

Live Virtual Machine Labs is an interactive learning environment in MindTap course activities where Information Technology (IT) students can practice their problem-solving skills, in real time, on live IT systems.

## System Requirements

### Note

Live Virtual Machine Labs is not fully supported on mobile devices.

### Hardware

- CPU: 2GHz / multi-core
- Display: 1280×1024 or higher
- Internet: 5 Mbps download / 1 Mbps upload per user

### Network Latency

Recommended: 200ms

Higher latencies might affect the responsiveness of Live Virtual Machine Labs machines.

## Third Party Cookies

Third party cookies must be enabled to access Live Virtual Machine Labs.

Go to [ng.cengage.com/static/browsercheck/index.html](https://ng.cengage.com/static/browsercheck/index.html) to check your system. Third party cookies can be enabled in your browser settings.

### Note

If you get stuck on the Practice Labs Login page, exit the page and enable third party cookies before attempting access again.

## Prerequisite Assignment

The prerequisite assignment teaches students how to use Live Virtual Machine Labs.

Some learning paths include a Live Virtual Machine Labs prerequisite assignment. If this assignment is part of your learning path, by

default it is available to students and set to count toward their grades.

### Best Practice


Assign the prerequisite assignment at the start of the term.

## Complete a Live Virtual Machine Labs Activity

### Best Practice

Open Live Virtual Machine Labs from your MindTap learning path to experience activities as a student.


Remind students to reserve enough time to complete a Live Virtual Machine Labs activity before starting. Unsubmitted work will not be saved.

- 1 In the learning path, locate and open a Live Virtual Machine Labs activity.
- 2 Click **Start Assignment Now**.  
First time only: Select your preferred settings for Live Virtual Machine Labs activities and click **Continue**. You can change these settings at any time.
- 3 Follow the instructions in the content pane to complete your Live Virtual Machine Labs activity.
- 4 Submit your assignment.
  - a Click **Done** in the content pane.
  - b Click  in the lab toolbar to log out.

## Advanced Accessibility in Live Virtual Machine Labs

Enable Advanced accessibility in Live Virtual Machine Labs for the best compatibility with screen readers.

In addition to the default MindTap accessibility features, Live Virtual Machine Labs have an Advanced accessibility setting to optimize interactions between virtual devices and screen readers. Turning on Advanced accessibility enables text-to-speech for Cisco console sessions and opens devices in new windows.

- 1 Open any Live Virtual Machine Labs activity.
- 2 Click .
- 3 Under Platform, toggle Advanced accessibility **On**.

## More Information

Find more information about MindTap and Live Virtual Machine Labs online.

- [help.cengage.com/mindtap/mt-instructor](https://help.cengage.com/mindtap/mt-instructor)
- [help.cengage.com/mindtap/mt-student](https://help.cengage.com/mindtap/mt-student)
- [www.cengage.com/training/mindtap?platform=MindTap&mindAppType=Live%20Virtual%20Machine%20Labs](https://www.cengage.com/training/mindtap?platform=MindTap&mindAppType=Live%20Virtual%20Machine%20Labs)


## Troubleshooting

### Can't Start Live Virtual Machine Labs Virtual Machine

The Live Virtual Machine Labs activity does not start and displays An error occurred while attempting to start the selected virtual machine(s).

Verify that you meet the system requirements for Live Virtual Machine Labs.

### Need Login Credentials


Click  to display the login credentials for the virtual machine.


### Session Data is Invalid

This happens if you are signed in more than once.

Sign out of any sessions in other browser windows.

### Live Virtual Machine Labs Connection Lost

Click  to reconnect to the virtual machine.

If available, click  to bypass any windows networking issues.


### Completed Lab Displays as In Progress

This happens if you complete an activity without clicking **Done** at the bottom of the content pane.

Reopen the activity and click **Done**.

### General Errors with Live Virtual Machine Labs

Verify that you meet the system requirements for Live Virtual Machine Labs.

To reset all lab devices to their default state, click .

### Network Troubleshooting

See [www.practice-labs.com/support/#/userguide/connecting%23ref-network-troubleshooting](https://www.practice-labs.com/support/#/userguide/connecting%23ref-network-troubleshooting).