

## Отчет по практической работе 17

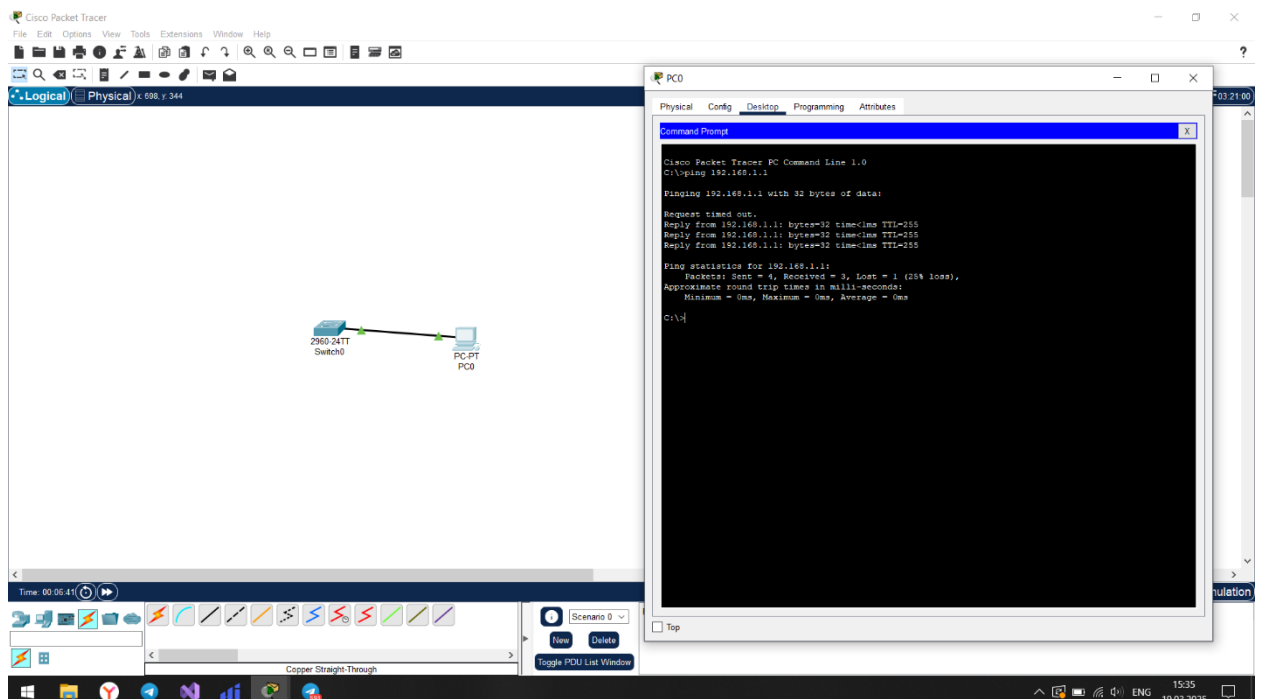
Землянский В. ИС223

Цель работы: настроить telnet с разными уровнями доступа пользователей и защиту паролей.

### 1. Ход выполнения работы

- Создал сеть из одного коммутатора и одного ПК.
- Назначил ip адреса:
  - pc0 – 192.168.1.10, шлюз 192.168.1.1.
  - switch – 192.168.1.1.
    - Проверил доступность коммутатора с ПК с помощью ping.
    - Создал пользователей с разными правами:
  - user (уровень 1, только просмотр).
  - admin (уровень 15, полный доступ).
    - Настроил telnet, разрешил вход только зарегистрированным пользователям.
    - Подключился к коммутатору через telnet 192.168.1.1, используя логины user и admin, глянул права.
    - Попробовал выполнить команду enable под пользователем user – доступ запрещен.
    - Под пользователем admin enable сработал, получен полный доступ.
    - Создал пользователя student с паролем secret, проверил, что он зашифрован в show running-config.

### Скрины:



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical 438 x 276

2960-24TT Switch0

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Top Assembly Revision Number : A0
Version ID : V02
CLEI Code Number : C03160082A
Hardware Board Revision Number : 0A01

Switch Ports Model SW Version SW Image
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* 1 24 WS-C2960-24TT-L 15.0(2)SE4 C2960-LANBASEK9-M

Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fc1)
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Compiled Wed 26-Jun-13 02:14 by mduyen

Press RETURN to get started!

VLINE-S-CHANGED: Interface FastEthernet0/1, changed state to up
VLINEPROTO-S-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface vlan 1
Switch(config-if)#ip address 192.168.1.1 255.255.255.0
Switch(config-if)#no shutdown

Switch(config-if)#exit
Switch(config)#
VLINE-S-CHANGED: Interface Vlan1, changed state to up
VLINEPROTO-S-UPDOWN: Line protocol on Interface Vlan1, changed state to up

Switch(config)#exit
Switch#
WS12-S-CONFIG_I_1: Configured from console by console

Switch#
```

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Logical Physical 438 x 259

2960-24TT Switch0

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
WS12-S-CONFIG_I_1: Configured from console by console

Switch#
Switch#exit

Switch con0 is now available

Press RETURN to get started.

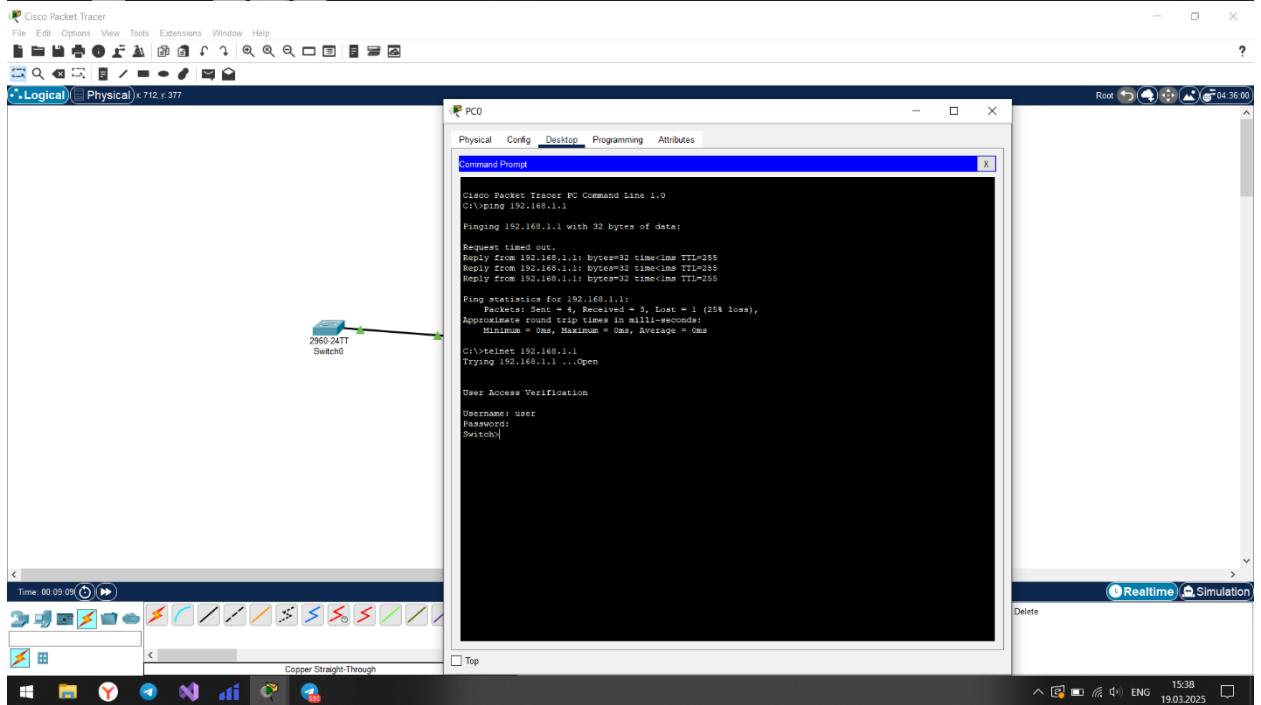
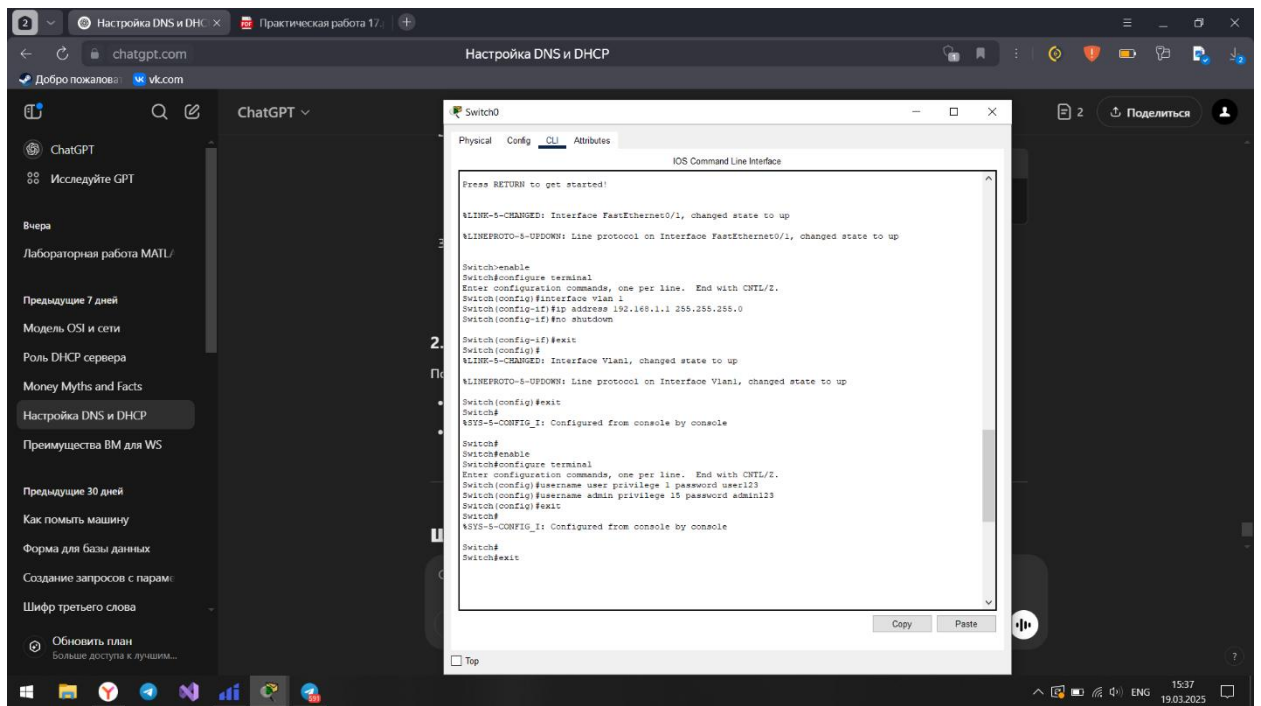
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#line vty 0 4
Switch(config-line)#login local
Switch(config-line)#transport input telnet
Switch(config-line)#exit
Switch(config)#
```

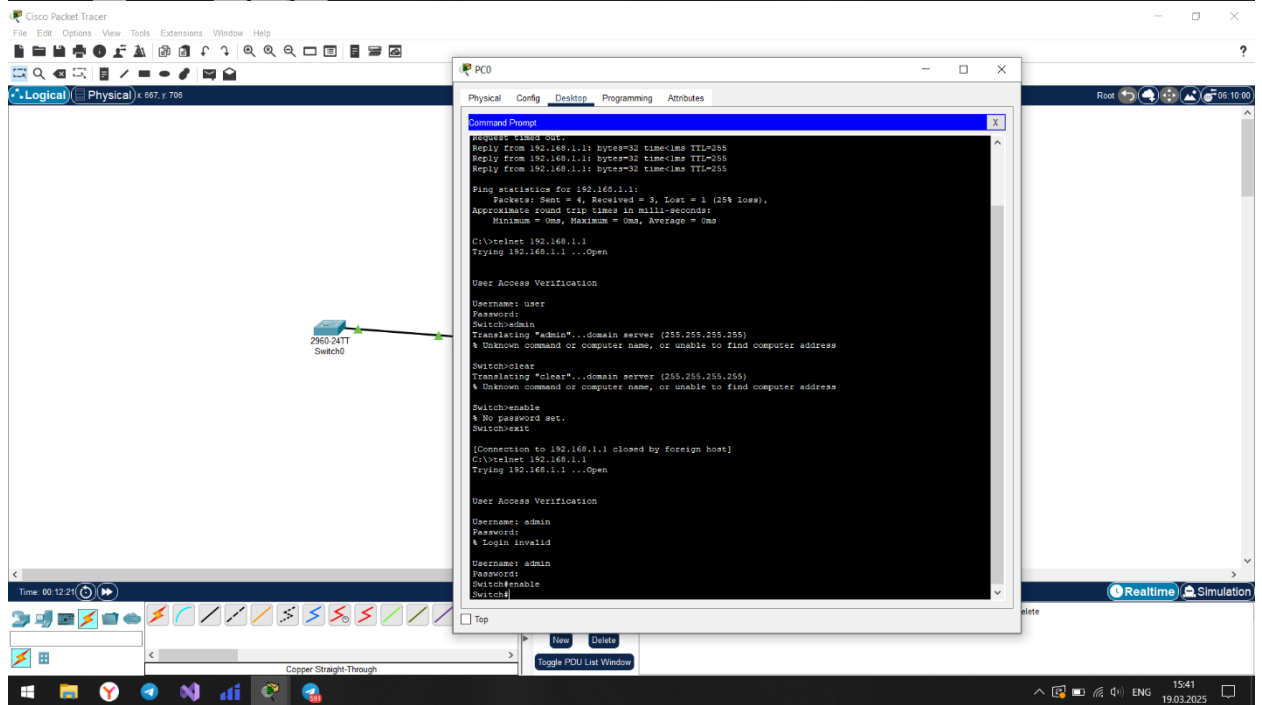
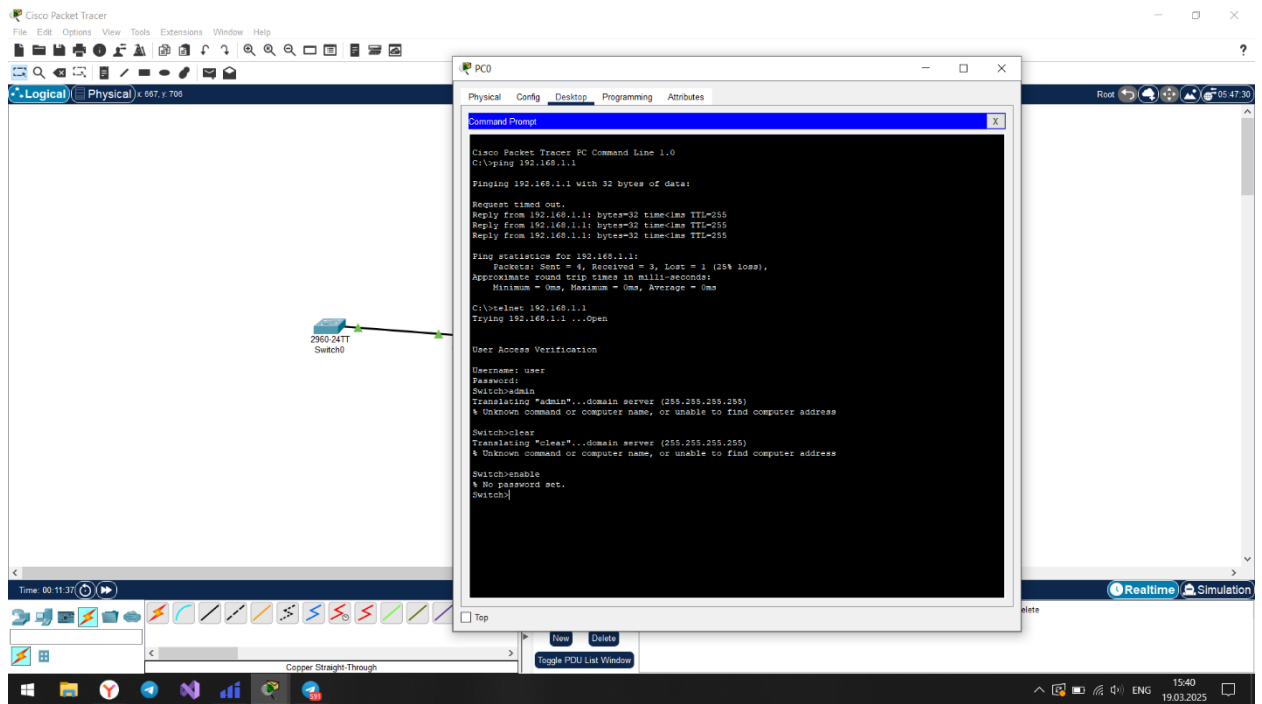
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Logical Physical 498 x 340

2960-24TT Switch0

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#line vty 0 4
Switch(config-line)#login local
Switch(config-line)#transport input telnet
Switch(config-line)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#username student privilege 5 secret studentpass
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show running-config
Building configuration...

Current configuration : 1275 bytes
!
version 15.0
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Switch
!
!
username admin privilege 15 password 0 admin123
username student secret 5 $1$mR1c4f50V1E2hM8lpgAa00
username user privilege 1 password 0 user123
!
!
spanning-tree mode pvst
spanning-tree extend system-id
--More--
```

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Logical Physical 498 x 340

2960-24TT Switch0

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
interface FastEthernet0/16
!
interface FastEthernet0/17
!
interface FastEthernet0/18
!
interface FastEthernet0/19
!
interface FastEthernet0/20
!
interface FastEthernet0/21
!
interface FastEthernet0/22
!
interface FastEthernet0/23
!
interface FastEthernet0/24
!
interface GigabitEthernet0/1
!
interface GigabitEthernet0/2
!
interface Vlan1
ip address 192.168.1.1 255.255.255.0
!
!
line con 0
!
line vty 0 4
login local
transport input telnet
line vty 5 15
login
!
!
end
--More--
```

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