

Daniel C.

classe 5 A

Presentazione

VPNs

VPN

(Virtual Private Network)



Cisco Packet Tracer

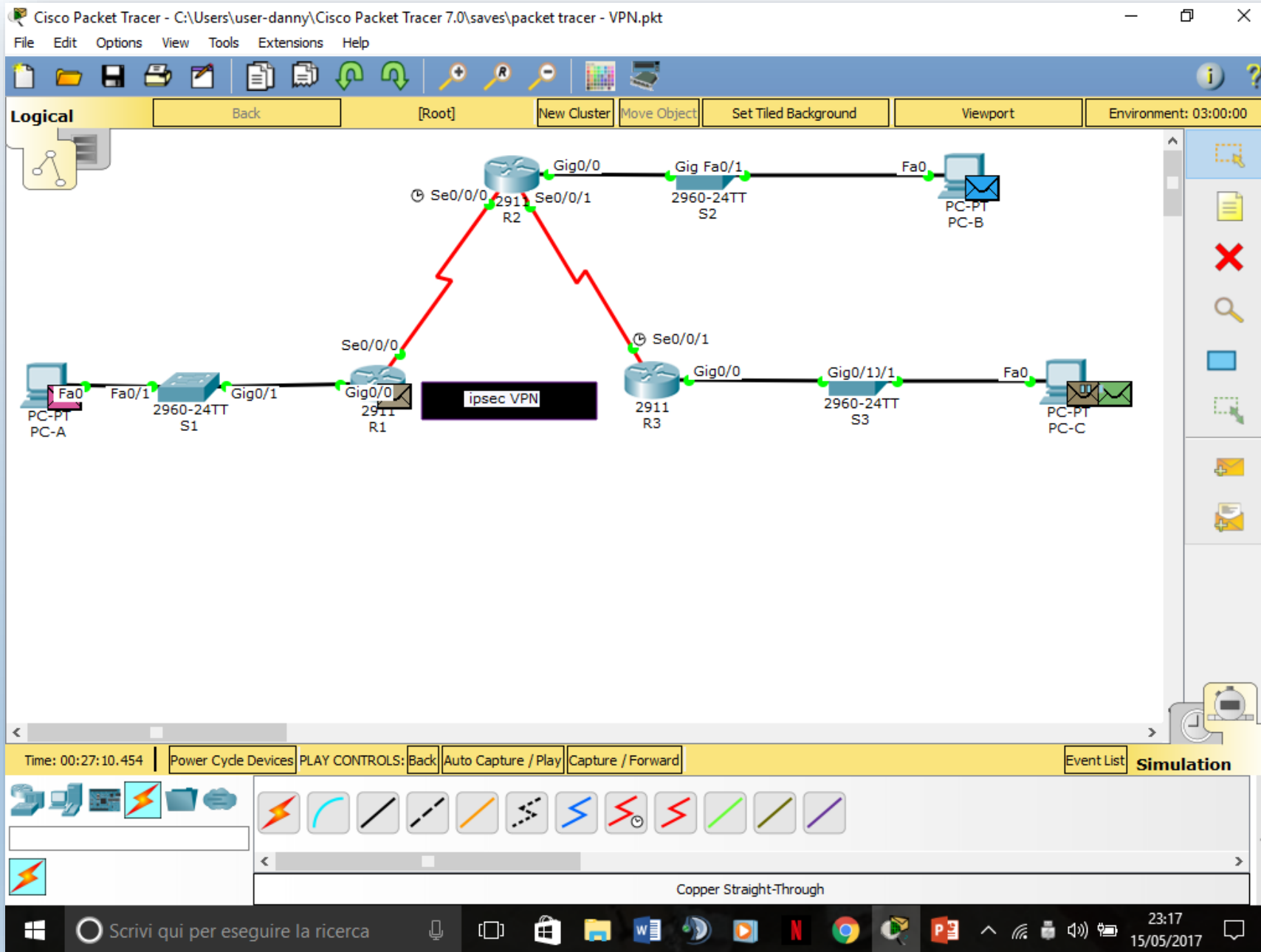
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Cisco Packet Tracer

 cisco



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TOPOLOGIA FISICA DI UNA RETE VPN

A large, red, glossy speech bubble with a white outline and a drop shadow, centered on a light blue gradient background. Inside the bubble, the text 'CLI' is written in large, white, bold, sans-serif font.

CLI

Command Line Interface

ComputerHope.com

Cisco Packet Tracer - C:\Users\user-danny\Cisco Packet Tracer 7.0\saves\packet tracer - VPN.pkt

File Edit Options View Tools Extensions Help

Logical Back [Root] New Cluster Move Object Set Tiled Background Viewport Environment: 10:30:00

Physical Config CLI Attributes

IOS Command Line Interface

```
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R!
R1(config)#hostname R1
R1(config)#int g0/0
R1(config-if)#ip add
R1(config-if)#ip address
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no sh

R1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0, changed state to up

R1(config-if)#int s0/0/0
R1(config-if)#ip a
R1(config-if)#ip add
R1(config-if)#ip address 10.1.1.2 255.255.255.252
R1(config-if)#no sh

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
R1(config-if)#exit
R1(config)#
```

Copy Paste

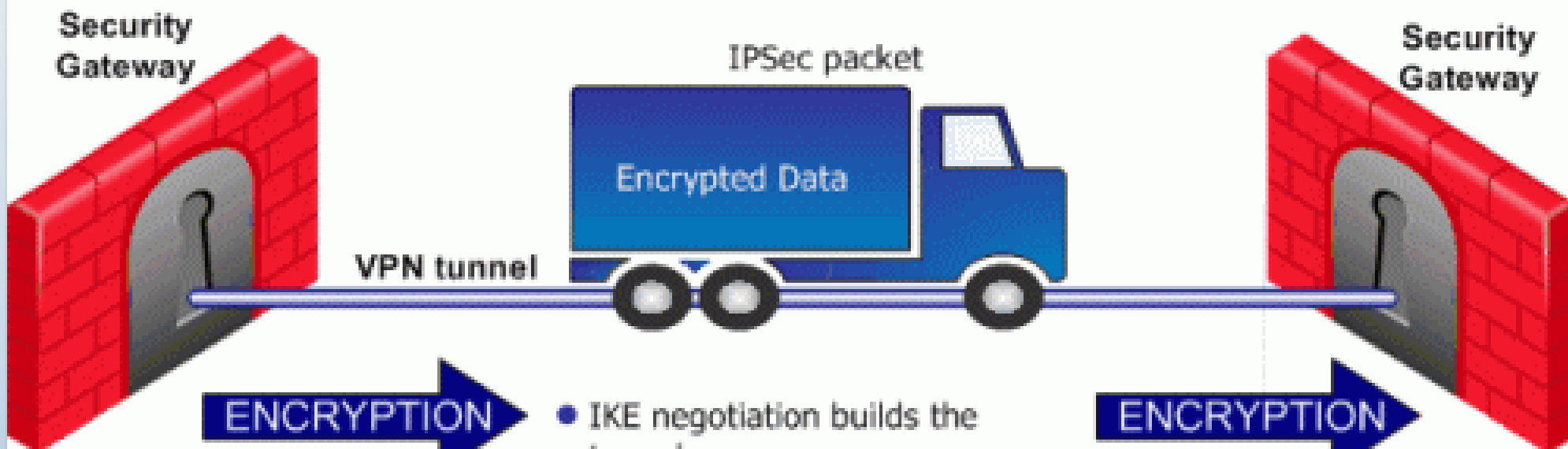
Time: 00:12:24 Power Cycle Devices Fast Forward

Realtime

Copper Straight-Through

21:03 15/05/2017

IPSec



- IKE negotiation builds the tunnel
- IPSec keys used to create encrypted IP packets for transporting data
- Data payload encrypted (DES, AES, or other)
- Data integrity ensured with one-way hash functions (MD5 or SHA1)
- Fast bulk data transfer