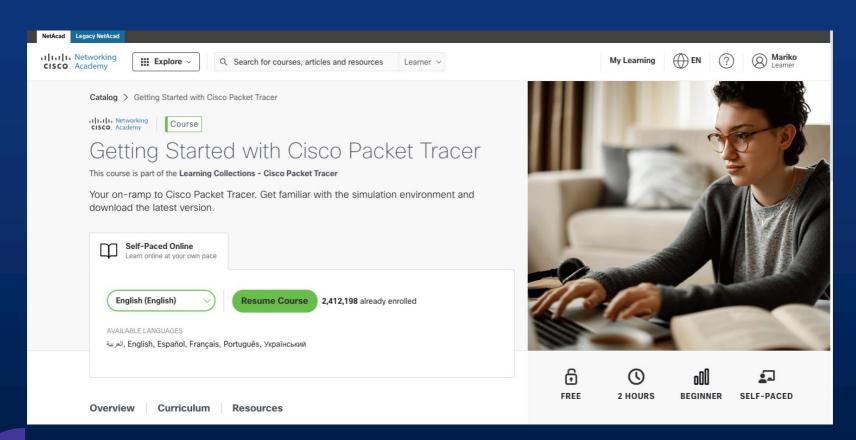








### **Getting Started with Cisco Packet Tracer**





### 1.0 Install Cisco Packet Tracer

- 1.0.1 Video Welcome to Getting Started with Cisco Packet Tracer
- 1.0.2 First Time in the Course



#### Japanese



### 1.0 Install Cisco Packet Tracer

### • 1.0.3 Download Cisco Packet Tracer (30min)



#### Cisco Packet Tracer

Cisco Packet Tracer, an innovative network configuration simulation tool, helps you hone your networking configuration skills from your desktop. Use Packet Tracer to experiment while building, managing & securing infrastructures.

To obtain and install your copy of Cisco Packet Tracer, please follow these simple steps:

Step 1. Download the version of Packet Tracer you require.

Packet Tracer 8.2.2 MacOS 64bit

Packet Tracer 8.2.2 Ubuntu 64bit

Packet Tracer 8.2.2 Windows 64bit

Step 2. Launch the Packet Tracer install program.

Step 3. Launch Cisco Packet Tracer by selecting the appropriate icon.

Step 4. When prompted, click on Skills For All green button to authenticate.

Step 5. Cisco Packet Tracer will launch and you are ready to explore its features.

If you need more guidance, please follow the Cisco Packet Tracer Download and Installation Instructions.

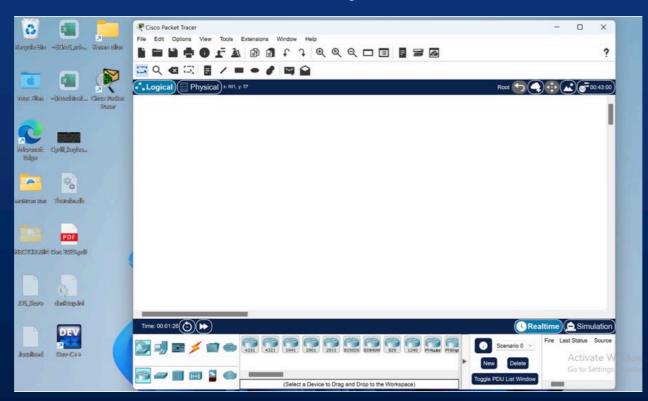
#### **System Requirements:**

Computer with either Windows (10, 11), MacOS (10.14 or newer) or Ubuntu (20.04, 22.04) LTS operating system, amd64(x86-64) CPU, 4 GB of free RAM, 1.4 GB of free disk space



### 1.0 Install Cisco Packet Tracer

Launch the Packet Tracer on your PC





### 1.0 Install Cisco Packet Tracer

• <u>1.0.5 Video - Overview of Cisco Packet Tracer</u>

Cisco Packet Tracerの概要

- ネットワーク練習: Cisco Packet Tracerを使えば、パソコンでネットワーク構成やトラブルシューティングを練習できます。実際の機器がなくてもネットワークのシミュレーションが可能です。
- 機能: ネットワークの基礎的な設定だけでなく、IoT(Internet of Thing)やセキュリティ設定も学べます。
- サンプルファイルを使って練習したり、最初からネットワークを作成したりできます。
- 操作: IPアドレス設定やケーブル接続の構成、データフローやパケット情報の確認も可能です。



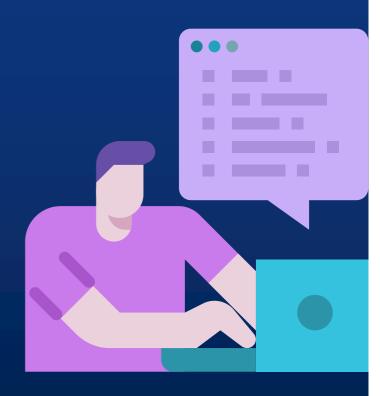


### 1.1 The Cisco Packet Tracer Interface

- 1.1.1 Video The Packet Tracer User Interface
- <u>1.1.2 Video Deploying Devices</u>
- 1.1.3 GUI and CLI Configuration in Cisco Packet Tracer
- 1.1.4 Video Packet Tracer Tutored Activity
- 1.1.5 Video Using PTTA Activities Logical and Physical Mode



# Exercise

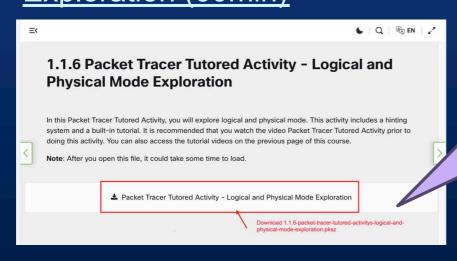




### 1.1 The Cisco Packet Tracer Interface

### Exercise

 1.1.6 Packet Tracer Tutored Activity - Logical and Physical Mode Exploration (60min)



Download 1.1.6-packet-tracer-tutoredactivitys-logical-and-physical-modeexploration.pksz on your PC. Then double click the file to open the exercise in the Packet Tracer simulation tool.

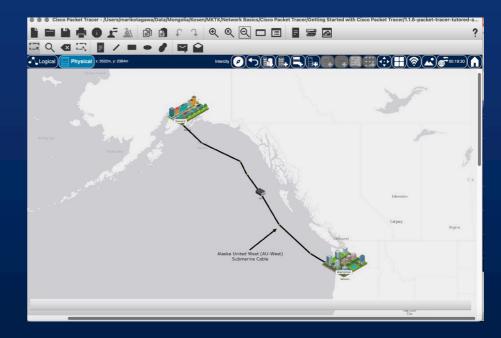


### 1.1 The Cisco Packet Tracer Interface

#### 演習の目的:

CISCO Packet Tracerを使ってみること。

- Seward支社(左上)とWarrentonデータセンター(右下)にアクセスする。
- ネットワークルームのにどんなデバイスがあるか見る。
- PCをネットワークデバイスに接続する
- ルーターをインストールする。
- ルータのホスト名を設定する







### Questions and free discussion

# Do you have any questions or anything you want to discuss?







### Check Your Understanding

https://forms.gle/AVbG9eJ5jw1Ww5VXA





### Reference

- CISCO Network Academy
   Getting Started with Cisco Packet Tracer
   <a href="https://skillsforall.com/course/getting-started-cisco-packet-tracer?courseLang=en-US">https://skillsforall.com/course/getting-started-cisco-packet-tracer?courseLang=en-US</a>
- Textbook: 「図解入門 TCP/IP」みやたひろし

