

# Packet Tracer Speyer – May 2014

Stefan Platzek

# Contents

Again: Where to get Info/News **1**

**5** Q&A

What's new? Various small things **2**

What's new? Routing Protocols **3**

1<sup>st</sup> Glimpse PT-Mobile (with  **demos**) **4**



# Where to get Info/News? - The Community

# Where are the Hottest News?

Welcome: Stefan Platzer | Anmeldung | Hilfe

**CISCO** Cisco Networking Academy

NetSpace Home | About Us | Program | Angebote | **Communities**

Welcome to NetSpace

Teach | **Verwalten** | Learn

Access the Courses You Are Teaching

- CCNAS\_Fast-Track  
CCNA Security: Instructor Fast Track  
IT-Bildungsnetz e.V.
- acc\_wan  
CCNA Exploration 4: Accessing the WAN  
GFN College GmbH

Aktionen

- Create a Course
- Manage Instructor Accreditation
- Access Academy Reports
- Packet Tracer**
- Passport21

# What's new? Various small things

# What's new? – General

## Preview on V6.1

- **Information/Features Subject to Change without notice**
- Services added
- More functions for security

# What's new? Services/Clients

IP Configuration

Dial-up

Terminal

Command Prompt

Web Browser

PC Wireless

VPN

Traffic Generator

MIB Browser

Cisco IP Communicator

Email

PPPoE Dialer

Text Editor

Firewall

IPv6 Firewall

Netflow

PC-DESKTOP

PC-DESKTOP

SRV-DESKTOP

Prompt

Generator

VPN

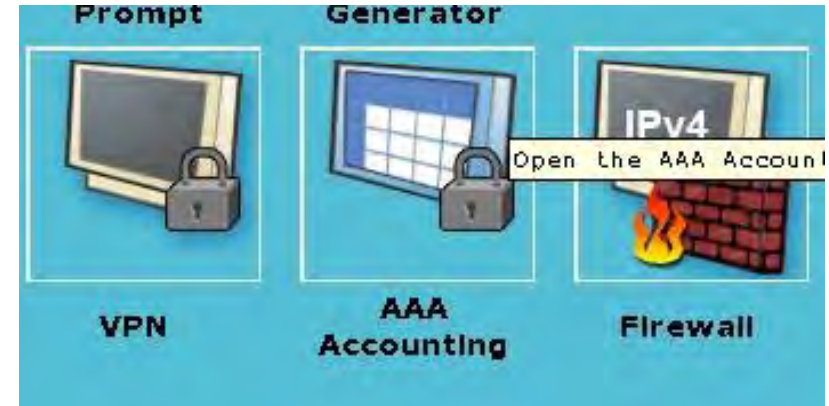
AAA Accounting

Firewall

Open the AAA Account...

# What's new? AAA

## AAA Accounting: Login accounting exec ...



AAA	Secret	ServerType	Radius
NTP			
EMAIL			
FTP			

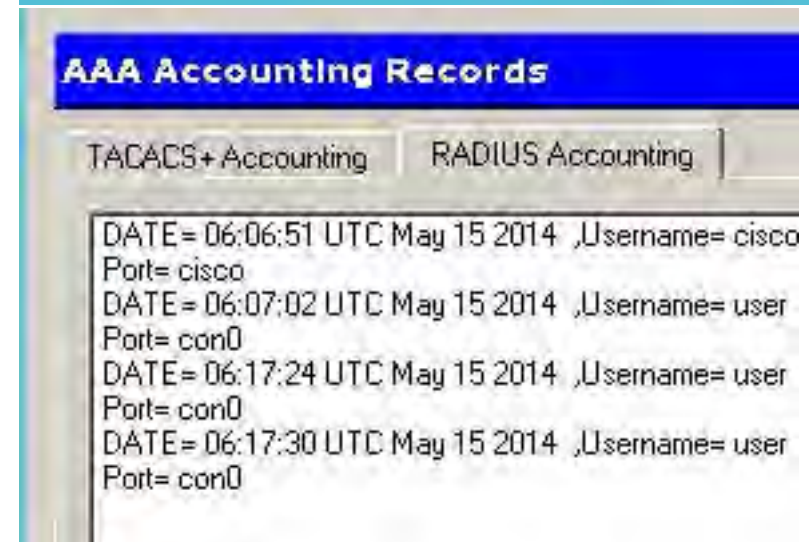
	Client Name	Client IP	Server Type	Key
1	R1	192.168.10.1	Radius	ciscosecr

User Setup

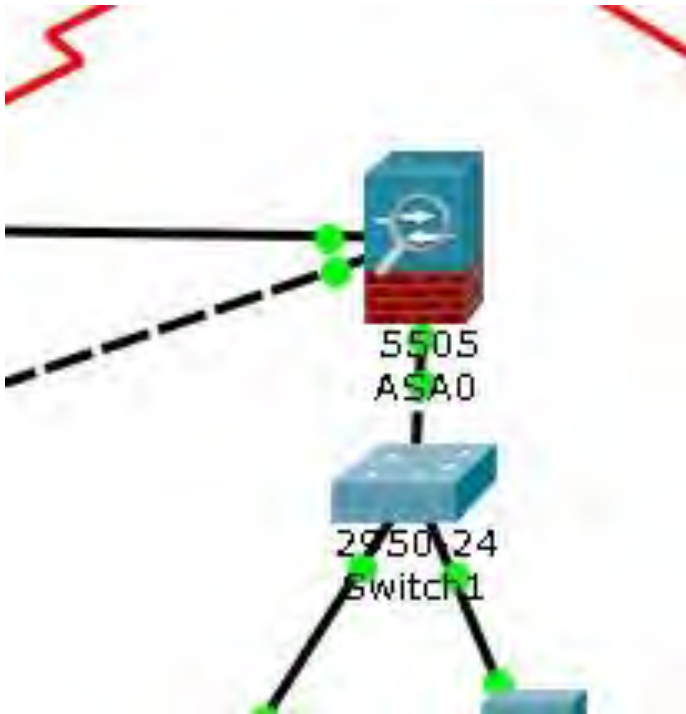
Username:  Password:

	Username	Password
1	user	cisco





# What's new? ASA



- No GUI like SDM, CCP
- Focus on CCNA-Security
- Limited functionality
  - DMZ
  - Dhcpd
  - Clientless VPN
  - Service Policies

# What's New? DHCP

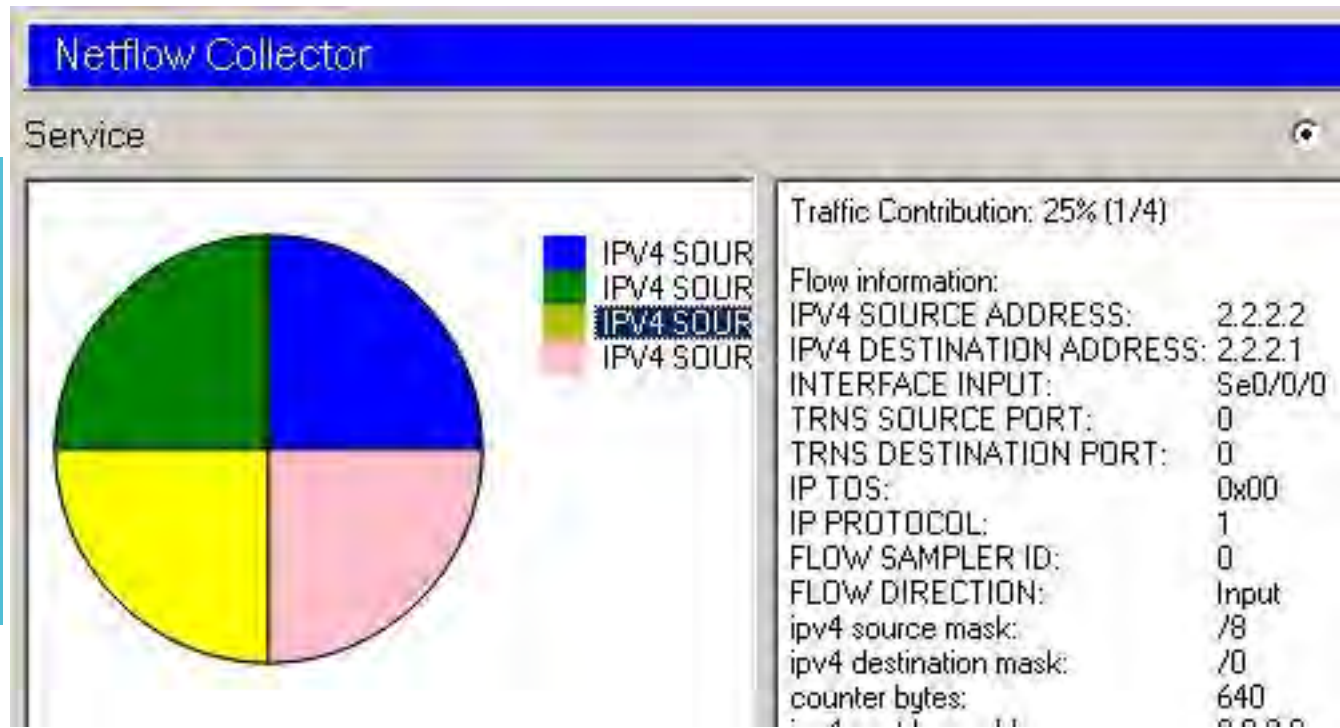
- APIPA (Port Mac && 169.254.0.0)
- Address conflicts
- DHCP Snooping (demo?)
- IPv6
  - Config flag on ND
  - Statefull server

# What's new? IOS15

- IOS 15 on Switches
- Use as example for IOS-Upgrade
- Did you try TFTP Server?
- Did you try SYSLOG Server?

# What's new? Netflow

- On the interface: ip flow ingress
- Global: ip flow export destination a.b.c.d 9996



# What's new? – ZFW

- Have you ever tried ZFW?
- More Alignment with CCNA-Security
- Either IPv4 or IPv6
- New commands
  - Parameter-map

# What's new ? Routing Protocols

# What's new? Routing Protocols

- Some improvements in NBMA networks
- EIGRP
  - eigrp neighbor
- OSPF
  - Default-information originate
  - Area range incl. Range costs
  - Auto-cost
  - Distance ospf [external|inter-area|intra-area]
  - ospf neighbor



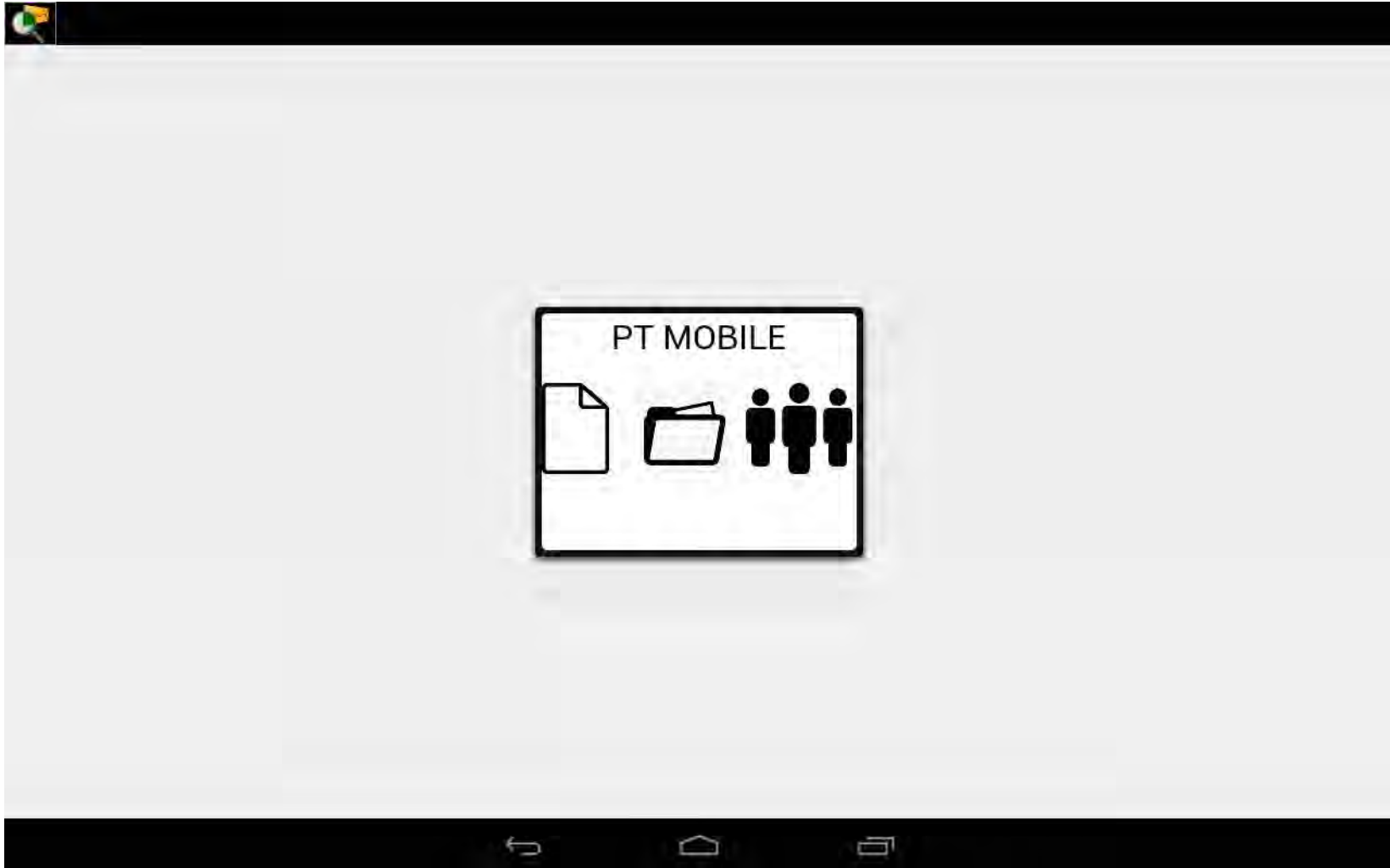
# 1<sup>st</sup> Glimpse PT-Mobile



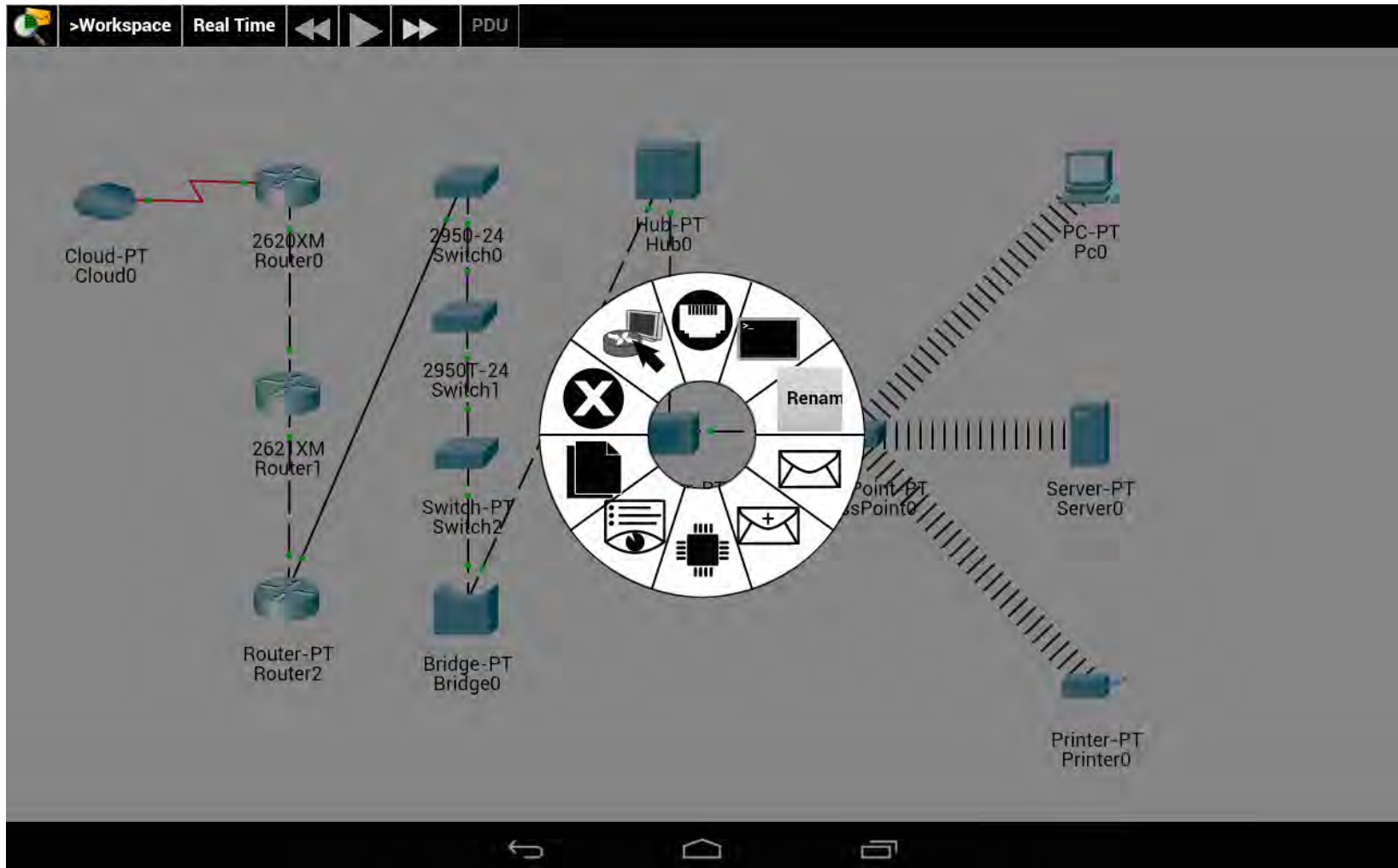
# PT-Mobile: THIS IS BETA

- Demo
- Android only – yet
- No time frame
- Different GUI
- Not full featured yet

# THIS IS BETA



# THIS IS BETA



# THIS IS BETA



>Workspace >Router2 >CLI Real Time PDU

Enter Readonly ROMMON initialized

<1-99> Self decompressing the image :  
##### [OK]

auto Restricted Rights Legend

clear Use, duplication, or disclosure by the Government is  
subject to restrictions as set forth in subparagraph  
(c) of the Commercial Computer Software - Restricted  
Rights clause at FAR sec. 52.227-19 and subparagraph  
clock (c) (1) (ii) of the Rights in Technical Data and Computer  
Software clause at DFARS sec. 252.227-7013.

configure

connect cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, California 95134-1706

copy

debug

delete Cisco Internetwork Operating System Software  
IOS (tm) PT1000 Software (PT1000-I-M), Version 12.2(28), RELEASE SOFTWARE (fc5)  
Technical Support: <http://www.cisco.com/techsupport>  
Copyright (c) 1986-2005 by cisco Systems, Inc.  
Compiled Wed 27-Apr-04 19:01 by m1wang

dir

disable PT 1001 (PTSC2005) processor (revision 0x200) with 60416K/5120K bytes of memory  
.  
disconnect Processor board ID PT0123 (0123)  
PT2005 processor: part number 0, mask 01  
Bridging software.  
enable X.25 software, Version 3.0.0.  
erase 4 FastEthernet/IEEE 802.3 interface(s)  
2 Low-speed serial(sync/async) network interface(s)  
32K bytes of non-volatile configuration memory.  
exit 63488K bytes of ATA CompactFlash (Read/Write)

logout Press RETURN to get started!

mkdir %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

more %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

no Router>ena  
Router#

ping

reload

resume

Virtual keyboard: ? ... ↑ ↓ Abort Break End [Enter] [Esc] [F1] [F2] [F3] [F4] [F5] [F6] [F7] [F8] [F9] [F10] [F11] [F12]

# This is Beta

>Workspace >Router2 >CLI Real Time PDU

```

Enter
-----
access-group
address
authentication
flow
hello-interval
helper-address
inspect
ips
mtu
nat
ospf
ospf
proxy-arp
split-horizon
summary-address
virtual-reassembly

Self decompressing the image :
##### [OK]

Restricted Rights Legend

Use, duplication, or disclosure by the Government is
subject to restrictions as set forth in subparagraph
(c) of the Commercial Computer Software - Restricted
Rights clause at FAR sec. 52.227-19 and subparagraph
(c) (1) (ii) of the Rights in Technical Data and Computer
Software clause at DFARS sec. 252.227-7013.

cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706

Cisco Internetwork Operating System Software
IOS (tm) PT1000 Software (PT1000-I-M), Version 12.2(28), RELEASE SOFTWARE (fc5)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2005 by cisco Systems, Inc.
Compiled Wed 27-Apr-04 19:01 by miwang

PT 1001 (PTSC2005) processor (revision 0x200) with 60416K/5120K bytes of memory

Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

Router>ena
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet 0/0
Router(config-if)#ip
    
```

? ... ↑ ↓ Abort Break End

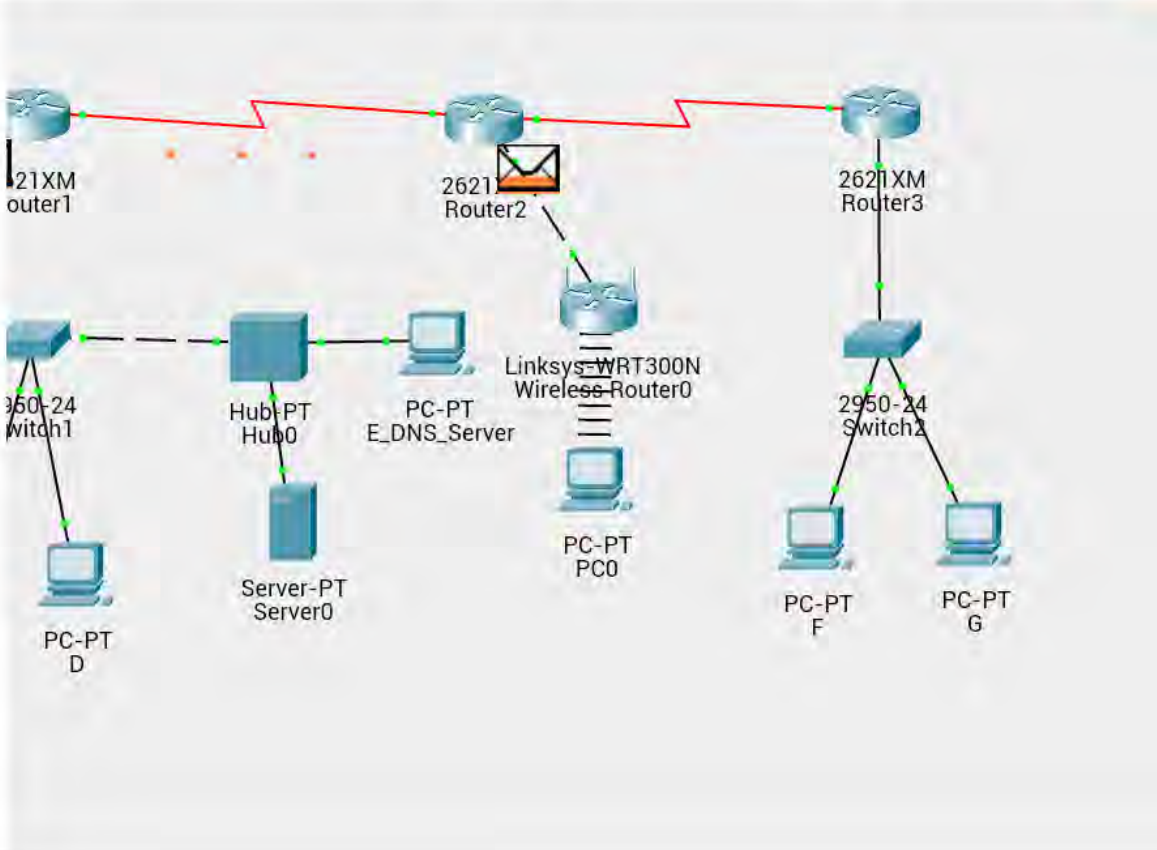
# This is Beta

>Workspace Simulation PDU

OSI Layers Pdu In Details Pdu Out Details Event List

Destination: f

In Layers	Out Layers
Layer 7	Layer 7
Layer 6	Layer 6
Layer 5	Layer 5
Layer 4	Layer 4
Layer 3: IP Header - Src. IP: 192.168.10.10, Dest. IP: 10.10.10.10 ICMP Message - Type: 0x8	Layer 3: IP Header - Src. IP: 192.168.10.10, Dest. IP: 10.10.10.10 ICMP Message - Type: 0x8
Layer 2: HDLC Frame - ...	Layer 2: HDLC Frame - ...
Layer 1: Port: Serial0/0	Layer 1: Port(s): Serial0/1



Q&A.....

# Demo Packet Tracer Export

Save

Save As..

Save As pkz

Export As CC

File name:

Files of type: Common Cartridge (\*.imsc)

Export File as Common Cartridge

Package Path: Z:/Users/stefanplatzek/Desktop/11.6.2.imsc

Canvas Wiki Options

Enable wiki page export

Wiki Page Name FT Labs

Package Caption This is a PT LAB

Package Description

Exported Lab from Curriculum

Import Tags ...

Select Export Tags

Import Content

Content Type

Select One

- Select One
- Copy a Canvas Course
- Canvas Course Export Package
- Unzip .zip file into folder
- Angel export .zip format
- Blackboard 6/7/8/9 export .zip file
- Blackboard Vista/CE, WebCT 6+ Course
- Common Cartridge 1.0/1.1/1.2 Package
- D2L export .z
- Moodle 1.9 .z

STB CCNA5 Moodle > Assignments

Current Jobs

PT-Lab1

**B I U** A ab

Click here for your

[Pt Labs](#)

Wiki Pages

- Launch Chapter 8
- Launch Chapter 9
- Launch Routing & Essentials
- Passport 21 Case Studies
- Pt Labs**

Links Files Images

Click any file to insert a download file.

- course files
  - unfiled
  - Quiz Files
  - Course Downloadable
  - Packet Tracer Files
    - 11.6.2.pkz



# Cisco | Networking Academy<sup>®</sup>

Mind Wide Open<sup>™</sup>



Thank you.



[Stefan.platzek@technikerschule-berlin.de](mailto:Stefan.platzek@technikerschule-berlin.de)