



Packet Tracer 4.11

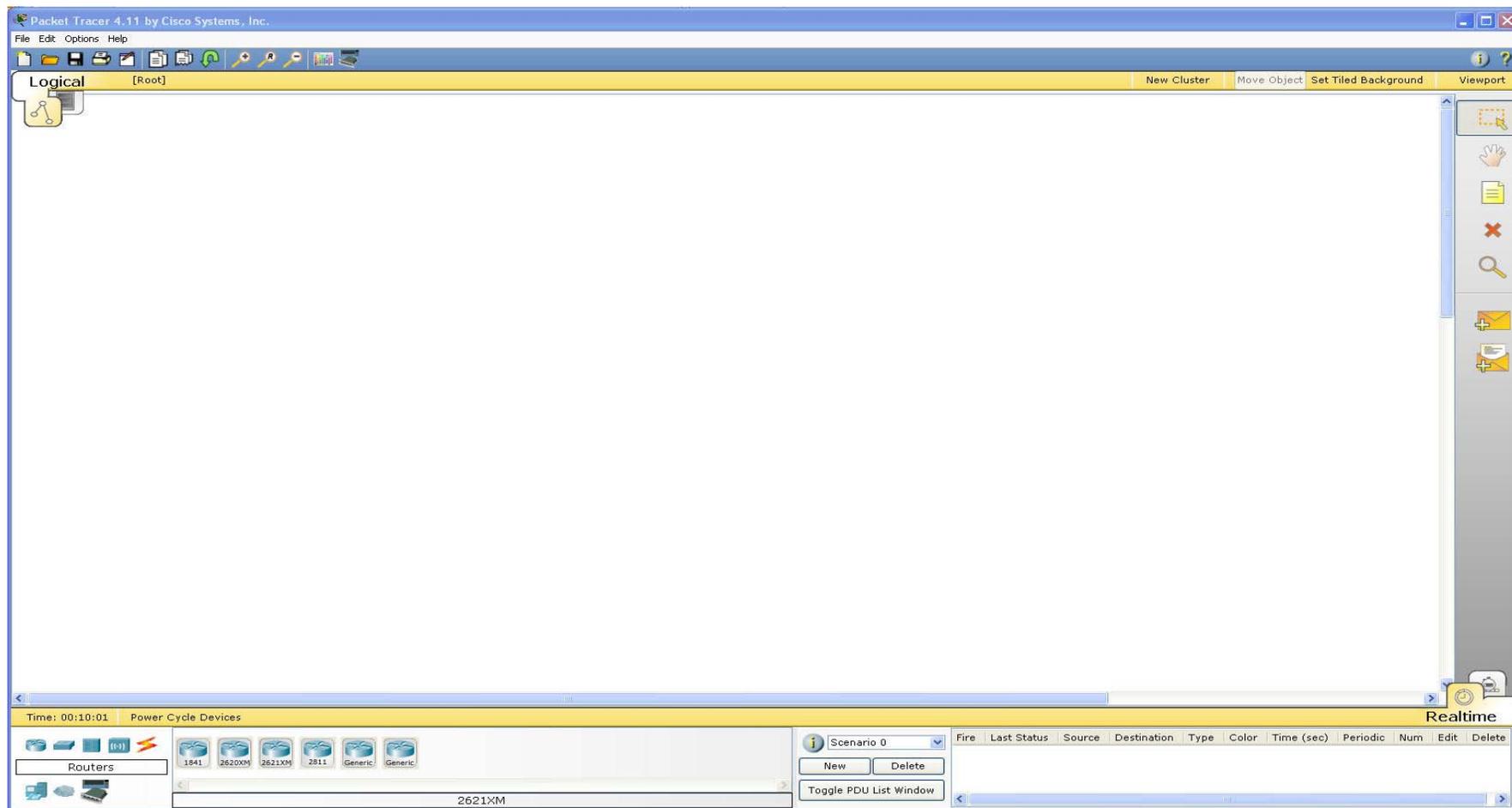


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Pourquoi Packet Tracer ?

- Packet Tracer est un outil de simulation d'équipements Cisco.
- Il permet aux stagiaires de pratiquer même à domicile.
- Il permet de visualiser le fonctionnement d'un interréseau.
- Il permet des échanges de configuration entre périphériques physiques et les équipements en Packet Tracer.

Fenêtre générale de Packet Tracer



Création d'une topologie



Ajout d'un équipement

Création d'un équipement

The screenshot shows the Packet Tracer 4.1 interface. At the top, there's a yellow header bar with 'Logical [Root]' on the left and 'New Cluster', 'Move Object', 'Set Tiled Background', and 'Viewport' on the right. The main workspace is titled 'Création d'un équipement' and contains a '2620XM Router0' icon. A red arrow points from a box containing '1. Cliquez sur le bouton de Sélection' to a selection button in the right-hand toolbar. Another red arrow points from a box containing '4. Cliquez sur l'espace de travail' to the '2620XM Router0' icon. At the bottom, there's a 'Power Cycle Devices' panel with a 'Routers' sub-panel. A red arrow points from a box containing '2. Sélectionnez un type d'équipement' to the 'Routers' sub-panel. Another red arrow points from a box containing '3. Sélectionnez un équipement' to the 'Generic' router icon in the 'Routers' sub-panel. The 'Routers' sub-panel shows icons for '1841', '2620XM', '2621XM', '2811', 'Generic', and 'Generic'. Below this, there's a search bar containing '2620XM'. To the right of the 'Routers' sub-panel, there's a 'Scenario 0' dropdown menu, 'New' and 'Delete' buttons, and a 'Toggle PDU List Window' button. Below these, there's a table with columns 'Fire', 'Last Status', 'Source', and 'Destination'.

1. Cliquez sur le bouton de Sélection

2. Sélectionnez un type d'équipement

3. Sélectionnez un équipement

4. Cliquez sur l'espace de travail

Personnalisation d'un équipement

4. Remettez le périphérique sous tension

1. Arrêtez le périphérique

3. Glissez le module sur le périphérique

2. Sélectionnez un module

Time: 00:08:23 Power Cycle Devices

Realtime

Scenario 0

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

Toggle PDU List Window

Connexion des équipements



Création d'une connexion

3. Sélectionnez une interface sur équipement destination

1. Sélection une connexion

2. Sélectionnez une interface sur équipement source

Configuration d'un périphérique



Configuration d'un périphérique

The screenshot shows the Packet Tracer 4.11 interface. On the left, the 'Router0' configuration window is open, displaying the 'Config' tab. The 'Global Settings' section includes fields for 'Display Name' (Router0) and 'Hostname' (Router), along with buttons for 'Erase', 'Save', 'Load...', 'Export...', 'Merge...', and 'Export...'. Below this, the 'Equivalent IOS Commands' section shows the following commands:

```

Router(config-router)#
Router(config-router)#exit
Router(config)#
Router(config)#router rip
Router(config-router)#
    
```

A red arrow points from a text box labeled 'Via une GUI' to the configuration window. The main workspace shows a network diagram with two 2621XM Routers (Router0 and Router1) connected by a red line, and a PC-PT PC0 connected to Router0 by a cyan line. The bottom status bar shows 'Time: 00:19:45', 'Power Cycle Devices', and 'Realtime' mode.

Configuration d'un périphérique

Packet Tracer 4.11 by Cisco Systems, Inc.

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

Router0

Physical Config CLI

IOS Command Line Interface

```

2 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
16384K bytes of processor board System flash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Router(config-router)#exit
Router(config)#
Router(config)#router rip
Router(config-router)#
  
```

Copy Paste

2621XM Router0

PC-PT PC0

2621XM Router1

En ligne de commande

Time: 00:19:45 Power Cycle Devices

Realtime

Scenario 0

New Delete

Toggle PDU List Window

Connections Console

Configuration d'un périphérique

Packet Tracer 4.1.1 by Cisco Systems, Inc.

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

PC0

2621XM Router0

2621XM Router1

PC0

Physical Config Desktop

Terminal

```
X.25 software, Version 3.0.0.
2 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
16384K bytes of processor board System flash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Router(config-router)#exit
Router(config)#
Router(config)#router rip
Router(config-router)#
```

Via le Port Console à partir d'un ordinateur

Time: 00:19:45 Power Cycle Devices

Scenario 0

New Delete

Toggle PDU List Window

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

Realtime

Console

Importation/Exportation de configuration

The screenshot displays the Packet Tracer 4.1 interface. On the left, a network diagram shows a PC-PT PC0 connected to a 2950T-24 Switch0, which is in turn connected to a 621XM Router0. A red curved arrow indicates a configuration import path from the Router0 to the PC0. On the right, the Router0 configuration window is open, showing the 'Config' tab and 'Global Settings' section. The 'Startup Config' section has 'Load...' and 'Export...' buttons. An 'Open' file dialog is overlaid on the configuration window, showing the 'Sauvegarde des configuration' folder containing files named merida.TXT, switch1.TXT, switch2.TXT, and vargas.TXT. The 'Nom du fichier' field is set to 'merida.TXT' and the 'Fichiers de type' is set to 'Config Files (*.txt)'. The status bar at the bottom shows 'Time: 00:20:05', 'Power Cycle Devices', and 'Realtime'.

Chargez la configuration d'un équipement réel en startup-config

Importation/Exportation de configuration

The screenshot shows the Packet Tracer 4.1 interface. On the left, a network diagram includes a PC-PT PC0, a 2950T-24 Switch0, and a 6211XM Router0. A red curved arrow indicates a configuration import operation from the Router0 configuration window to the PC0. The Router0 configuration window is open to the 'Global Settings' tab, showing fields for Display Name (Router0) and Hostname (Merida). An 'Open' file dialog is also open, displaying a file explorer view of the 'Sauvegarde des configuration' folder, with 'merida.TXT' selected. The status bar at the bottom indicates 'Time: 00:20:05' and 'Power Cycle Devices'.

Ajoutez la configuration d'un équipement réel en running-config

Importation/Exportation de configuration

The screenshot shows the Packet Tracer 4.1 interface. On the left, a network diagram displays a PC-PT (PC0) connected to a 2950T-24 (Switch0), which is in turn connected to a 621XM Router0. The main workspace is titled 'Logical [Root]'. On the right, the 'Switch0' configuration window is open, showing the 'Config' tab with 'Global Settings' for 'Switch0'. Below this, an 'Open' file dialog is displayed, showing a file explorer view of a 'Serveur TFTP Solaris' with two configuration files: 'abraracourcix-config.txt' and 'agecanonix-config.txt'. The 'agecanonix-config.txt' file is selected. The dialog shows the file name and type as 'Config Files (*.txt)'. At the bottom of the interface, the status bar indicates 'Time: 00:20:39', 'Power Cycle Devices', and 'Realtime'.

Récupérez la configuration d'un équipement réel à partir d'une sauvegarde sur serveur TFTP

Importation/Exportation de configuration

The screenshot shows the Packet Tracer interface. On the left, a network diagram includes a PC-PT PC0, a 2950T-24 Switch0, and a 621XM Router0. On the right, the configuration window for Switch0 is open, showing the 'Config' tab with 'Global Settings'. Below this, a 'Save As' dialog box is open, showing the file name 'Switch0_running-config.txt' and the file type 'Config Files (*.txt)'. A red-bordered text box is overlaid on the diagram area.

Sauvegardez une configuration de Packet Tracer en fichier texte

Contrôle de la connectivité



Contrôle de la connectivité

1. Pour générer un Ping, cliquez sur PDU simple

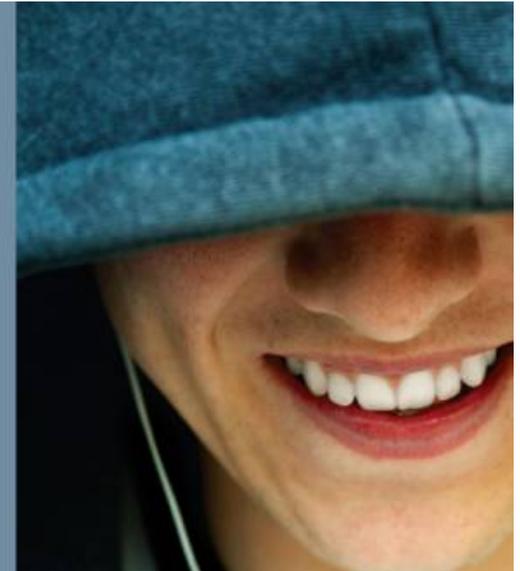
2. Sélectionnez la source

3. Sélectionnez la destination

4. Résultats

Fire	Last Status	Source	Destination	Type	Color	Time (sec)	Periodic	Num	Edit	De
	Successful	Marketing_2	Engenerring_3	ICMP		0.000	N	0	(edit)	(d)
	Successful	Marketing_2	Engenerring_3	ICMP		0.000	N	1	(edit)	(d)

Mode Simulation



Mode Simulation

4. Résultats

2. Sélectionnez la source

3. Sélectionnez la destination

1. Passez en mode simulation

Vis.	Time (s)	Last Device	At Device	Type	Int
	0.000	--	Marketing_2	ICMP	
	0.002	Switch6	Switch5	ICMP	
	0.003	Switch5	Router4	ICMP	
	0.004	Router4	Switch5	ICMP	
	0.005	Switch5	Engennering_3	ICMP	
	0.006	Engennering_3	Switch5	ICMP	
	0.007	Switch5	Router4	ICMP	
	0.008	Router4	Switch5	ICMP	
	0.009	Switch5	Switch6	ICMP	
	0.010	Switch6	Marketing_2	ICMP	



Conclusions



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- Même si Packet Tracer ne prend pas en charge l'ensemble des commandes (la redistribution de protocoles par exemple), il constitue un outil d'aide pédagogique extraordinaire.
- Il est nécessaire de soutenir l'effort accompli en espérant voir apparaître d'autres périphériques notamment des switches layer 3.

Questions Réponses



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