

## Практическая работа №16

### 1. Создаем сеть



### 2. Редактируем оба роутера

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname lsw
lsw(config)#int vlan 1
lsw(config-if)#no sh

lsw(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

lsw(config-if)#ip address 192.168.0.2 255.255.255.0
lsw(config-if)#exit
lsw(config)#
```

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname lsw
lsw(config)#int vlan 1
lsw(config-if)#no sh

lsw(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

lsw(config-if)#ip address 192.168.0.2 255.255.255.0
lsw(config-if)#exit
lsw(config)#
```

### 3. Подключаемся через switch 1 к switch 2

## IOS Command Line Interface

Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname lsw

lsw(config)#int vlan 1

lsw(config-if)#no sh

lsw(config-if)#

%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

lsw(config-if)#ip address 192.168.0.2 255.255.255.0

lsw(config-if)#exit

lsw(config)#%IP-4-DUPADDR: Duplicate address 192.168.0.2 on Vlan1, sourced by 0005.5E6C.10BA

lsw(config)#line vty 0 4

lsw(config-line)#pass 111

lsw(config-line)#enable secret 123

lsw(config)#int vlan 1

lsw(config-if)#no sh

lsw(config-if)#ip address 192.168.0.2 255.255.255.0

lsw(config-if)#

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Switch2

Physical

Config

CLI

Attributes

IOS Command Line Interface

Compiled Wed 26 Jun 13 02:43 By mnguyen

Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname lsw

lsw(config)#int vlan 1

lsw(config-if)#no sh

lsw(config-if)#

%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

lsw(config-if)#ip address 192.168.0.2 255.255.255.0

lsw(config-if)#exit

lsw(config)#line vty 0 4

lsw(config-line)#pass 111

lsw(config-line)#enable secret 123

lsw(config)#int vlan 1

lsw(config-if)#no sh

lsw(config-if)#ip address 192.168.0.2 255.255.255.0

% Invalid input detected at '^' marker.

lsw(config-if)#ip address 192.168.0.2 255.255.255.0

lsw(config-if)#

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```
graph LR; PC0[PC-PT PC0] --- S1[2960-24TT Switch1]; S1 --- S2[2960-24TT Switch2];
```

The diagram illustrates a network topology. On the left, a PC icon is labeled "PC-PT PC0". A solid line connects it to a switch icon labeled "2960-24TT Switch1". Another solid line connects "Switch1" to a second switch icon labeled "2960-24TT Switch2". A dashed line also connects "Switch1" and "Switch2", indicating a secondary or backup connection. Green triangles are placed at the connection points between the PC and Switch1, and between Switch1 and Switch2.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>telnet 192.168.0.3
Trying 192.168.0.3 ...
% Connection timed out; remote host not responding
C:\>telnet 192.167.0.2
Trying 192.167.0.2 ...
% Connection timed out; remote host not responding
C:\>telnet 192.168.0.2
Trying 192.168.0.2 ...Open
```

User Access Verification

```
Password:
Password:
Password:
lsw>exit
```

```
[Connection to 192.168.0.2 closed by foreign host]
C:\>telnet 192.0168.0.3
Trying 192.168.0.3 ...
% Connection timed out; remote host not responding
C:\>telnet 192.0168.0.2
Trying 192.168.0.2 ...Open
```

User Access Verification

```
Password:
lsw>
```