

## Modos del simulador

# Inicio De Simulador De Ensamble CISCO

### HOW IT WORKS: Modes

There are three main Modes: **Learn**, **Test**, and **Explore**.

- **Learn Mode** walks you through the assembly of the desktop computer
- **Test Mode** allows you to virtually build a desktop computer without any assistance
- **Explore Mode** gives you information about many features and components of the desktop.

Use the Main Navigation menu on the left side of the screen to switch between modes.

The screenshot displays the 'IT Essentials Virtual Desktop' interface. On the left, a navigation menu lists various components: POWER SUPPLY, MOTHERBOARD (highlighted), ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS, INTERNAL CABLES, EXTERNAL CABLES, TEST, and EXPLORE. The 'LEARN' section for the MOTHERBOARD is active, showing a list of components: CPU, Thermal compound, CPU heat sink/fan assembly, RAM module (2), and Motherboard. Below this list is a 'Show Instructions' checkbox. The main area shows a 3D isometric view of a motherboard on an antistatic mat. A toolbar at the bottom of the main area contains icons for CPU, Thermal Compound, Heat sink, Motherboard Screws, Motherboard, and NIC. The top right corner of the interface has a 'SKIP' button with a close icon.

# Índice Del Simulador



IT Essentials Virtual Desktop

Help ?

HOW IT WORKS: You Are Ready to Begin!

SKIP X

## Módulos Del Simulador

You are now ready to begin the module.

Click on the Power Supply Layer to begin.

At any time you may return to this help menu, by clicking the help button in the top right corner.

↓ Power Supply Layer

↓ Motherboard Layer

↓ Adapter Cards Layer

↓ Internal Drives Layer

↓ External Bays Layer

↓ Internal Cables Layer

↓ External Cables Layer





# Modo Aprender



## LEARN

### POWER SUPPLY

A power supply provides the needed voltage to power the various electronic circuits that make up the PC.  
Attach the power supply to the case.

Show Instructions

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

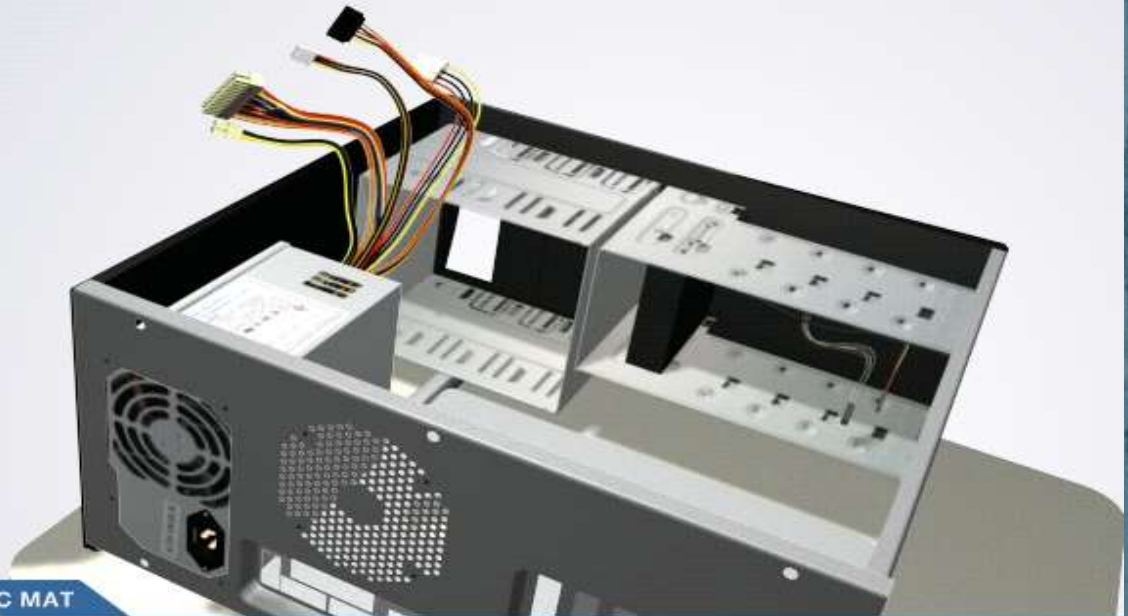
INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE

### ANTISTATIC MAT



- En este modo se muestra la descripción y el concepto del dispositivo seleccionado, se puede accionar la opción mostrar instrucciones

# Modo Test



## LEARN

## TEST

Use this mode to test your ability to assemble a desktop computer from scratch. You must still follow the layers of access, however you will not receive any instruction. Once you have completed a layer, you will automatically be forwarded to the next level of access.

If you need instruction, switch to Learning Mode or return to the course.

Good luck!

## EXPLORE

**EXPLORE: POWER SUPPLY**

AVAILABLE VIEWS: 360° [Icons]

AUTO SWITCH

Exhaust Vent

Move your mouse over the image to see details

ANTISTATIC MAT

LEARN MORE

Power Supply Screws

RAM 1

RAM 2

CPU

Thermal Compound

He

- Este modo pone a prueba tus habilidades para ensamblar una computadora de escritorio, aquí instalaras los dispositivos y cada que termines una etapa automáticamente pasaras a la siguiente etapa.



# Modo Explorador



## LEARN

### POWER SUPPLY

A power supply provides the needed voltage to power the various electronic circuits that make up the PC. Attach the power supply to the case.

Show Instructions

### MOTHERBOARD

### ADAPTER CARDS

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

### EXPLORE: POWER SUPPLY

AVAILABLE VIEWS:



Use the slider to rotate hardware

### ANTISTAT MAT



- Al seleccionar un dispositivo aparece la opción leer mas si das clic en esa opción te aparecerán las vistas del dispositivo.

# Motherboard



## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

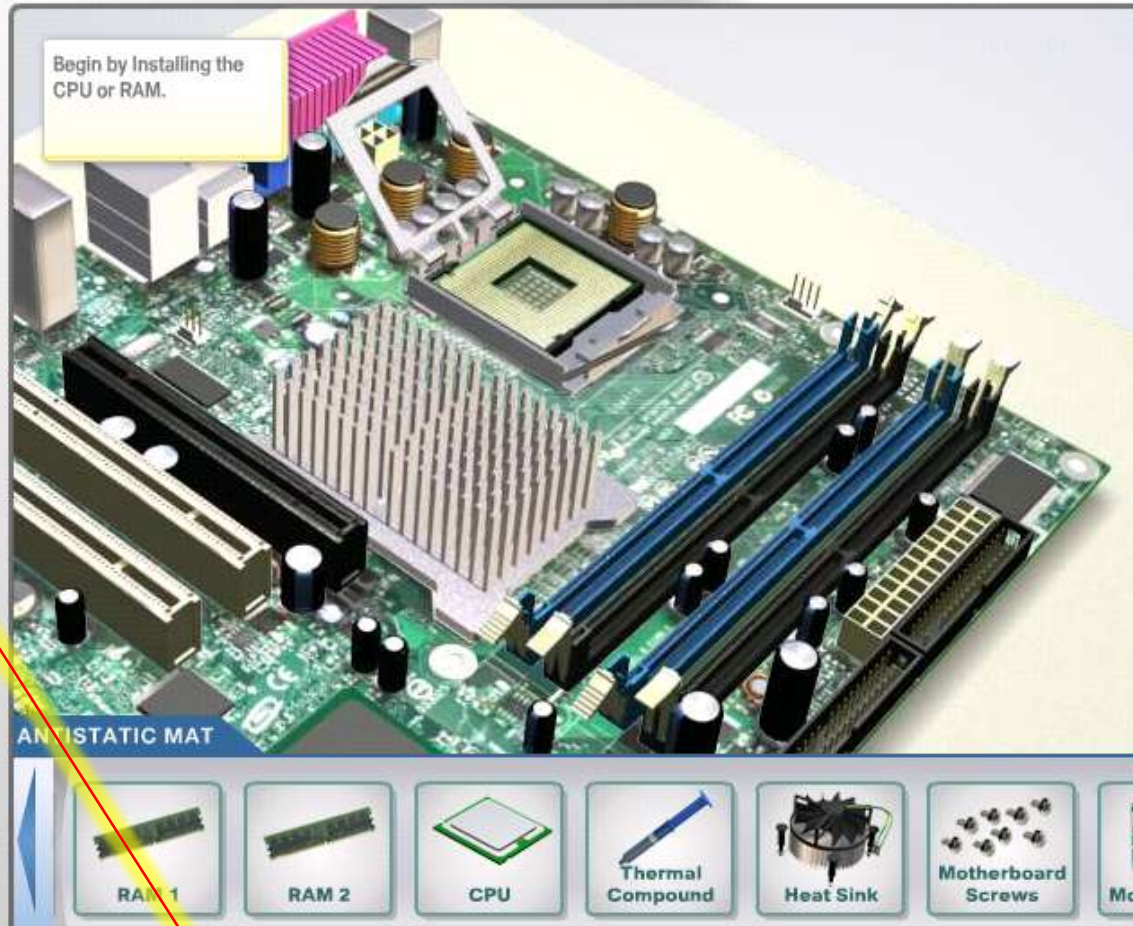
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



Definición y componentes



# Instalando Fuente De Alimentación



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

A power supply provides the needed voltage to power the various electronic circuits that make up the PC. Attach the power supply to the case.

Show Instructions

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES III EXTERNAL BAYS

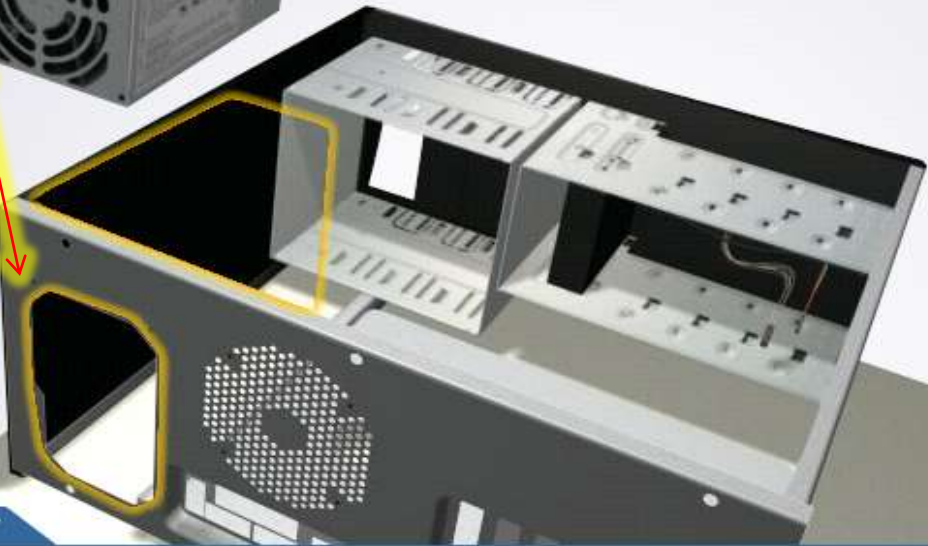
INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE

Drag the  
from  
it into



ANTISTATIC MAT



- Seleccionamos la fuente de alimentación con clic izquierdo y arrastramos a la parte iluminada de la pantalla.

# Instalando Fuente De Poder



## LEARN

### POWER SUPPLY

A power supply provides the needed voltage to power the various electronic circuits that make up the PC.  
Attach the power supply to the case.

Show Instructions

### MOTHERBOARD

### ADAPTER CARDS

### INTERNAL DRIVES

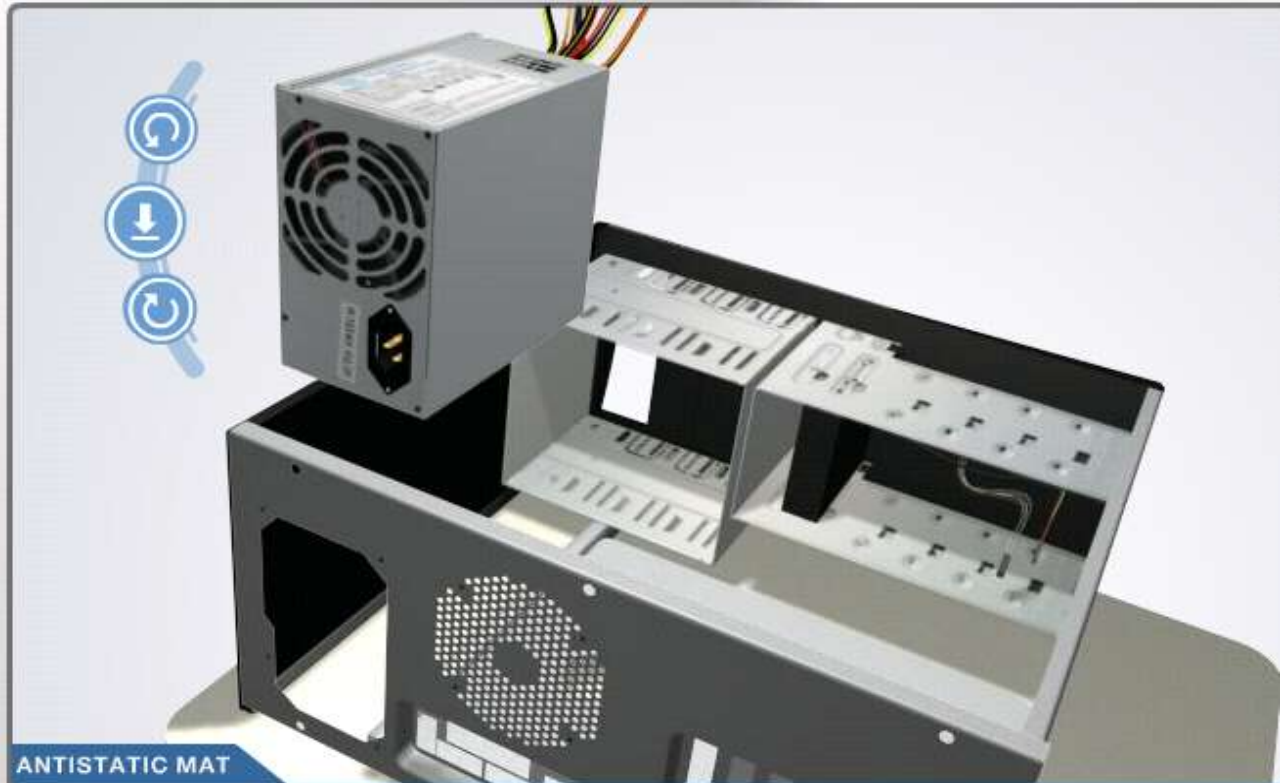
### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



### ANTISTATIC MAT



- Ahora colocaremos la fuente de poder.



# Asegurando La Fuente De Poder



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

A power supply provides the needed voltage to power the various electronic circuits that make up the PC. Attach the power supply to the case.

Show Instructions

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

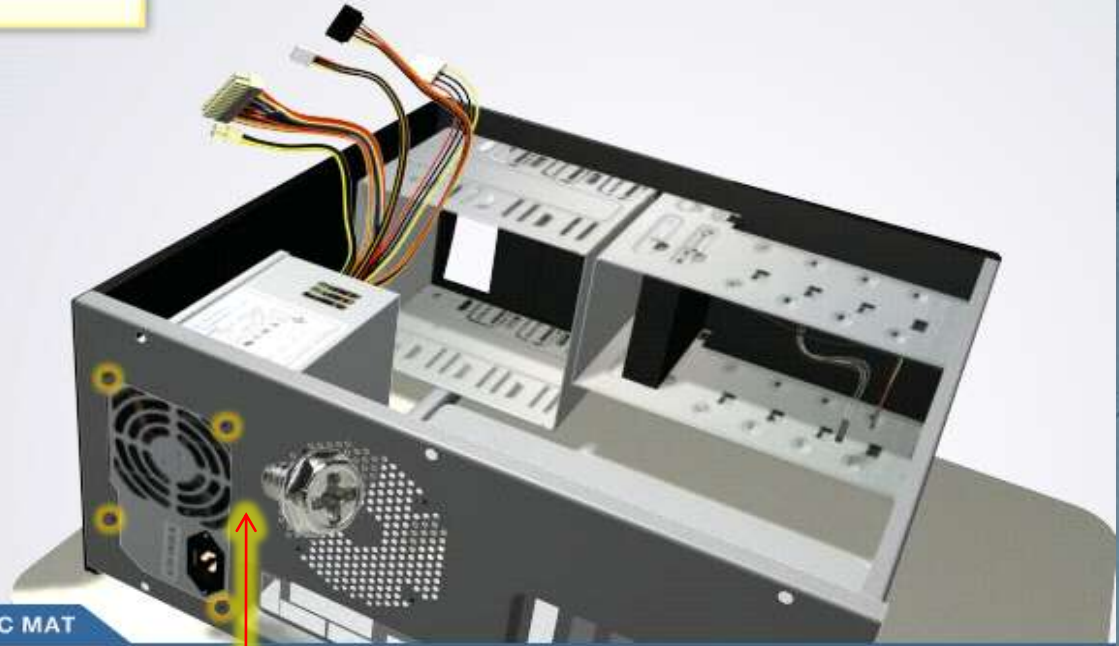
INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE

Now secure the Power Supply in place with the screws.



ANTISTATIC MAT



Power Supply



Power Supply Screws



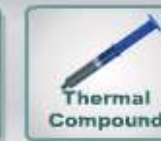
RAM 1



RAM 2



CPU



Thermal Compound



He

- Seleccionamos los tornillos de la fuente de poder para asegurar la fuente de poder.

# Instalación de la fuente de poder completada



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.

OK

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE

ANTISTATIC MAT



Power Supply



Power Supply  
Screws



RAM 1



RAM 2



CPU



Thermal  
Compound



He



- Hemos terminado satisfactoriamente la instalación de la fuente de poder y ahora procederemos a la siguiente etapa de instalación.



# Insertando Memorias RAM



## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

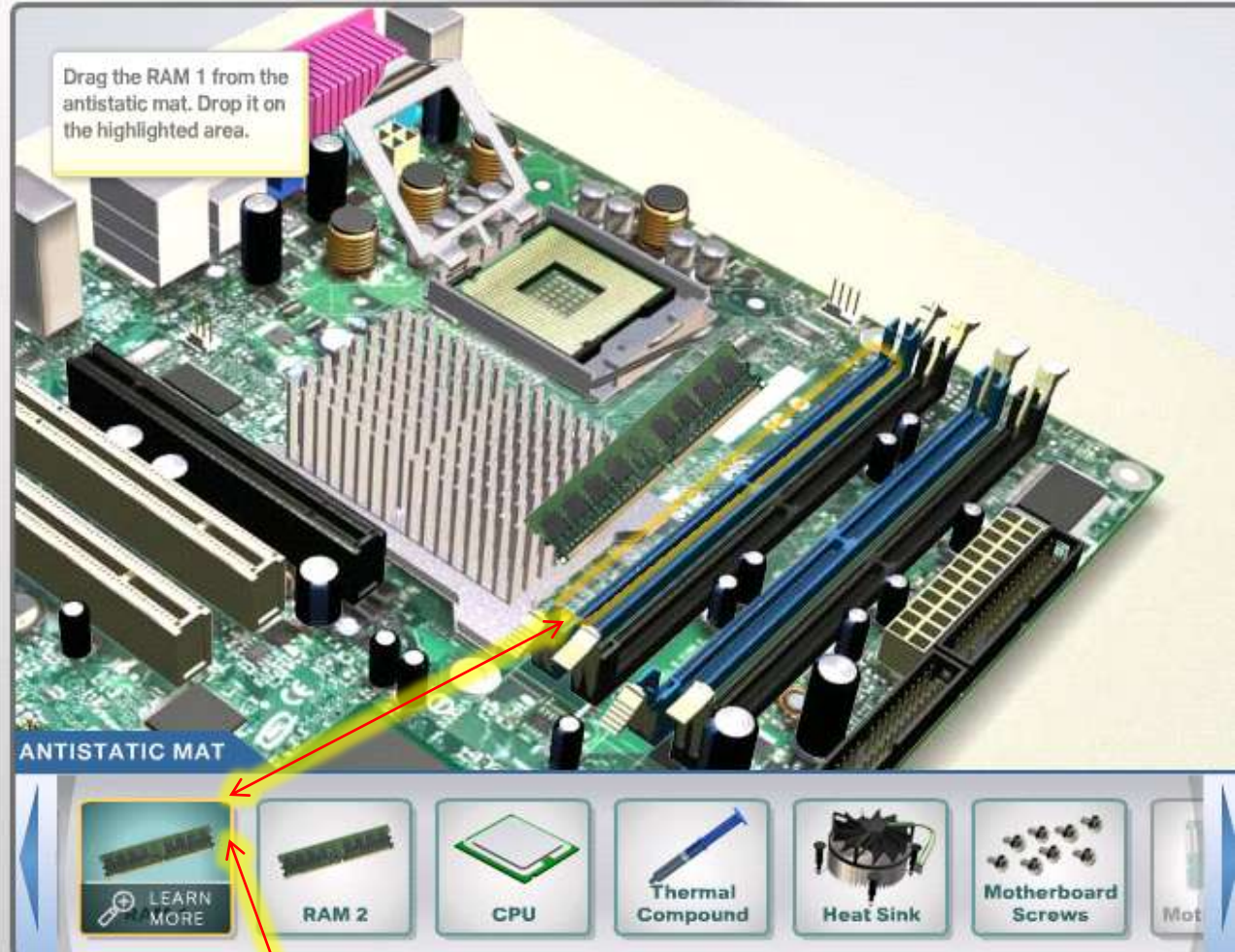
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



Aquí elegimos el componente a instalar, el simulador nos guiara paso a paso en la instalación de cualquier componente y como debe ser instalado.



# Insertando Memorias RAM



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Aquí insertaremos la memoria RAM así es como debe ser instalada.



# Asegurando Las Memorias RAM

The screenshot displays a virtual desktop environment for IT Essentials. On the left, a sidebar contains a navigation menu with sections: LEARN, POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS, INTERNAL CABLES, EXTERNAL CABLES, TEST, and EXPLORE. The MOTHERBOARD section is active, showing a text description and a list of components: CPU, Thermal compound, CPU heat sink/fan assembly, RAM module (2), and Motherboard. A 'Show Instructions' checkbox is present. The main window shows a 3D model of a motherboard with a RAM module installed. A yellow callout box with the text 'Click both highlighted latches to secure RAM.' points to two yellow latches on the RAM module. Two red arrows originate from these latches and point to the 'RAM 1' and 'RAM 2' icons in the bottom toolbar. The toolbar also includes icons for Power Supply, Power Supply Screws, CPU, Thermal Compound, and He. The top of the window shows the Cisco logo and 'IT Essentials Virtual Desktop' with a 'Help' icon.

El dispositivo de la memoria RAM debe ser asegurado por unos pequeños seguros los cuales están iluminados en amarillo y solo debemos dar clic

# Insertando Microprocesador



## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

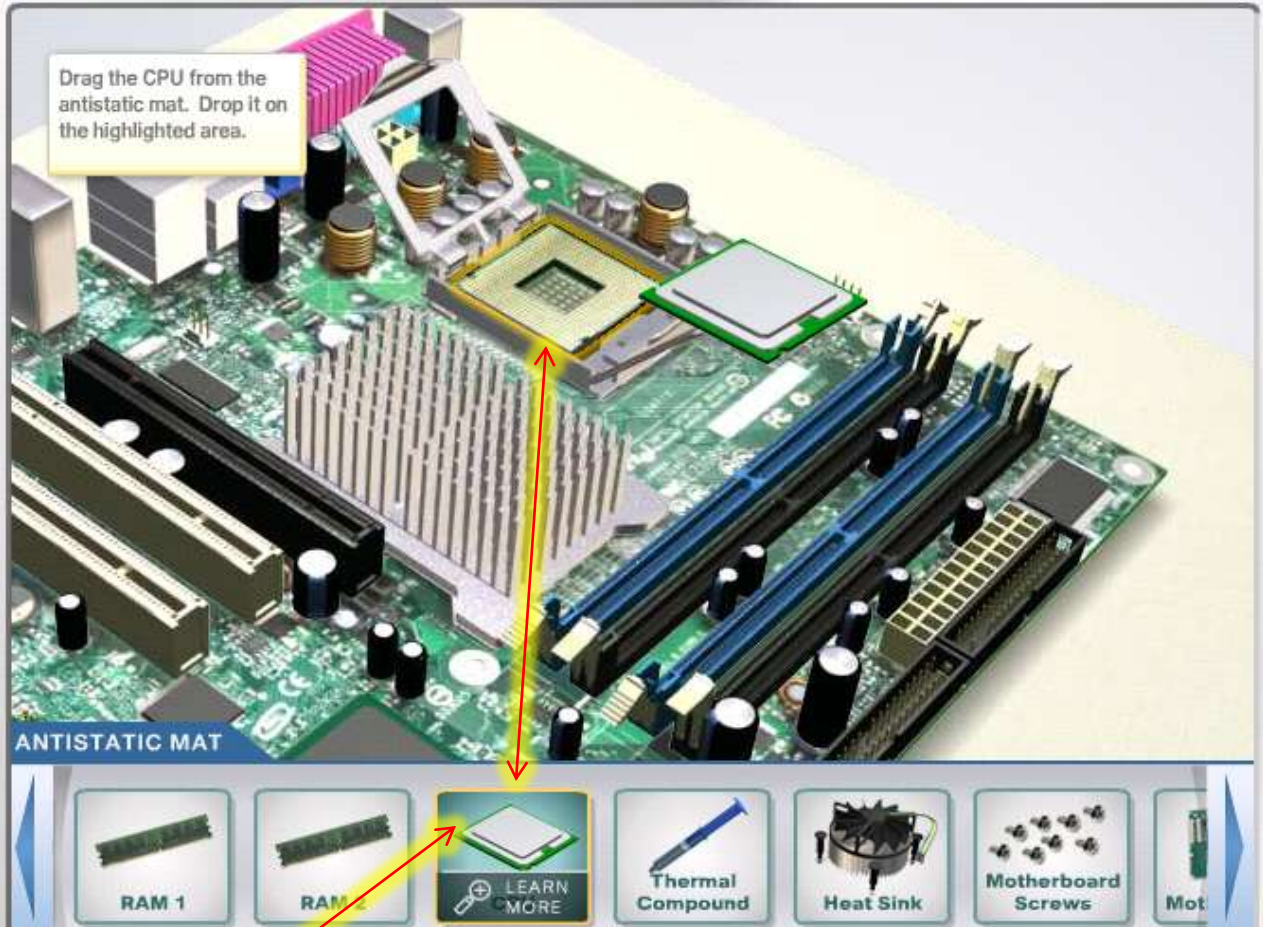
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



En este paso seleccionaremos al microprocesador de nuestra barra de dispositivos que esta debajo del antistatic mat.



# Asegurando El Microprocesador

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

**ADAPTER CARDS**

**INTERNAL DRIVES**

**DRIVES III EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Click the highlighted area to secure the CPU.

ANTISTATIC MAT

Power Supply

Power Supply Screws

RAM 1

RAM 2

CPU

Thermal Compound

He

En este paso daremos clic al área amarilla que aparece en la pantalla para poner la tapa al microprocesador.

# Sellando El Microprocesador

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. On the left, a sidebar contains a navigation menu with sections: LEARN, POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS, INTERNAL CABLES, EXTERNAL CABLES, TEST, and EXPLORE. The MOTHERBOARD section is active, showing a text description and a list of components: CPU, Thermal compound, CPU heat sink/fan assembly, RAM module (2), and Motherboard. A 'Show Instructions' checkbox is present. The main window shows a 3D model of a motherboard with a CPU heat sink being secured by a screwdriver. A yellow callout box says 'Click the highlighted area to lock the CPU in place.' A red arrow points to the screwdriver's handle. At the bottom, a toolbar contains icons for Power Supply, Power Supply Screws, RAM 1, RAM 2, CPU, Thermal Compound, and Heat Sink.

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

**ADAPTER CARDS**

**INTERNAL DRIVES**

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Click the highlighted area to lock the CPU in place.

ANTISTATIC MAT

Power Supply

Power Supply Screws

RAM 1

RAM 2

CPU

Thermal Compound

Heat Sink

En este paso daremos clic al seguro del microprocesador para sellarlo.



# Compuesto Térmico



## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

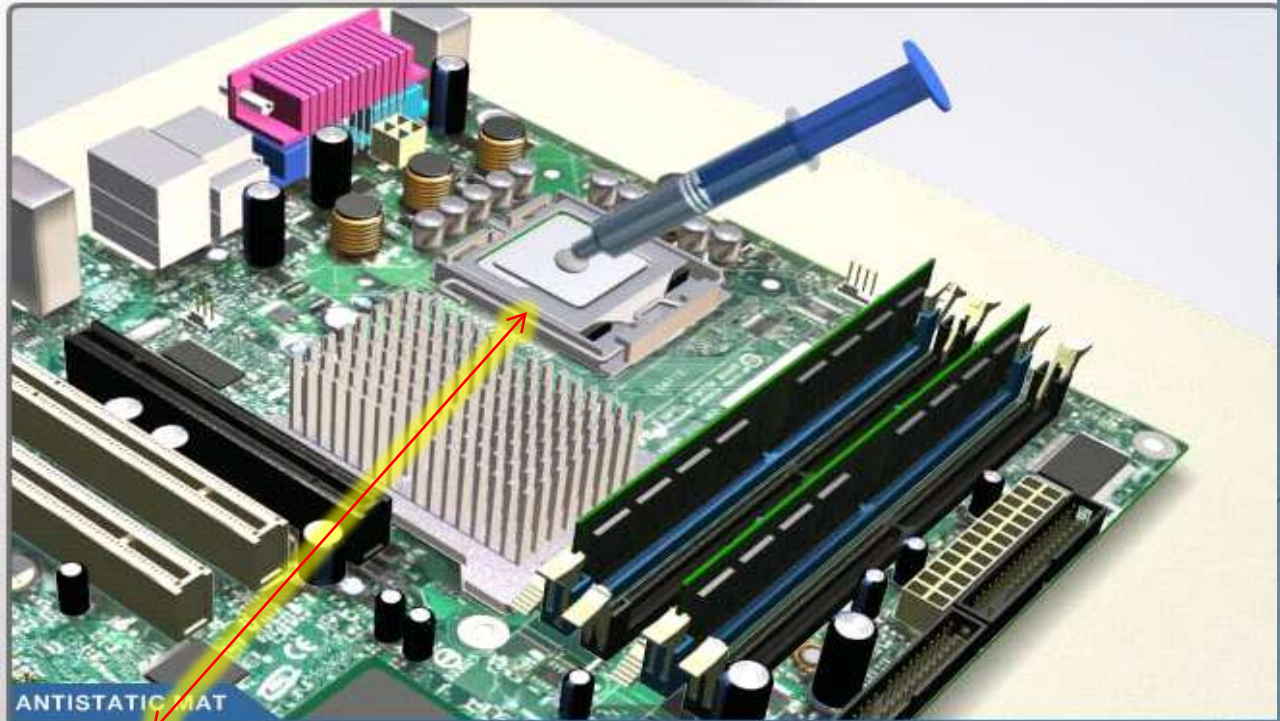
### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



ANTISTATIC MAT



Ahora seleccionaremos el compuesto térmico y se le pondremos al microprocesador que esta ya sellado.



# Instalando Ventilador



## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

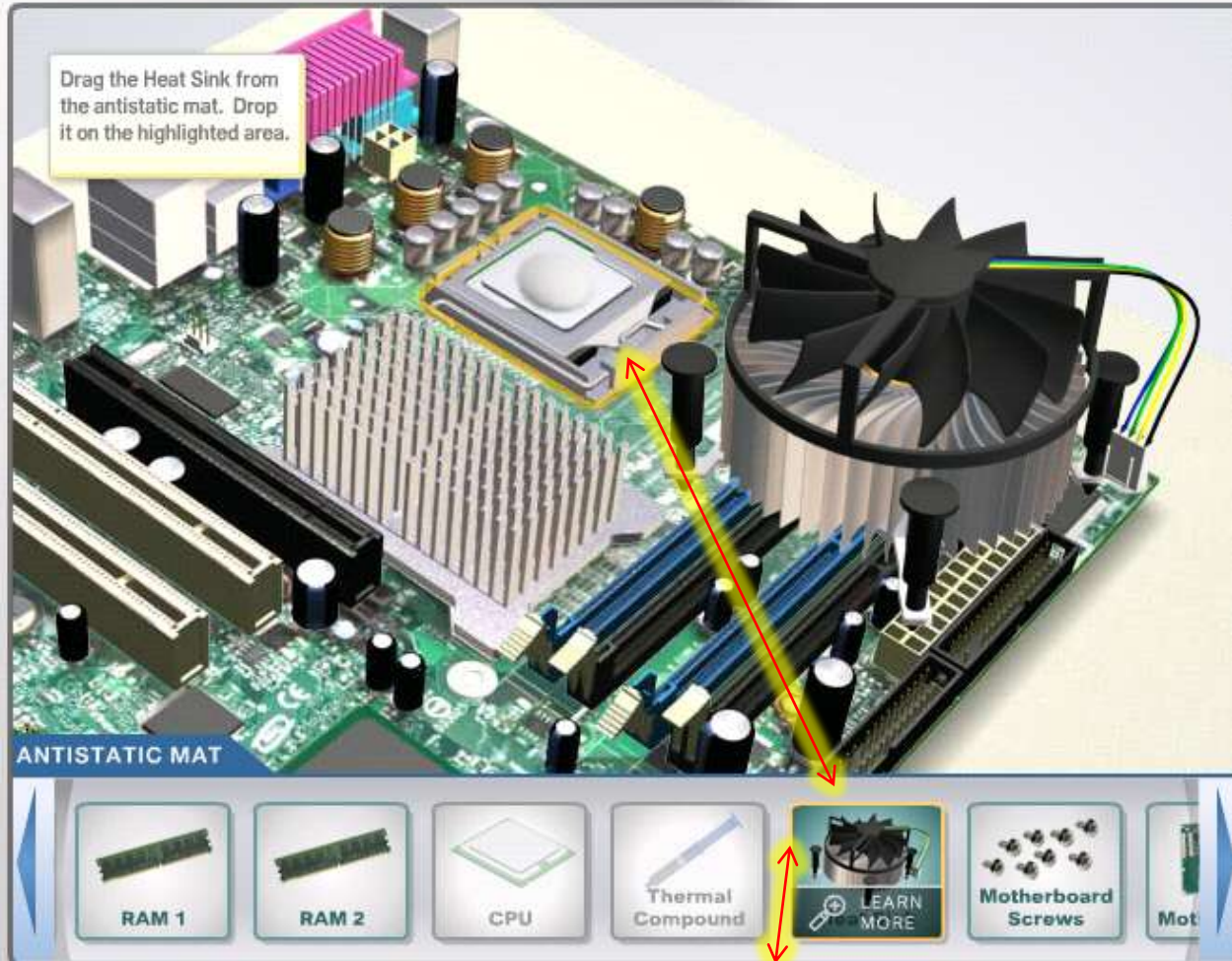
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- En este paso seleccionaremos el ventilador con clic izquierdo y lo arrastraremos sin soltar por encima del microprocesador, después soltaremos el clic izquierdo.



# Asegurando El Ventilador



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

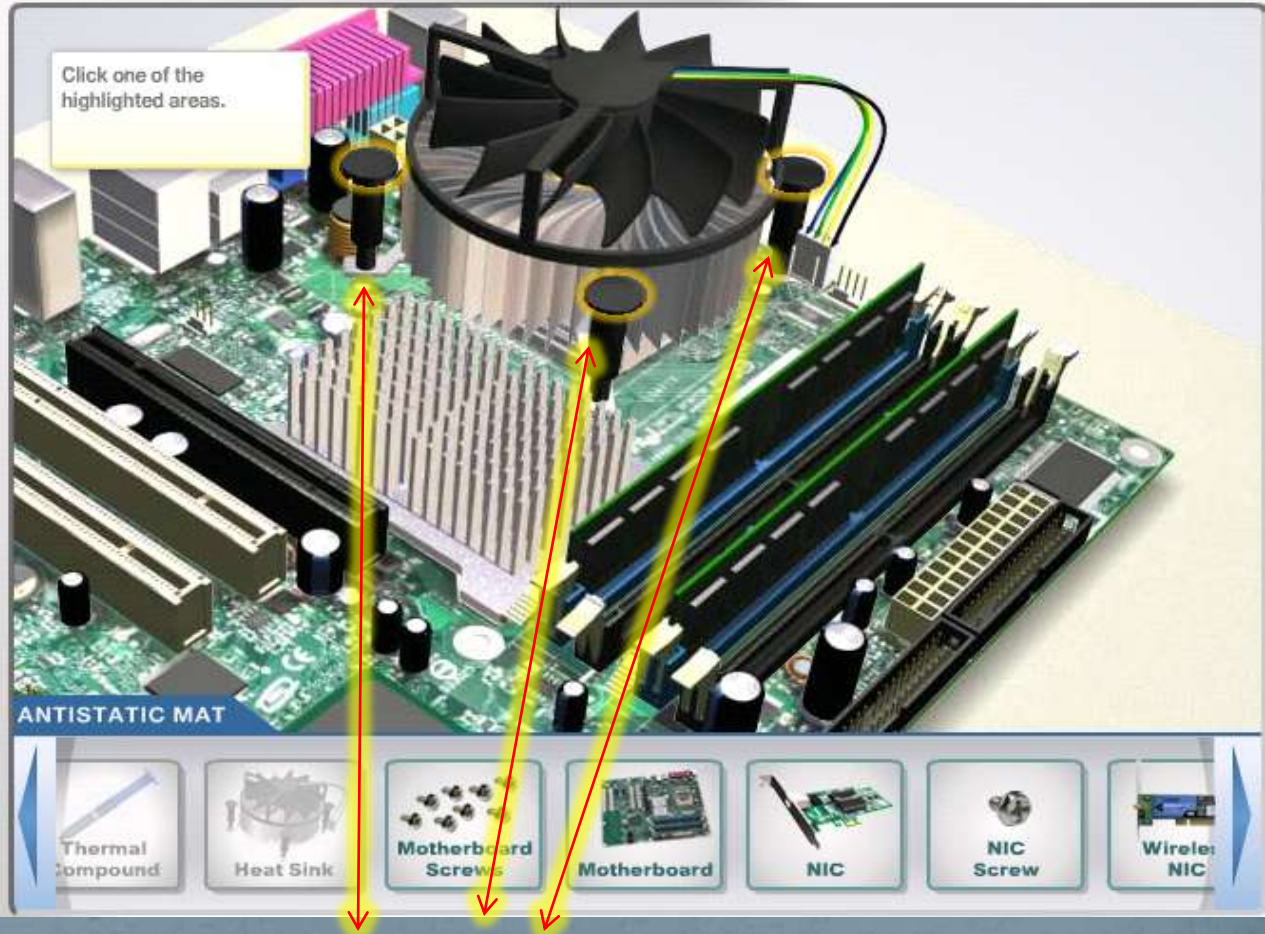
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Aquí daremos clic en los tornillos para asegurar el ventilador también llamado **disipador de calor**.



# Conectando El Ventilador



## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

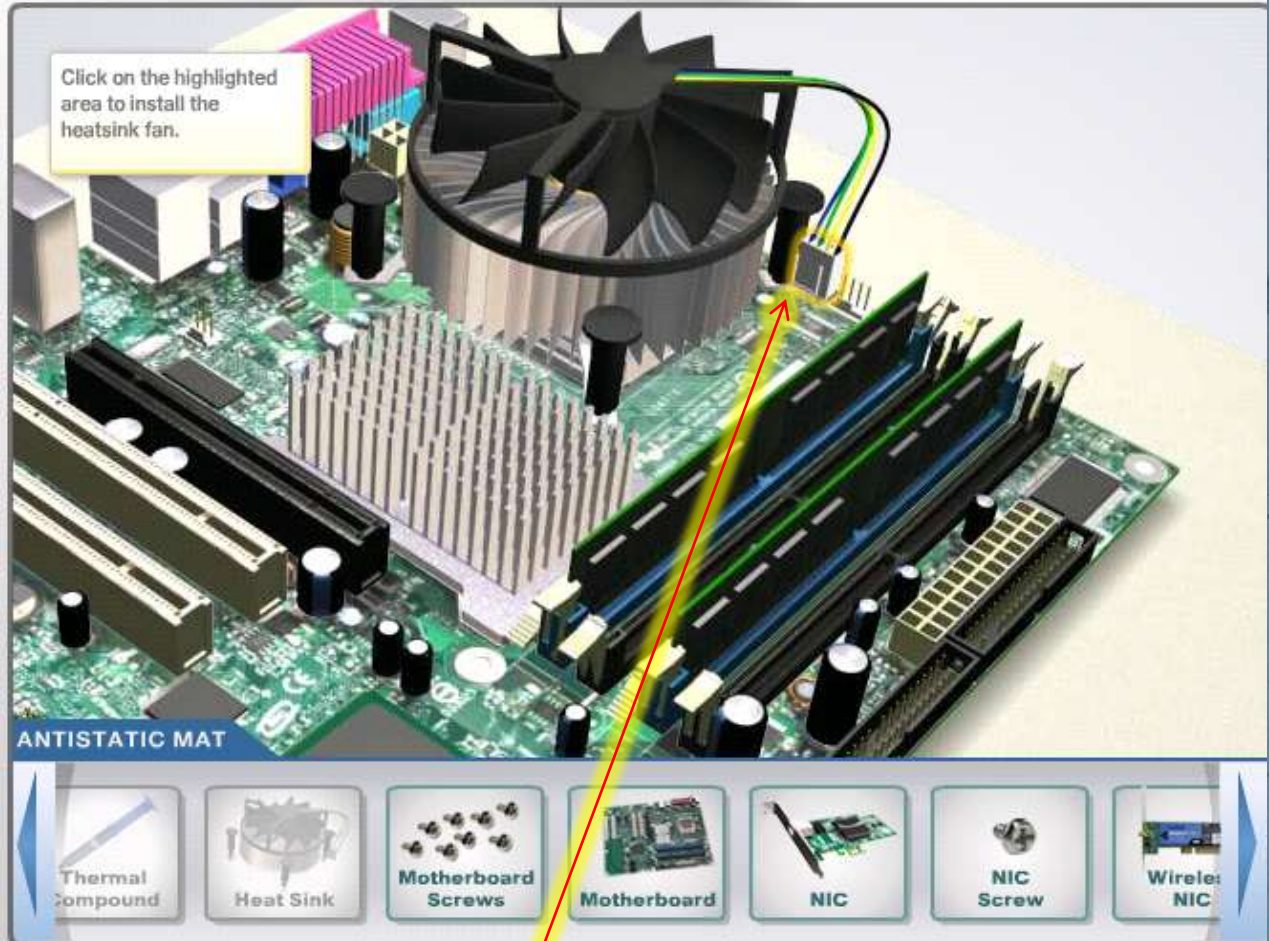
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Ahora conectaremos el cable del ventilador



# Conectando Cable Del Ventilador



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

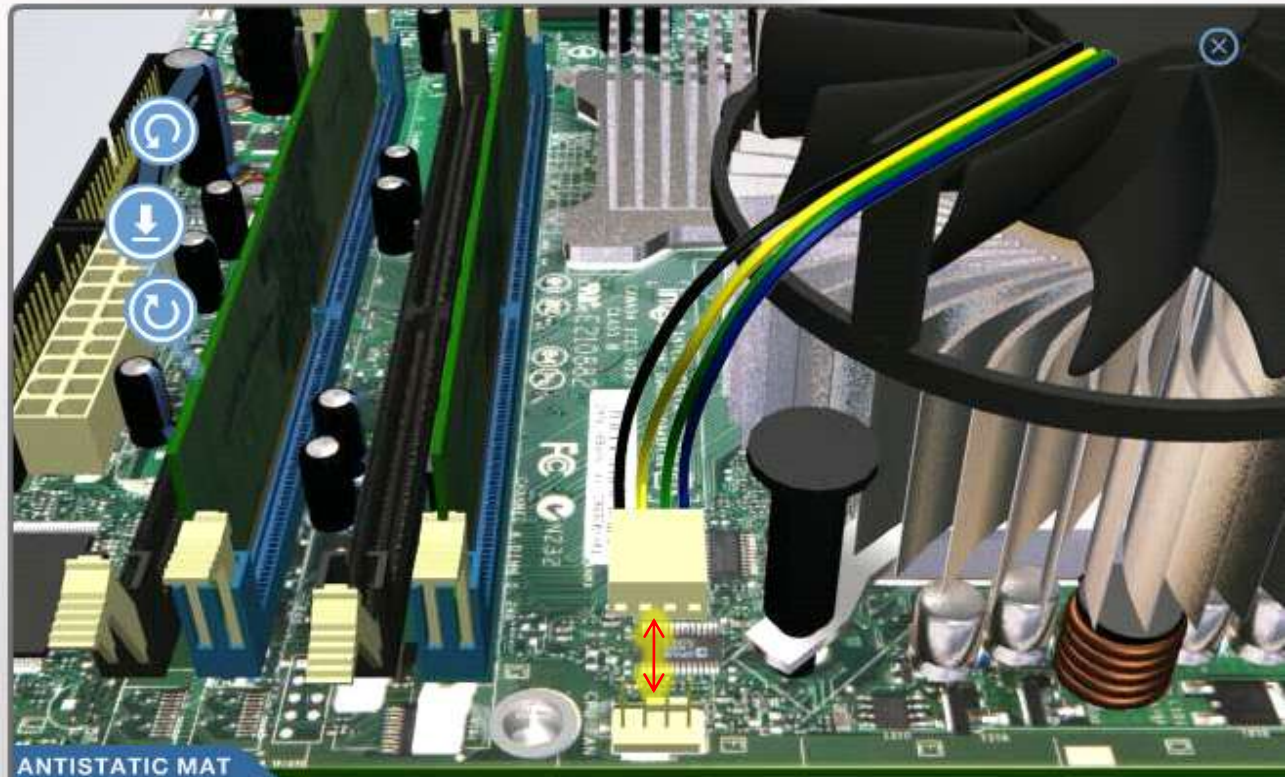
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Aquí debemos conectar el cable en su lugar, hay que rotarlo un par de veces en sentido contrario de las manecillas del reloj hasta que embone bien después de haber hecho esto pasaremos al siguiente paso.



# Tarjeta Madre Terminada



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

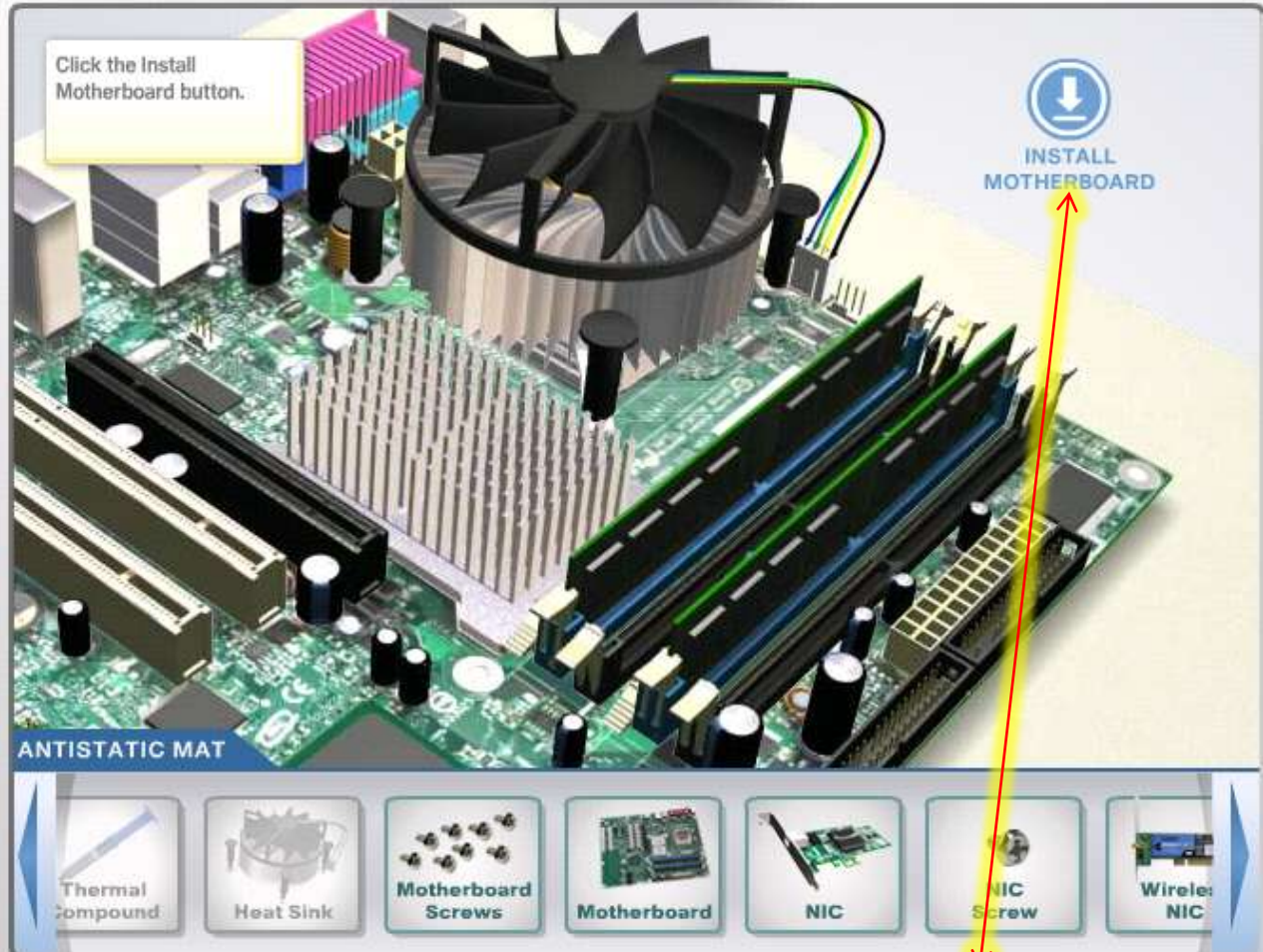
### DRIVES III EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- En este momento todos los dispositivos han sido instalados satisfactoriamente, y ahora instalaremos la tarjeta madre.



# Instalando Tarjeta Madre



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

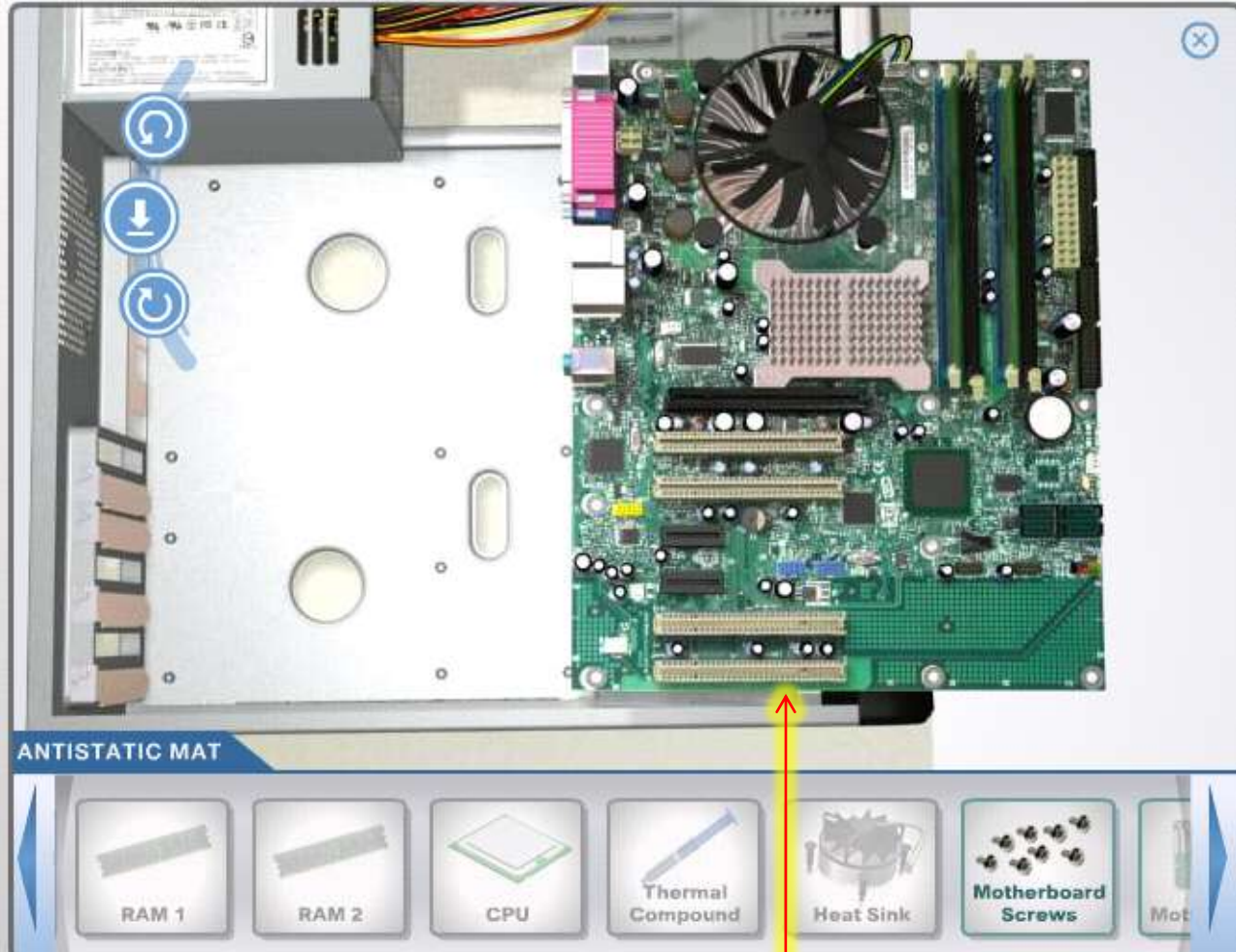
### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Aquí debemos rotar unas cuantas veces y después colocar la tarjeta madre en su lugar así es como debe colocarse.

# Atornillando La Tarjeta Madre



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

The motherboard is the main printed circuit board that connects all the components of the computer. On the motherboard, you will work with the following components:

- CPU
- Thermal compound
- CPU heat sink/fan assembly
- RAM module (2)
- Motherboard

Show Instructions

### ADAPTER CARDS

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

Drag the Motherboard Screws to the highlighted area.



ANTISTATIC MAT



- Aquí atornillaremos a la tarjeta madre, después el programa nos dirá que hemos terminado satisfactoriamente el proceso de instalación de la tarjeta madre y podremos pasar a otra etapa.



# Tarjetas Adaptadoras

COMPLETO

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

**INTERNAL DRIVES**

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

**ANTISTATIC MAT**

**NIC**

**NIC Screw**

**Wireless NIC**

**Wireless NIC Screw**

**Video Adapter**

**Video Adapter Screw**

**Hard Drive**

- Ahora pasaremos a instalación de las tarjetas adaptadoras

# Instalación De Tarjeta Madre Completa



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.

OK



ANTI-STATIC MAT



RAM 1



RAM 2



CPU



Thermal Compound



Heat Sink



Motherboard Screws



Mot

- Hemos terminado la instalación de la tarjeta madre.



# Instalando Tarjeta De Red



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

### INTERNAL DRIVES

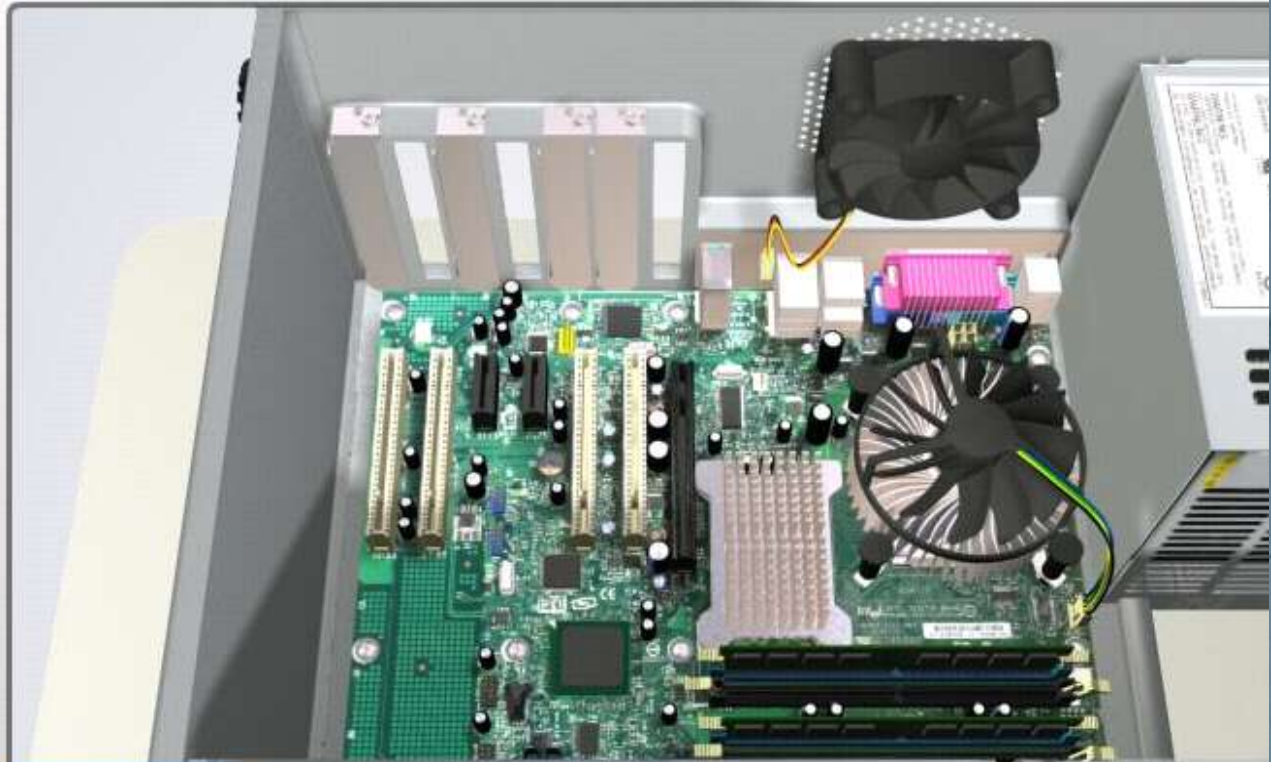
### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



ANTISTATIC MAT



NIC



NIC Screw



Wireless NIC



Wireless NIC Screw



Video Adapter



Video Adapter Screw



Hard Drive

- Empezaremos instalando el Network Interface Card (NIC) que es la tarjeta de red

# Seleccionando NIC

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

**INTERNAL DRIVES**

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Drag the NIC from the antistatic mat to the highlighted area.

**ANTISTATIC MAT**

**NIC Screw**

**Wireless NIC**

**Wireless NIC Screw**

**Video Adapter**

**Video Adapter Screw**

**Hard Drive**

- Damos clic al NIC, con clic izquierdo y arrastramos hasta el slot donde debe ser instalado.



# Atornillando NIC



## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

Drag the NIC screw from the antistatic mat to the highlighted area.

### ANTISTATIC MAT



- Ahora seleccionaremos los tornillos del NIC con clic izquierdo y arrastramos hasta la donde nos indica el simulador.

# Instalando Tarjeta De Red Inalámbrica



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

Drag the Wireless NIC from the antistatic mat to the highlighted area.

ANTISTATIC MAT



- Seleccionaremos la tarjeta de red inalámbrica ( Wireless Network Interface Card ) y la arrastramos con clic izquierdo hacia donde nos indica el simulador con la luz amarilla.



# Atornillando Tarjeta De Red Inalámbrica



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

Drag the Wireless NIC screw from the antistatic mat to the highlighted area.

### ANTISTATIC MAT



NIC



NIC Screw



Wireless NIC



Wireless NIC Screw



Video Adapter



Video Adapter Screw



Hard Drive

- Ahora seleccionamos los tornillos de la tarjeta de red inalámbrica y arrastramos.

# Instalando Tarjeta De Video



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

Drag the Video Adapter from the antistatic mat to the highlighted area.

ANTISTATIC MAT



NIC



NIC Screw



Wireless NIC



Wireless NIC Screw



LEARN MORE



Video Adapter Screw



Hard Drive

- Ahora seleccionamos la tarjeta de video con clic izquierdo y la arrastramos hasta la ranura.



# Atornillando Tarjeta De Video



IT Essentials Virtual Desktop

Help ?

## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

Adapter cards are installed on the motherboard to add functionality to your computer.

- A network interface card (NIC) is an adapter card used to connect your computer to a network.
- A wireless NIC is an adapter card used to connect your computer to another computer or a wireless access point using radio signals.
- A video adapter is an adapter card that sends data to a computer display.

Show Instructions

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

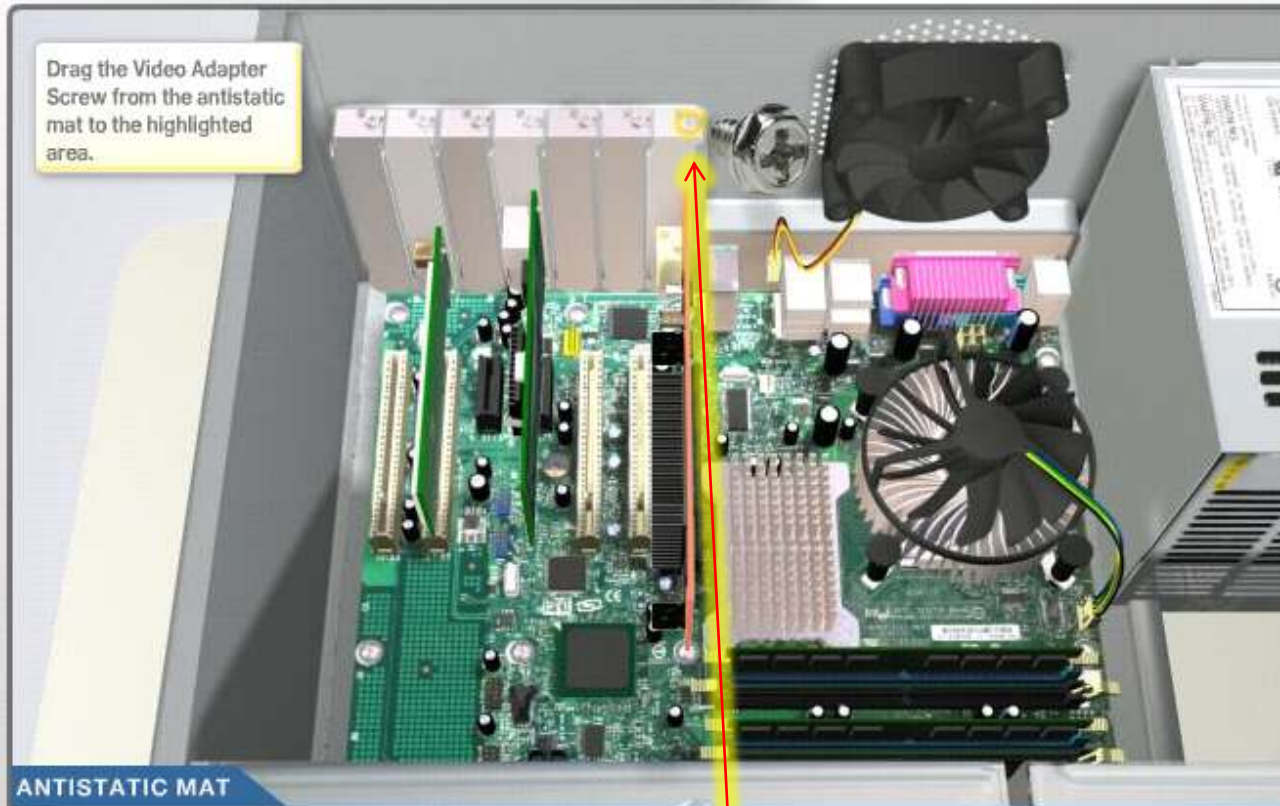
### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE

Drag the Video Adapter Screw from the antistatic mat to the highlighted area.



### ANTISTATIC MAT



Video Adapter Screw



Hard Disk Drive (HDD)



HDD Screws



Optical Drive



Optical Drive Screws



Floppy Drive



Floppy Drive Screws

- Seleccionamos los tornillos de la tarjeta de video y los arrastramos.

# Tarjetas Adaptadoras Completadas

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.

**OK**

**INTERNAL DRIVES**

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

**ANTISTATIC MAT**

Video Adapter Screw

Hard Disk Drive (HDD)

HDD Screws

Optical Drive

Optical Drive Screws

Floppy Drive

Floppy Drive Screws

- Hemos completado la instalación de dispositivos ahora podemos regresar a la lección o continuar explorando nuestra computadora virtual



# Instalando Unidades Internas



**LEARN**

- POWER SUPPLY
- MOTHERBOARD
- ADAPTER CARDS
- INTERNAL DRIVES**

The hard disk drive (HDD) is a magnetic drive that stores large amounts of data on fixed media.

Install the HDD into the case.

Show Instructions

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

**TEST**

**EXPLORE**



ANTISTATIC MAT

Navigation icons for components:

- LEARN MORE (with magnifying glass icon)
- HDD Screws
- Optical Drive
- Optical Drive Screws
- Floppy Drive
- Floppy Drive Screws

- En esta etapa procederemos a instalar todas las unidades internas de nuestra maquina.

# Instalando HDD

The screenshot shows a virtual desktop environment titled "IT Essentials Virtual Desktop" with a Cisco logo in the top left. On the left is a navigation sidebar with categories: LEARN, POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES (highlighted), DRIVES IN EXTERNAL BAYS, INTERNAL CABLES, and EXTERNAL CABLES. Below these is a "TEST" section and an "EXPLORE" button. The main area displays a 3D model of a computer case with its front panel removed. A yellow box highlights a specific bay. A text box above the case says: "Drag the Hard Disk Drive from the antistatic mat. Drop it on the highlighted area." Below the case is an "ANTISTATIC MAT" containing several components: a Hard Disk Drive (HDD), HDD Screws, an Optical Drive, Optical Drive Screws, a Floppy Drive, and Floppy Drive Screws. A red arrow points from the HDD icon to the highlighted bay in the case.

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

**INTERNAL DRIVES**

The hard disk drive (HDD) is a magnetic drive that stores large amounts of data on fixed media.

Install the HDD into the case.

Show Instructions

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Drag the Hard Disk Drive from the antistatic mat. Drop it on the highlighted area.

**ANTISTATIC MAT**

HDD  
Screws

Optical Drive

Optical Drive  
Screws

Floppy Drive

Floppy Drive  
Screws

- Ahora seleccionamos el disco duro (HDD) con clic izquierdo y lo arrastramos hacia la parte iluminada.



# Instalando HDD



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

**INTERNAL DRIVES**

The hard disk drive (HDD) is a magnetic drive that stores large amounts of data on fixed media.

Install the HDD into the case.

Show Instructions

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



- Colocamos el disco duro en la ranura.

# Atornillando HDD



## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

### INTERNAL DRIVES

The hard disk drive (HDD) is a magnetic drive that stores large amounts of data on fixed media.

Install the HDD into the case.

Show Instructions

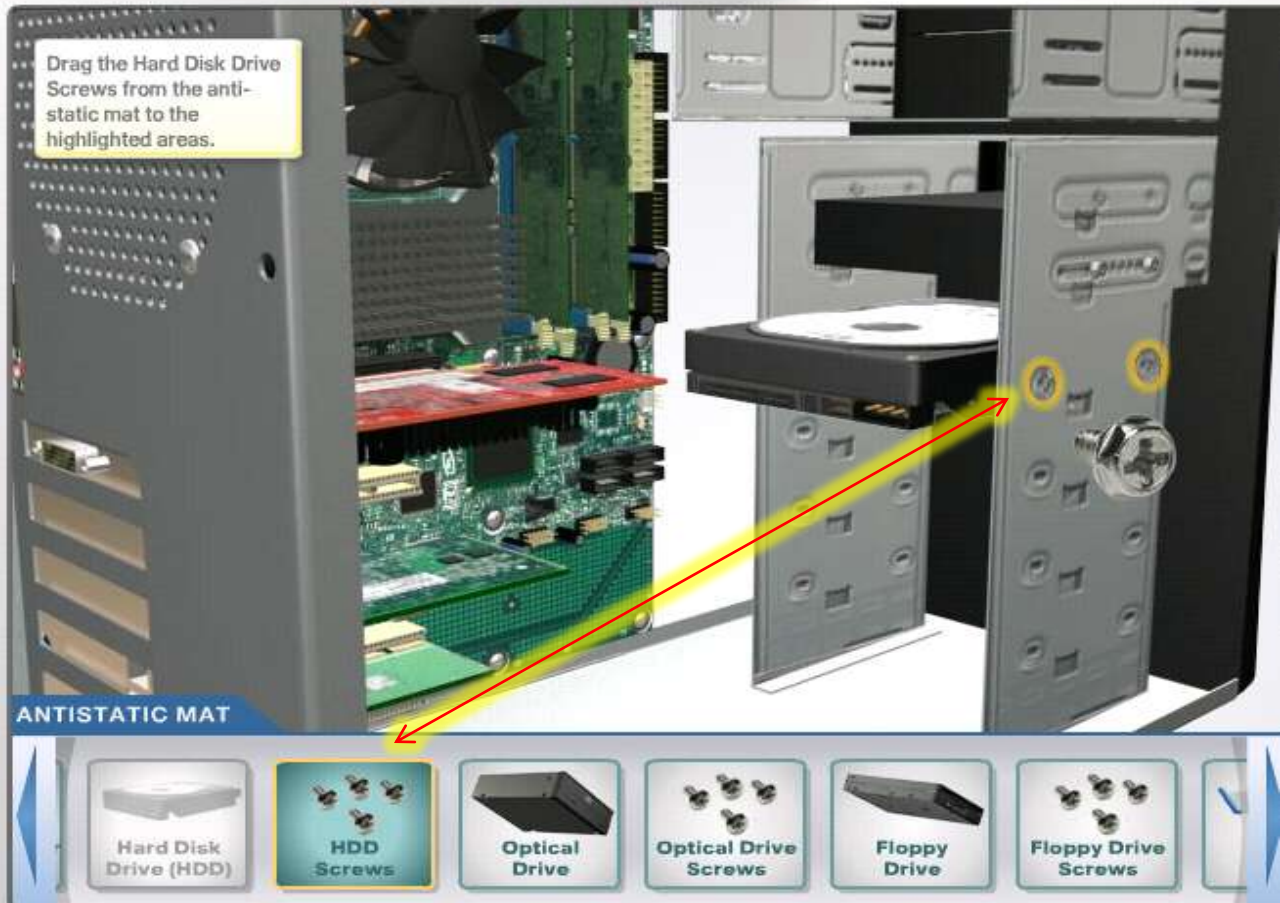
### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Seleccionamos los tornillos y damos clic para atornillar.



# Instalación De Unidades Internas completa

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'Help' icon. The main window shows a 3D model of a computer case with its front panel removed, revealing internal components like the motherboard, RAM, and a hard disk drive. A notification box on the left side of the interface contains the following text:

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

**INTERNAL DRIVES**

You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.

**OK**

Below the notification box is a toolbar with several icons: 'ANTISTATIC MAT', 'Hard Disk Drive (HDD)', 'HDD Screws', 'Optical Drive', 'Optical Drive Screws', 'Floppy Drive', and 'Floppy Drive Screws'. A red arrow points from the 'OK' button to the 'Hard Disk Drive (HDD)' icon.

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

- Hemos terminado la instalación de unidades internas en este caso solo es el disco duro.

# Instalando Unidades En Compartimientos Externos

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

- POWER SUPPLY
- MOTHERBOARD
- ADAPTER CARDS
- INTERNAL DRIVES
- DRIVES IN EXTERNAL BAYS**

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

**INTERNAL CABLES**

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

ANTISTATIC MAT

Optical Drive    Optical Drive Screws    Floppy Drive    Floppy Drive Screws    PATA Cable    Floppy Cable

- En esta etapa empezaremos a instalar todos los dispositivos correspondientes.



# Instalando Unidad De DVD



## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

### INTERNAL CABLES

### EXTERNAL CABLES

## TEST

## EXPLORE



- Seleccionamos la unidad de DVD y arrastramos al compartimiento señalado en la pantalla.

# Instalando DVD



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES III EXTERNAL BAYS

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



Optical Drive



Optical Drive Screws



Floppy Drive



Floppy Drive Screws



PATA Cable



Floppy Cable



SATA Cable

- Ahora colocaremos la unidad de DVD a la altura de su compartimiento y lo instalaremos.



# Atornillando DVD



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE



- Seleccionamos los tronillos del DVD y después atornillamos el DVD en su compartimiento.

# Instalando Unidad FLOPPY



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



Optical Drive



Optical Drive Screws



Floppy Drive Screws



PATA Cable



Floppy Cable

- Seleccionamos la unidad FLOPPY y la arrastramos al compartimiento señalado en la pantalla.



# Instalando Unidad FLOPPY



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE



Optical Drive



Optical Drive Screws



Floppy Drive



Floppy Drive Screws



PATA Cable



Floppy Cable



SATA Cable

- Colocamos la unidad de FLOPPY en su compartimiento y ¡ listo !.

# Atornillando Unidad FLOPPY



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

The CD-RW/DVD drive is an optical storage device that reads and writes information to CDs and reads DVDs.

A floppy disk drive (FDD) is a magnetic drive that reads and writes information to floppy diskettes.

Install the Optical Drive and FDD.

Show Instructions

INTERNAL CABLES

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



- Seleccionamos los tornillos de la unidad FLOPPY y los arrastramos para atornillar.



# Instalación De Unidades En Compartimiento Externo Completa

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'Help' icon. The main window is titled 'IT Essentials Virtual Desktop'. On the left side, there is a navigation pane with a 'LEARN' section containing a list of topics: POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS (highlighted in green), INTERNAL CABLES, and EXTERNAL CABLES. Below this list is a text box stating: 'You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.' Below the text box is an 'OK' button. At the bottom of the navigation pane are 'TEST' and 'EXPLORE' buttons. The main area of the desktop shows a 3D rendering of a computer tower case with its front panel open, revealing internal components like the motherboard, power supply, and various drives. A yellow arrow points from the 'OK' button to the 'Optical Drive Screws' icon in the bottom toolbar. The toolbar also includes icons for Optical Drive, Floppy Drive, Floppy Drive Screws, PATA Cable, Floppy Cable, and a partially visible 'Cable' icon. The text 'ANTISTATIC MAT' is visible at the bottom of the tower case.

- Hemos completado la instalación de las unidades en compartimiento externo .

# Instalando Cableado Interno

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

**INTERNAL DRIVES**

**DRIVES IN EXTERNAL BAYS**

**INTERNAL CABLES**

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Click on a Power Cable or drag a data cable to begin.

**ANTISTATIC MAT**

PATA Cable

Floppy Cable

SATA Cable

Case Panels

Panel Screws

Monitor

Key

- Empezaremos a instalar el cableado interno de una computadora ! A Trabajar Se Ha dicho !



# Instalando Cableado Interno



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

EXTERNAL CABLES

TEST

EXPLORE

Click the highlighted socket to install.



- Seleccionamos el cable y lo arrastramos a la ranura ubicada en la tarjeta madre.

# Instalando Cableado Interno



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

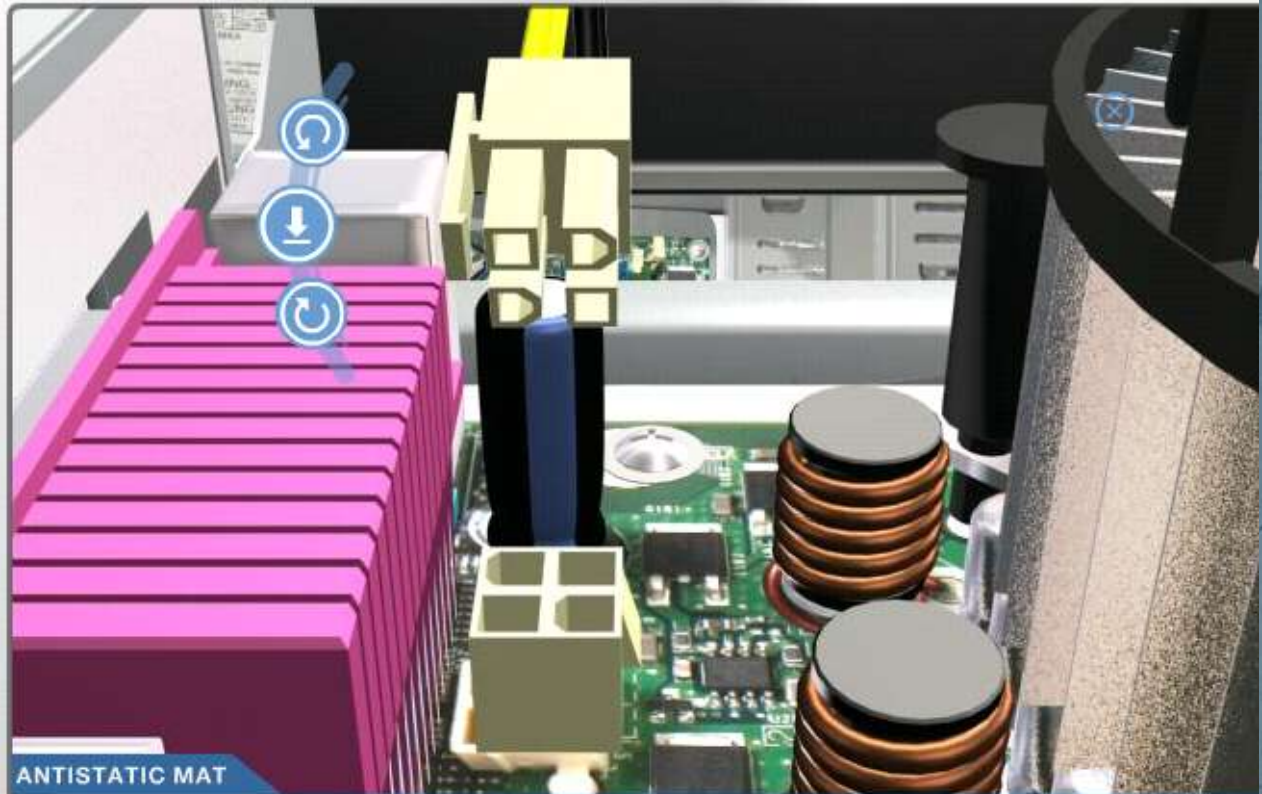
- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



PATA  
Cable



Floppy  
Cable



SATA  
Cable



Case Panels



Panel  
Screws



Monitor



Key

- Insertaremos el cable en la ranura correspondiente.



# Instalando Cableado Interno

CISCO  
IT Essentials Virtual Desktop

Help

**LEARN**

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

**INTERNAL CABLES**

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Click the highlighted socket to install.

ANTISTATIC MAT

PATA Cable

Floppy Cable

SATA Cable

Case Panels

Panel Screws

Monitor

Key

- Seleccionamos el cable y lo arrastramos hacia la ranura correspondiente ubicada en la tarjeta madre.

# Instalando Cableado Interno

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. On the left, a navigation pane includes sections for 'LEARN', 'POWER SUPPLY', 'MOTHERBOARD', 'ADAPTER CARDS', 'INTERNAL DRIVES', 'DRIVES IN EXTERNAL BAYS', and 'INTERNAL CABLES'. The 'INTERNAL CABLES' section is active, showing instructions: 'Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.' and a list of cable types: 20-pin ATX Power, 4-pin Auxiliary Power, SATA Power, Molex Power, Berg Power, Case Fan Power, and SATA. Below the list is a 'Show Instructions' checkbox. The main area features a 3D model of a motherboard with various components and cables. A toolbar at the bottom contains icons for 'PATA Cable', 'Floppy Cable', 'SATA Cable', 'Case Panels', 'Panel Screws', 'Monitor', and 'Key'. The interface also includes a 'Help' icon in the top right corner and an 'ANTISTATIC MAT' label at the bottom of the 3D model.

- Colocamos el cable en la ranura correspondiente, así es como debe colocarse el cable.



# Instalando Cableado Interno

CISCO  
IT Essentials Virtual Desktop Help

**LEARN**

- POWER SUPPLY
- MOTHERBOARD
- ADAPTER CARDS
- INTERNAL DRIVES
- DRIVES IN EXTERNAL BAYS
- INTERNAL CABLES**

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

**EXTERNAL CABLES**

**TEST**

**EXPLORE**

Click the highlighted socket to install.



ANTISTATIC MAT

PATA Cable Floppy Cable SATA Cable Case Panels Panel Screws Monitor Key

- Seleccionamos el cable y lo arrastramos a la ranura de la unidad de DVD.

# Instalando Cableado Interno



IT Essentials Virtual Desktop

help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

EXTERNAL CABLES

TEST

EXPLORE

Click the highlighted socket to install.



ANTISTATIC MAT



PATA  
Cable



Floppy  
Cable



SATA  
Cable



Case Panels



Panel  
Screws



Monitor



Key

- Seleccionamos el cable y lo colocamos en la ranura de la tarjeta madre.



# Instalando Cableado Interno

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. On the left, a navigation menu includes sections for LEARN, POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS, and INTERNAL CABLES. The INTERNAL CABLES section is active, showing instructions to connect internal cables to components and a list of cable types: 20-pin ATX Power, 4-pin Auxiliary Power, SATA Power, Molex Power, Berg Power, Case Fan Power, and SATA. Below the list is a checkbox for 'Show Instructions'. The main area features a 3D model of a motherboard with various components and cables. A toolbar at the bottom contains icons for PATA Cable, Floppy Cable, SATA Cable, Case Panels, Panel Screws, Monitor, and Key. The interface also includes a Cisco logo, the text 'IT Essentials Virtual Desktop', and a 'Help' button in the top right corner.

- Colocamos el cable en la ranura, en la pantalla se muestra como debe ser colocado.

# Instalando Cableado Interno



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

EXTERNAL CABLES

TEST

EXPLORE

Click the highlighted socket to install.

ANTISTATIC MAT



PATA  
Cable



Floppy  
Cable



SATA  
Cable



Case Panels



Panel  
Screws



Monitor



Key

- Seleccionamos el cable y lo colocamos en la ranura de la tarjeta madre.



# Instalando Cableado Interno

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'Help ?' button. The main content area is titled 'LEARN' and contains a list of components: FUENTE DE ALIMENTACION, PLACA BASE, ADAPTADOR DE TARJETAS, DISCOS INTERNOS, unidades en compartimientos externos, and CABLES DE INTERIOR. The 'CABLES DE INTERIOR' section is highlighted in green and contains the following text: 'Conecte todos los cables internos de los componentes de equipo adecuado. Asegurese de hacer coincidir el pin 1 al pin 1 al conectar los cables a los dispositivos.' Below this text is a list of cables to connect: 20-pines ATX, 4-pin de alimentacion auxiliar, de alimentacion SATA, Molex de alimentacion, Berg energia, and Caso de alimentacion de. A 'Show Instructions' checkbox is present. Below the list are sections for 'CABLES EXTERNOS', 'TEST', and 'EXPLORE'. The central part of the interface shows a 3D view of a computer case with a hard drive installed. A yellow ATX power connector is being placed into a slot on the drive. A blue arrow points to the connector, and a blue circular icon with a downward arrow indicates the placement action. Below the 3D view is a toolbar with icons for 'PATA Cable', 'Cables Disquete', 'SATA Cable', 'Panel', 'Panel Tornillos', 'Cable Monitor', and 'Te'. The text 'ANTISTATIC MAT' is visible at the bottom of the 3D view.

- Colocamos el cable en la ranura, en la pantalla se muestra como debe ser colocado.

# Instalando Cableado Interno

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. On the left, a navigation pane includes sections for 'LEARN', 'POWER SUPPLY', 'MOTHERBOARD', 'ADAPTER CARDS', 'INTERNAL DRIVES', 'DRIVES IN EXTERNAL BAYS', and 'INTERNAL CABLES'. The 'INTERNAL CABLES' section is active, showing instructions to connect internal cables to computer components and a list of cable types: 20-pin ATX Power, 4-pin Auxiliary Power, SATA Power, Molex Power, Berg Power, Case Fan Power, and SATA. Below the list is a checkbox for 'Show Instructions'. The main area shows a 3D model of a PC case with internal components. A yellow callout box points to a highlighted socket on the motherboard with the text: 'Click the highlighted socket to install.' At the bottom, a toolbar contains icons for 'PATA Cable', 'Floppy Cable', 'SATA Cable', 'Case Panels', 'Panel Screws', 'Monitor', and 'Key'. The top of the interface features the Cisco logo and the text 'IT Essentials Virtual Desktop' with a 'Help' icon.

- Seleccionamos el cable y lo colocamos en la ranura de la tarjeta madre.



# Instalando Cable PATA

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. On the left, a navigation menu includes sections for 'LEARN' (with sub-items like 'FUENTE DE ALIMENTACION', 'PLACA BASE', 'ADAPTADOR DE TARJETAS', 'DISCOS INTERNOS', 'unidades en compartimientos externos', and 'CABLES DE INTERIOR'), 'CABLES EXTERNOS', 'TEST', and 'EXPLORE'. The main area shows a 3D model of a computer motherboard with a PATA cable being inserted into a connector. A callout bubble points to the connector with the text 'PATA PIN 1'. Below the model is a toolbar with icons for 'PATA Cable', 'Cables Disquete', 'SATA Cable', 'Panel', 'Panel Tornillos', 'Cable Monitor', and 'Te'. The top right corner of the interface has a 'Help' icon.

- La pantalla nos muestra la ranura, tenemos que colocar el cable de esta forma para poder insertarla.

# Instalando Cable PATA

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

- FUENTE DE ALIMENTACION
- PLACA BASE
- ADAPTADOR DE TARJETAS
- DISCOS INTERNOS
- unidades en compartimientos externos
- CABLES DE INTERIOR**

Conecte todos los cables internos de los componentes de equipo adecuado. Asegurese de hacer coincidir el pin 1 al pin 1 al conectar los cables a los dispositivos.

Conecte los cables a los dispositivos:

- 20-pines ATX
- 4-pin de alimentacion auxiliar
- de alimentacion SATA
- Molex de alimentacion
- Berg energia
- Caso de alimentacion de

Show Instructions

**CABLES EXTERNOS**

**TEST**

**EXPLORE**

Click the highlighted socket to install.

ANTISTATIC MAT

PATA Cable, Cables Disquete, SATA Cable, Panel, Panel Tornillos, Cable Monitor, Te

- Después insertaremos el otro extremo del cable PATA en la ranura de la unidad de DVD.



# Instalando Cable PATA

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'Help' icon. The main window shows a 3D model of a server rack with a drive bay open. A PATA cable is being inserted into the drive. The interface includes a 'LEARN' sidebar on the left with a table of contents and a list of instructions. At the bottom, there is a toolbar with icons for various components like PATA Cable, Cables Disquete, SATA Cable, Panel, Panel Tornillos, Cable Monitor, and Te.

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

FUENTE DE ALIMENTACION
PLACA BASE
ADAPTADOR DE TARJETAS
DISCOS INTERNOS
unidades en compartimientos externos
<b>CABLES DE INTERIOR</b>

Conecte todos los cables internos de los componentes de equipo adecuado. Asegurese de hacer coincidir el pin 1 al pin 1 al conectar los cables a los dispositivos.

Conecte los cables a los dispositivos:

- 20-pines ATX
- 4-pin de alimentacion auxiliar
- de alimentacion SATA
- Molex de alimentacion
- Berg energia
- Caso de alimentacion de

Show Instructions

**CABLES EXTERNOS**

**TEST**

**EXPLORE**

ANTISTATIC MAT

PATA Cable Cables Disquete SATA Cable Panel Panel Tornillos Cable Monitor Te

- Ahora insertaremos el otro extremo del cable PATA en la ranura de la unidad de DVD.

# Instalando Cable FLOPPY

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

FUENTE DE ALIMENTACION

PLACA BASE

ADAPTADOR DE TARJETAS

DISCOS INTERNOS

unidades en compartimientos externos

**CABLES DE INTERIOR**

Conecte todos los cables internos de los componentes de equipo adecuado. Asegurese de hacer coincidir el pin 1 al pin 1 al conectar los cables a los dispositivos.

Conecte los cables a los dispositivos:

- 20-pines ATX
- 4-pin de alimentacion auxiliar
- de alimentacion SATA
- Molex de alimentacion
- Berg energia
- Caso de alimentacion de

Show Instructions

**CABLES EXTERNOS**

**TEST**

**EXPLORE**

PATA Cable

Cables Disquete

SATA Cable

Panel

Panel Tornillos

Cable Monitor

Te

PIN 1

ANTISTATIC MAT

- Seleccionamos cable floppy y después lo insertaremos en la ranura que nos muestra la pantalla.



# Instalando Cable FLOPPY



## LEARN

### POWER SUPPLY

### MOTHERBOARD

### ADAPTER CARDS

### INTERNAL DRIVES

### DRIVES IN EXTERNAL BAYS

### INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

### EXTERNAL CABLES

## TEST

## EXPLORE



- El otro extremo del cable floppy lo conectaremos en ranura de la unidad floppy.

# Instalando Cable FLOPPY



IT Essentials Virtual Desktop

help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

EXTERNAL CABLES

TEST

EXPLORE



- En esta etapa insertaremos el otro extremo del cable Floppy en la unidad Floppy.



# Instalando Cable SATA

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'Help' icon. The main content area is titled 'IT Essentials Virtual Desktop' and features a 'LEARN' sidebar on the left. The sidebar lists various components: POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS, and INTERNAL CABLES (which is currently selected). Below the sidebar, there is instructional text: 'Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.' and 'Connect the cables to the devices:' followed by a bulleted list of cable types: 20-pin ATX Power, 4-pin Auxiliary Power, SATA Power, Molex Power, Berg Power, Case Fan Power, and SATA. A 'Show Instructions' checkbox is present. Below the sidebar are sections for 'EXTERNAL CABLES', 'TEST', and 'EXPLORE'. The main window shows a 3D view of a computer case with the motherboard and power supply visible. A yellow callout box says 'Drag the SATA Cable from the antistatic mat to the highlighted area.' A red double-headed arrow points from a highlighted SATA cable on an 'ANTISTATIC MAT' at the bottom to a SATA power connector on the motherboard. At the bottom of the interface is a toolbar with icons for 'PATA Cable', 'Floppy Cable', 'SATA Cable' (highlighted with a red arrow), 'Case Panels', 'Panel Screws', 'Monitor', and 'Key'.

- Seleccionaremos el cable SATA y lo conectaremos en la ranura de la tarjeta madre que aparece en la pantalla.

# Instalando Cable SATA

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'help' icon. The main navigation pane on the left includes sections for 'LEARN', 'POWER SUPPLY', 'MOTHERBOARD', 'ADAPTER CARDS', 'INTERNAL DRIVES', 'DRIVES IN EXTERNAL BAYS', and 'INTERNAL CABLES'. The 'INTERNAL CABLES' section is active, showing instructions: 'Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.' Below this, it lists cable types: 20-pin ATX Power, 4-pin Auxiliary Power, SATA Power, Molex Power, Berg Power, Case Fan Power, and SATA. A 'Show Instructions' checkbox is present. The main window shows a 3D model of a motherboard with a SATA cable being inserted into a SATA port. A yellow highlight is on the SATA port. A toolbar at the bottom contains icons for PATA Cable, Floppy Cable, SATA Cable, Case Panels, Panel Screws, Monitor, and Key.

- Colocaremos el cable SATA en la ranura de la tarjeta madre, así es como debe ser colocado el cable SATA.



# Instalando Cable SATA



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES III EXTERNAL BAYS

INTERNAL CABLES

Connect all internal cables to the appropriate computer components. Be sure to match Pin 1 to Pin 1 when connecting cables to the devices.

Connect the cables to the devices:

- 20-pin ATX Power
- 4-pin Auxiliary Power
- SATA Power
- Molex Power
- Berg Power
- Case Fan Power
- SATA

Show Instructions

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



PATA  
Cable



Floppy  
Cable



SATA  
Cable



Case Panels



Panel  
Screws



Monitor



Key

- Aquí colocaremos el otro extremo del cable SATA en la ranura del disco duro.

# Instalando Cableado Interno



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.

OK

EXTERNAL CABLES

TEST

EXPLORE



ANTISTATIC MAT



PATA  
Cable



Floppy  
Cable



SATA  
Cable



Case Panels



Panel  
Screws



Monitor



Key

- Hemos terminado satisfactoriamente la instalación del cableado interno.



# Instalando Cableado Externo

**LEARN**

- POWER SUPPLY
- MOTHERBOARD
- ADAPTER CARDS
- INTERNAL DRIVES
- DRIVES IN EXTERNAL BAYS
- INTERNAL CABLES
- EXTERNAL CABLES**

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

**TEST**

**EXPLORE**

ANTISTATIC MAT

Drag the Case Panels from the antistatic mat to the highlighted area.

Case Panels

Panel Screws

Monitor

Keyboard

Mouse

USB

E

- Aquí arrastraremos la tapa de la carcasa y después la atornillaremos.

# Instalando Cableado Externo

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

- POWER SUPPLY
- MOTHERBOARD
- ADAPTER CARDS
- INTERNAL DRIVES
- DRIVES IN EXTERNAL BAYS
- INTERNAL CABLES
- EXTERNAL CABLES**

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

**TEST**

**EXPLORE**

ANTISTATIC MAT

Drag the Monitor Cable from the antistatic mat. Drop it on the highlighted area.

Case Panels | Panel Screws | **LEARN MORE** | Keyboard | Mouse | USB | Et

- Ahora arrastraremos el cable del monitor en el sitio al que corresponde, como se muestra en la imagen.



# Instalando Cableado Externo



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

TEST

EXPLORE



ANTISTATIC MAT



Case Panels



Panel Screws



Monitor



Keyboard



Mouse



USB



Et

# Instalando Cableado Externo

**LEARN**

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

**EXTERNAL CABLES**

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

**TEST**

**EXPLORE**

ANTISTATIC MAT

Case Panels

Panel Screws

Monitor

Keyboard

LEARN MORE

Mouse

USB

Ethernet

Help ?

- Ahora procederemos a instalar el mouse arrastrándolo con el teclado hasta el lugar que nos indiquen.



# Instalando Cableado Externo



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

TEST

EXPLORE



ANTISTATIC MAT



Case Panels



Panel Screws



Monitor



Keyboard



LEARN MORE



USB



Et

# Instalando Cableado Externo



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

TEST

EXPLORE

Drag the Mouse Cable from the antistatic mat. Drop it on the highlighted area.



ANTISTATIC MAT



- Ahora instalaremos el mouse arrastrándolo donde nos indiquen.



# Instalando Cableado Externo



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

TEST

EXPLORE



ANTISTATIC MAT



Case Panels



Panel  
Screws



Monitor



Keyboard



Mouse



USB



E

# Instalando Cableado Externo

The screenshot displays the Cisco IT Essentials Virtual Desktop interface. At the top left is the Cisco logo, and at the top right is a 'Help' icon. A navigation menu on the left lists various components: LEARN, POWER SUPPLY, MOTHERBOARD, ADAPTER CARDS, INTERNAL DRIVES, DRIVES IN EXTERNAL BAYS, INTERNAL CABLES, and EXTERNAL CABLES (which is highlighted in green). Below the menu, instructions state: 'To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer. Connect the cables to the computer:' followed by a list: Monitor, Keyboard, Mouse, USB, Ethernet, and Parallel. A 'Show Instructions' checkbox is present. At the bottom left, there are 'TEST' and 'EXPLORE' buttons. The main window shows a 3D model of a computer case with a yellow highlight on the USB port. A yellow callout box says: 'Drag the USB Cable from the antistatic mat. Drop it on the highlighted area.' A red arrow points from the 'ANTISTATIC MAT' toolbar to the highlighted USB port. The toolbar contains icons for Monitor, Keyboard, Mouse, a 'LEARN MORE' button, Ethernet, Wireless Antenna, and Power Cord.

- Ahora instalaremos el cable USB.



# Instalando Cableado Externo



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

## TEST

## EXPLORE



ANTISTATIC MAT



# Instalando Cableado Externo

**CISCO** IT Essentials Virtual Desktop Help ?

**LEARN**

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

**EXTERNAL CABLES**

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

**TEST**

**EXPLORE**

Monitor Keyboard Mouse USB **Ethernet** Wireless Antenna Power Cord

Drag the Ethernet Cable from the antistatic mat. Drop it on the highlighted area.

ANTISTATIC MAT

- Ahora instalaremos el cable de Ethernet.



# Instalando Cableado Externo



## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

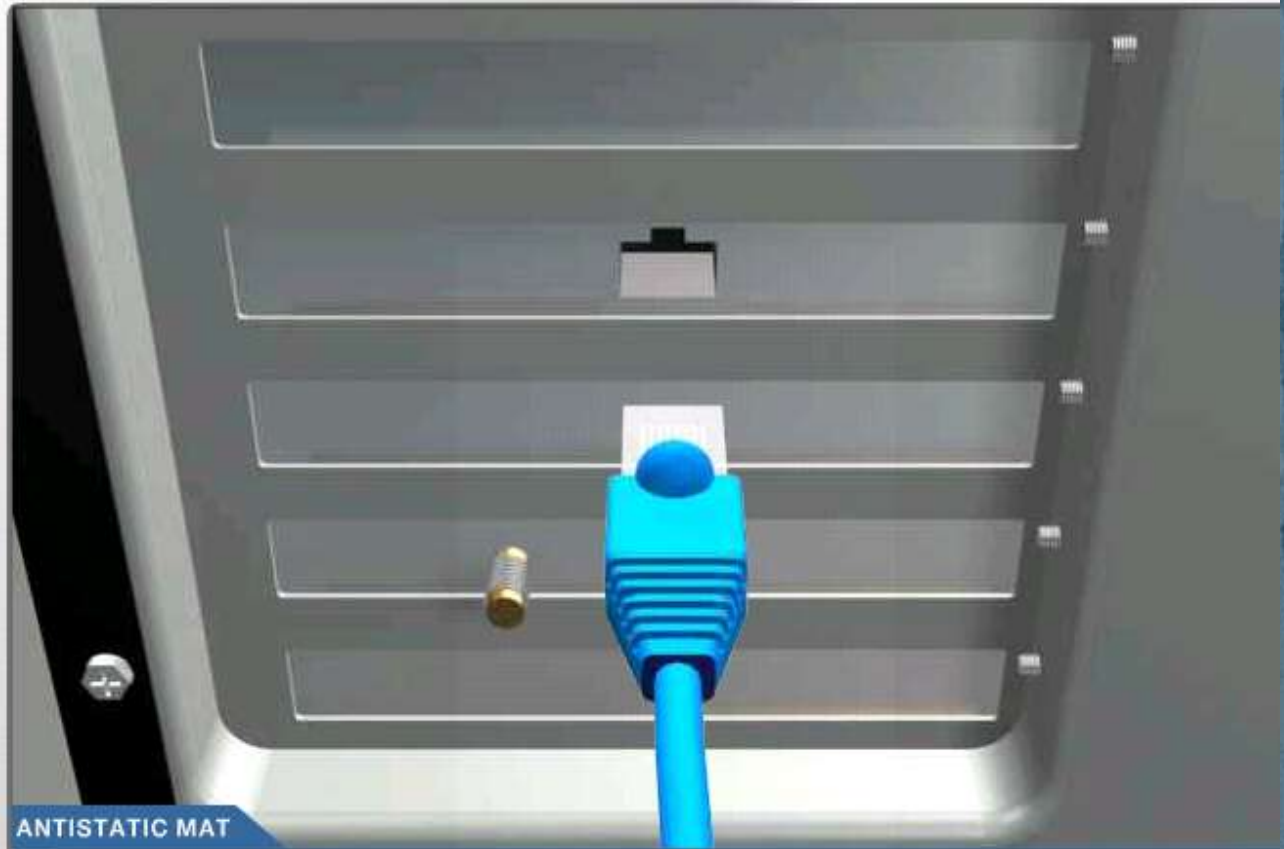
Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

## TEST

## EXPLORE



ANTISTATIC MAT



# Instalando Cableado Externo



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

TEST

EXPLORE

Drag the Antenna Cable from the antistatic mat. Drop it on the highlighted area.



ANTISTATIC MAT



- Ahora instalaremos la antena inalámbrica.



# Instalando Cableado Externo

**CISCO** IT Essentials Virtual Desktop Help (?)

**LEARN**

**POWER SUPPLY**

**MOTHERBOARD**

**ADAPTER CARDS**

**INTERNAL DRIVES**

**DRIVES III EXTERNAL BAYS**

**INTERNAL CABLES**

**EXTERNAL CABLES**

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

**ANTISTATIC MAT**

Drag the Power Cable from the antistatic mat. Drop it on the highlighted area.

Monitor Keyboard Mouse USB Ethernet Wireless Antenna

LEARN MORE

- Ahora instalaremos el cable de alimentación.

# Instalando Cableado Externo



## LEARN

- POWER SUPPLY
- MOTHERBOARD
- ADAPTER CARDS
- INTERNAL DRIVES
- DRIVES IN EXTERNAL BAYS
- INTERNAL CABLES
- EXTERNAL CABLES

To complete the computer assembly, attach the panels and secure them to the case using the panel screws. You are now ready to connect the external cables to the ports on the back of the computer.

Connect the cables to the computer:

- Monitor
- Keyboard
- Mouse
- USB
- Ethernet
- Parallel

Show Instructions

## TEST

## EXPLORE



ANTISTATIC MAT





# INSTALACIÓN COMPLETA !!!



IT Essentials Virtual Desktop

Help ?

## LEARN

POWER SUPPLY

MOTHERBOARD

ADAPTER CARDS

INTERNAL DRIVES

DRIVES IN EXTERNAL BAYS

INTERNAL CABLES

EXTERNAL CABLES

You have completed installing the items on this layer. You may now return to the course lesson, or continue exploring your virtual computer.

OK

Click anywhere to return to the External Cables



ANTISTATIC MAT

tor

Keyboard

Mouse

USB

Ethernet

Wireless Antenna

Power Cord

TEST

EXPLORE

- **ENHORABUENA** hemos terminado de instalar todos los componentes de una CPU.