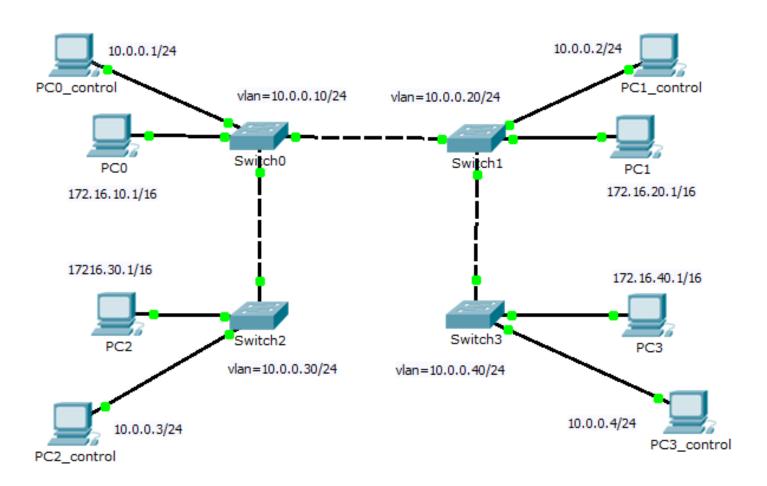
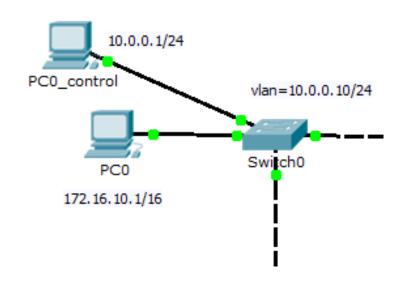
LAN – propojení 4 přepínačů



- Switch> en
- Switch# conf t

CLI konzola switch0

- Switch(config)# hostname sw0
- sw0(config)# enable secret cisco
- sw0(config)# int vlan1
- sw0(config-if)# ip address 10.0.0.10 255.255.255.0
- sw0(config-if)# line vty 0 4
- sw0(config-line)# password cisco
- > sw0(config-line)#
- > sw0# sh ip int brief
- > sw0# en
- > sw0# conf t
- sw0(config)# int vlan1
- > sw0(config-if)# no sh



Kontrola zapojení a testy

sw0> **en**

Password:

sw0# sh cdp ne

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge

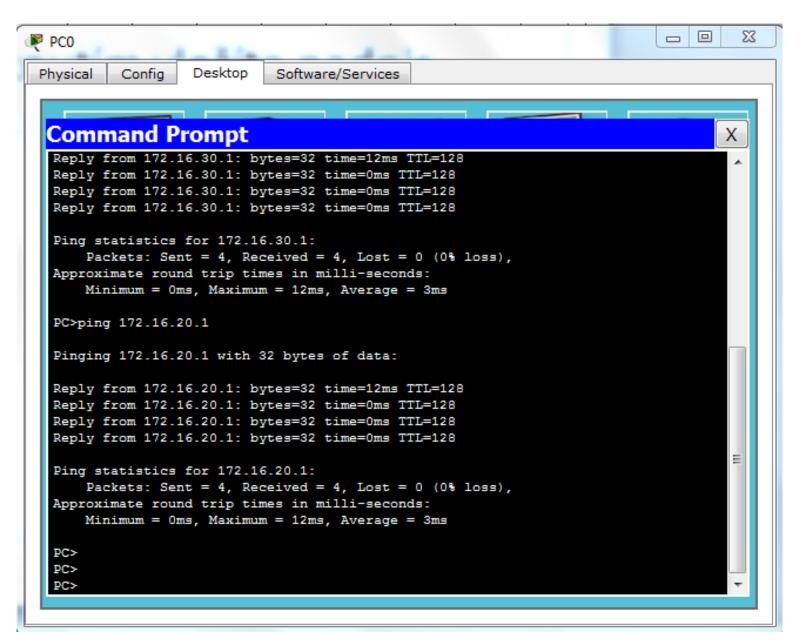
S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone

Device ID Local Intrfce Holdtme Capability Platform Port ID sw2 Gig 1/1 167 S 2960 Gig 1/1

sw1 Gig 1/2 134 S 2960 Gig 1/2

sw0#

Kontrola ping



sw0# sh arp

Kontrola ARP tabulky

Protocol Address
Internet 10.0.0.1
Internet 10.0.0.10

Age (min) Hardware Addr Type Interface
74 0060.7084.DDC3 ARPA Vlan1
- 0001.C913.943B ARPA Vlan1

sw0#

sw0# sh mac address-table

Mac Address Table

Vlan Mac Address Type Ports

1 0001.438a.1a01 DYNAMIC Gig1/1

1 0002.1762.2802 DYNAMIC Gig1/2

á

Naplnění ARP tabulky

```
sw0# sh arp
```

Protocol Address Age (min) Hardware Addr Type Interface
Internet 10.0.0.1 122 0060.7084.DDC3 ARPA Vlan1
Internet 10.0.0.10 - 0001.C913.943B ARPA Vlan1

sw0# sh mac add

Mac Address Table

Vlan	Mac Address	Туре	Ports
1	0001.438a.1a01	DYNAMIC	Gig1/1
1	0002.1762.2802	DYNAMIC	C Gig1/2
1	0005.5e8c.aa02	DYNAMIC	Gig1/1
1	0060.2f24.9811	DYNAMIC	Gig1/2
sw0#			

Další příkazy IOS cisco

- > SW2> en
- > SW2# erase?
- startup-config Erase contents of configuration memory
- SW2# erase start
- > SW2# erase startup-config
- ➤ Erasing the nvram filesystem will remove all configuration files! Continue? [confirm] [OK] Erase of nvram: complete %SYS-7-NV_BLOCK_INIT: Initialized the geometry of nvram
- ➤ SW2# reload
- Proceed with reload? [confirm]

Studený restart systému

C2960 Boot Loader (C2960-HBOOT-M) Version 12.2(25r)FX, RELEASE SOFTWARE (fc4)

Cisco WS-C2960-24TT (RC32300) processor (revision C0) with 21039K bytes of memory.

2960-24TT starting...

Base ethernet MAC Address: 000B.BED5.97D7

Xmodem file system is available.

Initializing Flash...

flashfs[0]: 1 files, 0 directories

flashfs[0]: 0 orphaned files, 0 orphaned directories

flashfs[0]: Total bytes: 64016384

flashfs[0]: Bytes used: 4414921

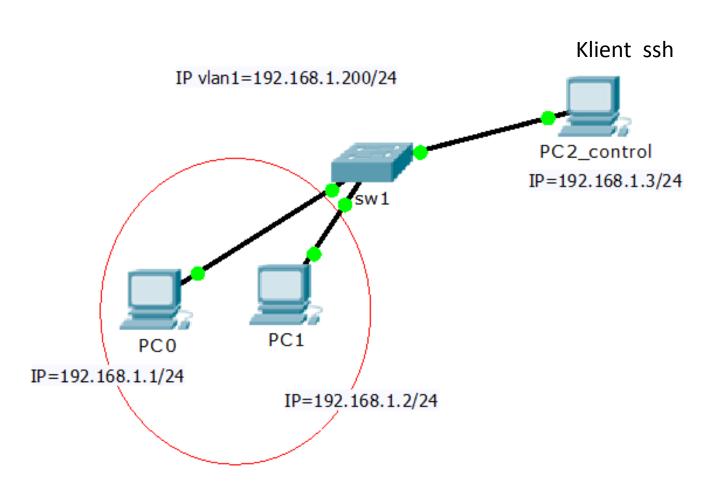
flashfs[0]: Bytes available: 59601463 flashfs[0]: flashfs fsck took 1 seconds.

...done Initializing Flash.

Boot Sector Filesystem (bs:) installed, fsid: 3

Parameter Block Filesystem (pb:) installed, fsid: 4

Nastavení služby Secure Shell (SSH)



Nastavení služby Secure Shell (SSH)

- > Switch> en
- Switch# conf t
- Switch(config)# hostname sw1
- sw0(config)# enable secret cisco
- sw1(config-line)# int vlan1
- > sw1(config-if)# ip address 10.0.0.10 255.255.255.0
- > sw1(config-if)# no sh
- sw1(config)# line vty 0 4
- sw1(config-line)# transport input ssh
- sw1(config-line)# login local
- sw1(config)# username opiol password cisco
- sw1(config)# ip domain name mamut.com
- sw1(config)# crypto key generate rsa

% You already have RSA keys defined named sw1.mamut.com .

% Do you really want to replace them? [yes/no]: yes

The name for the keys will be: sw1.mamut.com

Choose the size of the key modulus in the range of 360 to 2048 for your General Purpose Keys. Choosing a key modulus greater than 512 may take a few minutes.

How many bits in the modulus [512]:

> 1024

% Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

sw1(config)# ip ssh version 2

Propojení PC2_control s přepínačem sw1

```
PC>ssh
Packet Tracer PC SSH

Usage: SSH -1 username target

PC>ssh -1 opiol 192.168.1.200
Open
Password:
```

sw1# sh running-config Listing aktuální konfigurace

Building configuration...

hostname sw1
enable secret 5
\$1\$mERr\$hx5rVt7rPNoS4wqbXKX7m0
ip ssh version 2
ip domain-name mamut.com
username opiol privilege 1 password 0 cisco

interface Vlan1
ip address 192.168.1.200 255.255.255.0
line con 0
line vty 0 4
password cisco
line vty 5 15