



Virtual Tools in ITE: PC Hardware and Software v4.0



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Mind Wide Open™



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Scope of this Session

- Virtual Desktop and its use in the classroom
- Virtual Laptop and its use in the classroom
- Packet Tracer and its use in the classroom
- Other Virtual Tools:
 - VSee
 - Remote Desktop

Virtual Desktop





Virtual Desktop

- Learn
- Test
- Explore
- Activities
- Virtual Desktop

The screenshot displays the 'IT Essentials Virtual Desktop' interface. At the top, there is a Cisco logo and a 'Help' button. The main content area is titled 'WELCOME TO IT ESSENTIALS VIRTUAL DESKTOP' and includes a 'SKIP' button. Below the title, there is a paragraph of introductory text and a 'Show instructions' link. To the right, a 'LEARN' section lists components: POWER SUPPLY, MOTHERBOARD, CPU, Thermal compound, CPU heat spreader assembly, RAM module (2), and Motherboard. Below this, there are sections for ADAPTER CARDS, INTERNAL DRIVES, BAYS (INTERNAL/EXTERNAL), CABLES (INTERNAL/EXTERNAL), TEST, and EXPLORE. On the right side, a 3D model of a motherboard is shown on an 'ANTISTATIC MAT'. Below the model is a toolbar with icons for GPU, Thermal Compound, HeatSink, Motherboard Screws, Motherboard, and HD. A smaller version of the interface is visible in the background.



Virtual Desktop Resource

- <http://cisco.netacad.net>
- Go to Tools on Academy Connection
- At the Tools page under the section Find Curriculum and Instructional Tools, select the following:
 - For Curriculum, select IT Essentials
 - For Course, select IT Essentials: PC Hardware and Software
 - For Version, select 4.0
 - Then click the Find Tools button
- Scroll to the bottom of the next screen and select the Virtual Activity: Desktop (zipped file)

Find Curriculum & Instructional Tools

* Indicates Required Fields

IT Essentials

IT Essentials: PC Hardware and Software

Select Version

4.0

3.1.1

Show Description

Find Tools

Virtual Laptop





Virtual Laptop

- Learn
- Test
- Explore
- Activities
- Virtual Laptop

WELCOME TO IT ESSENTIALS VIRTUAL LAPTOP SKIP

Our Virtual Laptop enables you learn the steps required to install specific components of the laptop, explore these and other components and test your knowledge.

If this is your first time, please take a moment to walk through the key features of the Virtual Laptop. This tutorial is always available by pressing Help in the upper right hand corner.

LEARN

INTERNAL LAYER

TOP & SIDES LAYER

The sides of the laptop have bays that allow you to install devices that increase the functionality of the laptop. You can install many different devices into the universal bay, including optical drives, hard disk drives, and extra batteries. You can install different types of cards into the PC card slots, including Ethernet, wireless Ethernet, modems, and memory card readers.

On the top and sides of the laptop, you will work with the following components:

- Optical Drive
- PC Card

Show Instructions

DOCKING STATION LAYER

EXTERNAL CABLES LAYER

TEST

EXPLORE

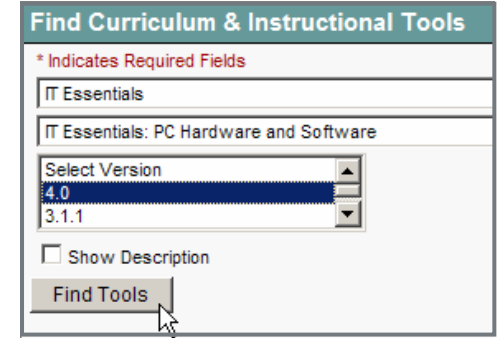
ANTISTATIC MAT

PC Card Laptop Docking Station Power Cable Ethernet Cable Monitor Cable



Virtual Laptop Resource

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 - For Course, select IT Essentials: PC Hardware and Software
 - For Version, select 4.0
 - Then click the Find Tools button
- Scroll to the bottom of the next screen and select the Virtual Activity: Laptop (zipped file)





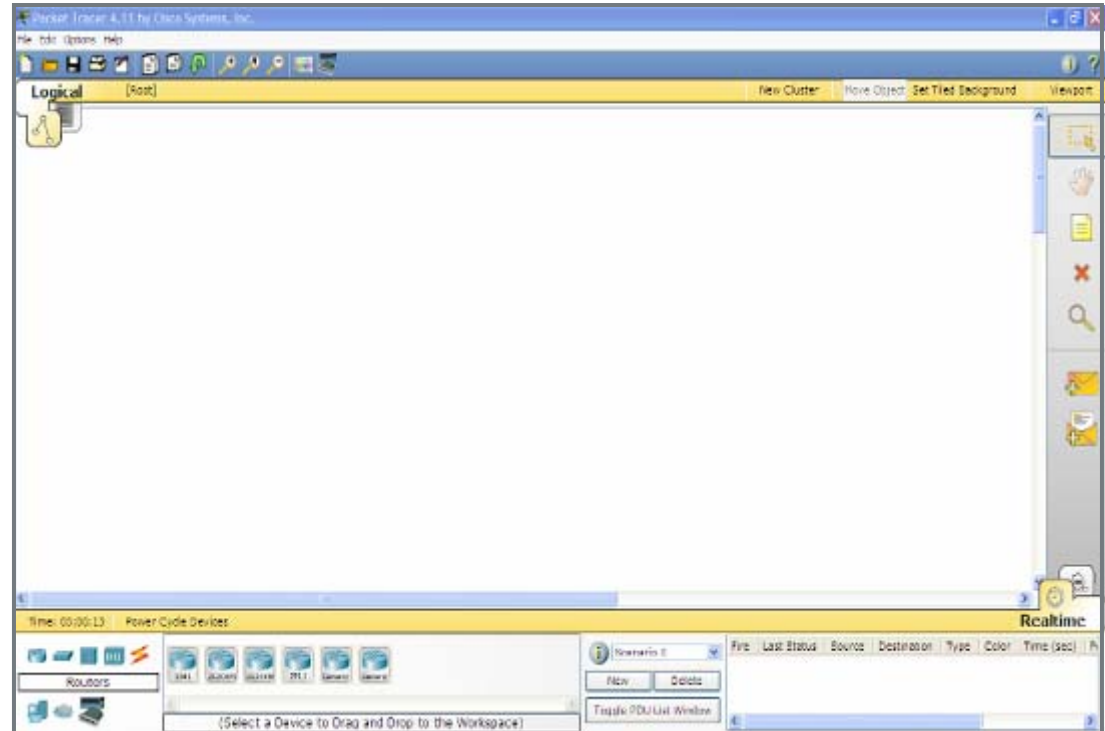
Packet Tracer





Packet Tracer

- Activities
- Spreadsheet of ideas
- Packet Tracer



Packet Tracer Resource

- At the Instructor Home page, select the Packet Tracer banner →
- Scroll down to the Packet Tracer application and click the link to download

The screenshot shows the Cisco Networking Academy Instructor Home page. The navigation menu on the left includes 'ACADEMY CONNECTION', 'ADMINISTRATOR HOME', 'INSTRUCTOR HOME' (selected), and 'ALUMNI HOME'. The main content area is titled 'Instructor Home' and features several sections:

- Headlines:** Contains a 'Packet Tracer' banner with a 'Download' link, highlighted by a red box. Below it are links for 'End of Life for Arabic, French, and Spanish Versions of ITE PC v3.0 and v3.1 and CCNA 3.1' (dated 05/29/2008), 'CCNA Exploration Maintenance Release Now Available' (dated 05/29/2008), and 'Cisco Certifications and Vouchers - Updated FAQs' (dated 05/29/2008).
- My Academy Program Headlines:** Contains a link for 'Multicast: Instructor News' by Aine Doris (dated 11/20/2007).
- Teach:** Contains a 'Manage Student Classes' section with a link for 'North Dakota Career and Technical Education' (dated 11/20/2007) and links for 'Manage Academy', 'Add Students and Users', and 'Manage Academy User List'.

The right sidebar includes a search bar, a membership directory, a class locator, and a resources section with links to AC Tutorials, Academy Marketplace, Course Catalog, Course Materials, Forums & Chat, FTP Center, Glossary, Library, Marketing Toolkit, and Tools.

Other Virtual Tools



Other Virtual Tools

- VSee
- Remote Desktop



VSee

- Number of locations three to six
- Edit and annotate documents
- Share Applications and Desktops
- Transfer files
- Record and share videos
- Pan, tilt, and zoom remote cameras





Remote Desktop

- Tool provided with Windows XP and Vista
- Allows users to access their files, folders, printers remotely

Name _____

My Experience with Remote Desktop
Researching the procedure

Setting up the host and client

Accessing the remote machine

Difficulties and things to be aware of

Implications



Activity Resources/FTP Center

- <http://cisco.netacad.net>
- Go to the FTP Center on Academy Connection
- At the FTP Center page under Downloads—Basic Search, select the following:
 - For Curriculum, select IT Essentials
 - For Course, select IT Essentials: PC Hardware and Software
 - For Course Language, select English (or another language)
 - For Version, select 4.XThen click the Search button
- Scroll to find the files you want to download

Activity Resources/FTP Center

Downloads - Basic Search

[Advanced Search](#)

Keyword

Curriculum

Course

Course Language

Version

Chapter/Module

Location of Support Files

File Name	Information Type	Chapter
ITEss Exploring Virtual Desktop.doc	Lab/Lab Ideas	3 Computer Assembly
ITEss Exploring Virtual Desktop Key.doc	Lab/Lab Ideas	3 Computer Assembly
ITEss Exploring Virtual Desktop.pdf	Lab/Lab Ideas	3 Computer Assembly
Exploring Virtual Laptops.doc	Lab/Lab Ideas	6 Fundamental Laptops and Portable Devices
Exploring Virtual Laptops Key.doc	Lab/Lab Ideas	6 Fundamental Laptops and Portable Devices
Exploring Virtual Laptops.pdf	Lab/Lab Ideas	6 Fundamental Laptops and Portable Devices
My Experiences with Remote Desktop Graphic Organizer.doc	Lab/Lab Ideas	12
My Experiences with Remote Desktop Graphic Organizer.doc	Lab/Lab Ideas	12
Remote Desktop Rubric	Lab/Lab Ideas	12



Q and A





Thank you for
attending!
Please fill out an
online survey at the
Cyber Center



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