

Resumen 5 Videos



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Introducción



❖ **Packet tracer.** Es una herramienta de aprendizaje y simulación de redes interactiva para los instructores y alumnos. Esta herramienta les permite a los usuarios crear topologías de red, configurar dispositivos insertar paquetes y simular una red con múltiples representaciones visuales.

Tipo de Vistas



- ❖ **Logical;** Nuevo cluster, Mover objeto, Definir fondo, Ventana
- ❖ **Physical;** New city, New building, New closet, Move object, Grid, Set background.

Barra de Herramientas



- ❖ Abrir asistente
- ❖ Guardar proyecto
- ❖ Proyecto nuevo
- ❖ Copiar pegar d
- ❖ Deshacer y Rehacer
- ❖ Zoom
- ❖ Paleta dibujo
- ❖ Dispositivos personalizados
- ❖ Imprimir
- ❖ Activity Wizard

Ventana de Trabajo



Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Realtime

Time: 00:03:16 Power Cycle Devices Fast Forward Time

Routers

1841 1941 2620XM 2621XM 2811 2901 2911 Generic Generic

Scenario 0 New Delete

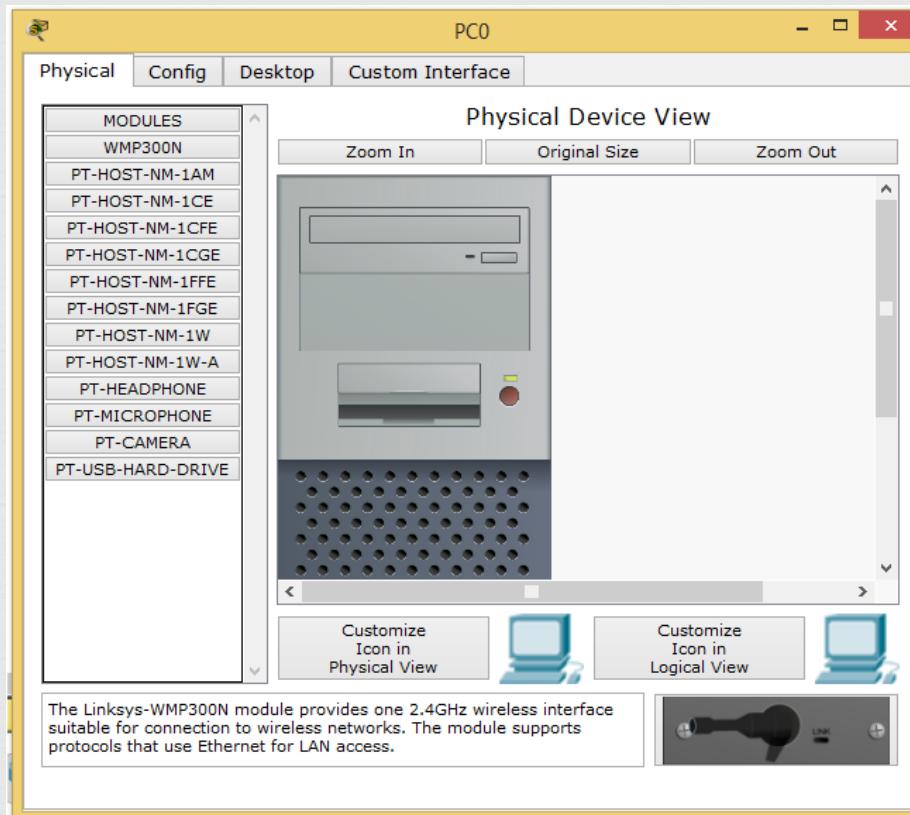
Fire Last Status Source Destination Type Color Time(sec) Periodic Num

Toggle PDU List Window

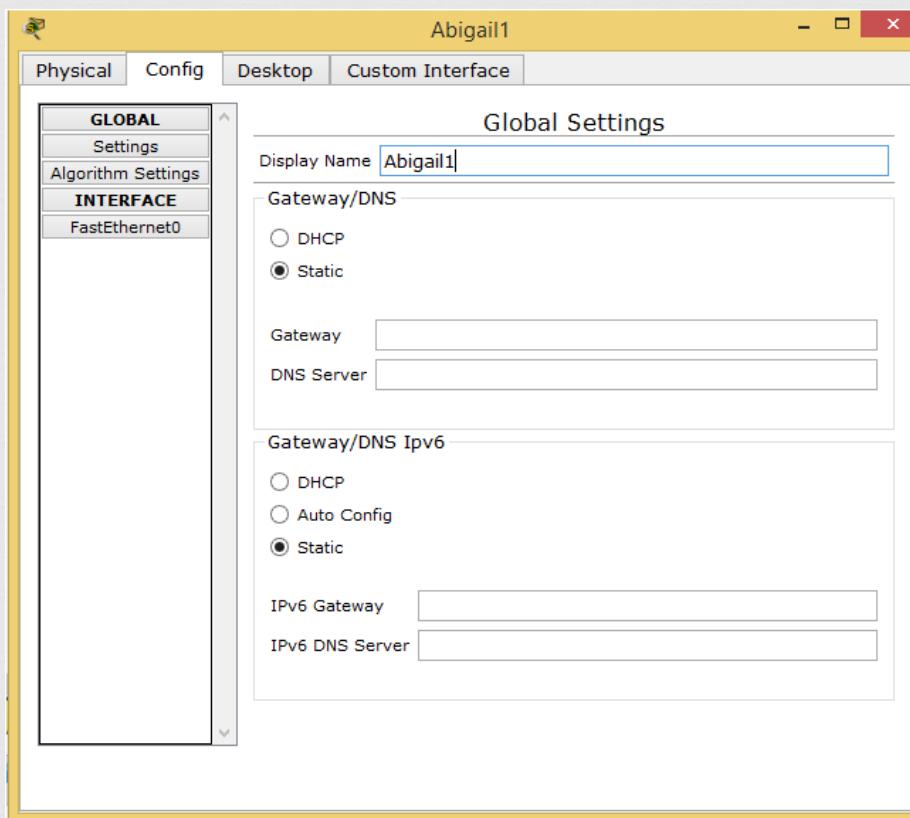
2620XM

This screenshot shows a user interface for a network simulation or management application. The top menu bar includes tabs for 'Logical' (selected), 'New Cluster', 'Move Object', 'Set Tiled Background', and 'Viewport'. On the right side, there's a vertical toolbar with icons for selection, zoom, search, and other tools. The bottom section is titled 'Realtime' and contains a timeline with time markers at 00:03:16, along with buttons for 'Power Cycle Devices' and 'Fast Forward Time'. A 'Routers' panel lists device models: 1841, 1941, 2620XM, 2621XM, 2811, 2901, 2911, Generic, and Generic. Below this is a scenario configuration panel for 'Scenario 0' with 'New' and 'Delete' buttons. The main workspace is currently empty, indicated by a large yellow placeholder icon. A status bar at the bottom shows the selected device as '2620XM'.

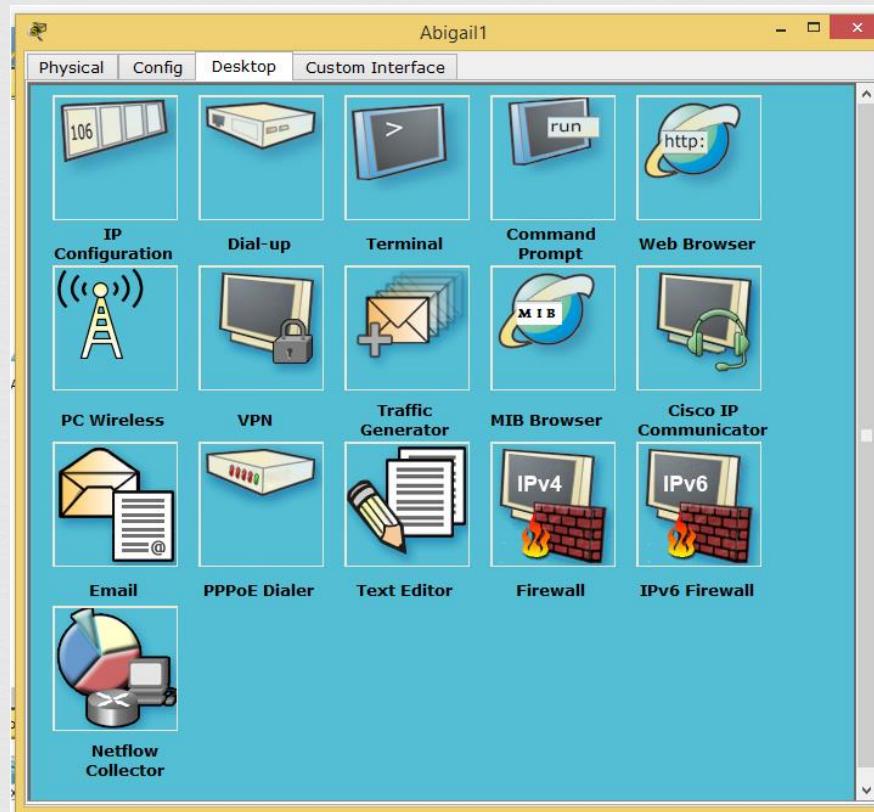
Pestañas PC



Pestañas PC



Pestañas PC



SWITCH



Switch0

Physical Config CLI

MODULES

Physical Device View

Zoom In Original Size Zoom Out

1014x300 Cisco Catalyst 2960

Switch1

Physical Config CLI

MODULES

PT-SWITCH-NM-1CE
PT-SWITCH-NM-1CFE
PT-SWITCH-NM-1CGE
PT-SWITCH-NM-1FFE
PT-SWITCH-NM-1FGE

Physical Device View

Zoom In Original Size Zoom Out

Packet Tracer Switch

Switch-PT Switch1

The image displays two windows representing network switches. The top window, titled 'Switch0', shows a physical device view of a Catalyst 2960 switch with 24 ports. The bottom window, titled 'Switch1', shows a physical device view of a Packet Tracer Switch with various module slots populated by different types of modules. Both windows include tabs for Physical, Config, and CLI, and provide zoom controls for the device views.

Comandos SWITCH



- ❖ **Switch>Enable(en):** Permite acceder a la consola con modo privilegiado, para verificar que este haya surtido efecto Switch> pasa a ser Switch#
- ❖ **Switch#Exit:** Volver a la entrada inicial de la consola
- ❖ **Switch>?:** Despliega la lista de todos los comandos de Packet Tracer en modo no privilegiado
- ❖ **Switch#?:** Despliega una lista mas completa de comandos para operar en el modo privilegiado
- ❖ **Switch#Write:** Para escribir la configuración actual ala memoria, ala red o al terminal
- ❖ **Switch#Config Terminal:** Permite entrar al modo de configuración global, para verificar que se ha entrado a la configuración global aparecerá de la siguiente manera Switch(config)#
- ❖ **Switch(config)#hostname:** Cambiar hostname al Switch.
- ❖ **Switch(config)#Interface:** Permite entrar a cualquiera de las interfaces
- ❖ **Switch(config)#int f0/1:** Permite entrar al modo de interfaces para verificar su función debe aparecer como Switch(config-if)#

ROUTER



- ❖ **Router>Enable:** Permite entrar ala configuración del router en modo privilegiado
- ❖ **Router#config t:** Permite entrar ala configuración de la global
- ❖ **Router(config)#rip**
- ❖ **Ruter(config)#Version 2:** Permite cambiar en la configuración la versión del router

FastEthernet0/0	
Port Status	<input type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> Auto
10 Mbps	<input checked="" type="radio"/> 100 Mbps
Duplex	<input checked="" type="radio"/> Auto
Full Duplex	<input checked="" type="radio"/> Half Duplex
MAC Address	00E6.2A07.4830
IP Address	192.168.16.254
Subnet Mask	255.255.255.0
Tx Ring Limit	50