

Файл Правка Выделение Вид Переход Выполнить ... Seminar_06.py - Python_net - Visual Studio Code

PowerShell 7.3.5

```
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> python3.10 .\Server.py
Server if listening...
Connected with ('172.20.10.4', 63231)
Nickname is One
Connected with ('172.20.10.4', 63238)
Nickname is Two
Connected with ('172.20.10.4', 63303)
Nickname is third
```

PowerShell 7.3.5

```
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> python3.10 .\Seminar_06.py
Choose your nickname: third
third joined!
Connected to server!
Hello all people!
third: Hello all people!
Two: hi third!
Two: Hello third!
oops
third: oups
One: ping
Two: no
One: dfsgdsfg
Two: rge
One: new message
Two: no message
One: kjhgkg
Two: lkjnl
```

PowerShell

```
Two joined!
Connected to server!
Hello one
Two: Hello one
Hello two
Two: Hello two
how are you?
Two: how are you?
One: i am fine
One: ok
third joined!
third: Hello all people!
hi third!
Two: hi third!
Hello third!
Two: Hello third!
third: oups
One: ping
no
Two: no
One: dfsgdsfg
rge
Two: rge
One: new message
no message
Two: no message
One: kjhgkg
lkjnl
Two: lkjnl
```

PowerShell

```
One joined!
Connected to server!
Hello
One: Hello
Two joined!
Two: Hello one
Two: Hello two
Two: how are you?
i am fine
One: i am fine
ok
One: ok
third joined!
third: Hello all people!
Two: hi third!
Two: Hello third!
third: oups
ping
One: ping
Two: no
dfsgdsfg
One: dfsgdsfg
Two: rge
new message
One: new message
Two: no message
kjhgkg
One: kjhgkg
Two: lkjnl
```

Python_net>

Строка 1, столбец 14 Пробелов: 4 UTF-8 CRLF Python 3.10.11 64-bit (microsoft store) Go Live

*Adapter for loopback traffic capture

Файл Редактирование Просмотр Запуск Захват Анализ Статистика Телефония

No.	Time	Source	Destination	Destination
11019	82.969960	172.20.10.4	172.20.10.4	
11020	82.970284	172.20.10.4	172.20.10.4	
11021	82.970435	172.20.10.4	172.20.10.4	
11022	82.972708	172.20.10.4	172.20.10.4	
11023	82.973271	172.20.10.4	172.20.10.4	
11024	82.975032	172.20.10.4	172.20.10.4	
11025	82.975373	172.20.10.4	172.20.10.4	
11026	82.976334	172.20.10.4	172.20.10.4	
11027	82.976581	172.20.10.4	172.20.10.4	
11028	82.976709	172.20.10.4	172.20.10.4	

Wireshark · Следовать TCP Поток (tcp.stream eq 4) · Adapter for loopback traffic capture

NICKAnticAntic joined!Connected to server!

```
PowerShell
10, in <module>
    server.bind((host, port)) # привязываем socket к host'у и port'у
OSError: [WinError 10049] Требуемый адрес для своего контекста неверен
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> ping 213.226.172.72
```

```
Pinging 213.226.172.72 with 32 bytes of data:
Request timed out.
Request timed out.
```

```
Статистика Ping для 213.226.172.72:
    Пакетов: отправлено = 2, получено = 0, потеряно = 2
    (100% потерь)
```

Control-C

```
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> ping 62.118.87.177
```

```
Pinging 62.118.87.177 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
```

```
Статистика Ping для 62.118.87.177:
    Пакетов: отправлено = 3, получено = 0, потеряно = 3
    (100% потерь)
```

Control-C

```
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> python3.10 .\Server.py
Server if listening...
Connected with ('172.20.10.4', 50558)
Nickname is Antic
```

PowerShell

```
hell 7.3.5
Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> py
0 ./Seminar_06.py
your nickname: Antic
joined!
ted to server!
```

данные как ASCII

Поток 4

Найти Следующий

*Adapter for loopback traffic capture

Файл Редактирование Просмотр Запуск Захват Анализ Статистика Тел

tcp.stream eq 4

No.	Time	Source	Destination
11023	82.973271	172.20.10.4	172.20.10.4
11024	82.975032	172.20.10.4	172.20.10.4
11025	82.975373	172.20.10.4	172.20.10.4
11026	82.976334	172.20.10.4	172.20.10.4
11027	82.976581	172.20.10.4	172.20.10.4
11028	82.976709	172.20.10.4	172.20.10.4
11029	82.976756	172.20.10.4	172.20.10.4
27453	225.328202	172.20.10.4	172.20.10.4
27454	225.328229	172.20.10.4	172.20.10.4
28385	235.542633	172.20.10.4	172.20.10.4

Wireshark · Следовать TCP Поток (tcp.stream eq 4) · Adapter for loopback traffic capture

```
NICKAnticAntic joined!Connected to server!NewMan joined!NewMan: Hello Antic!Antic: Hi NewMan!Antic: Hi NewMan!NewMan: How are you?Antic: Fine! nice!Antic: Fine! nice!
```

PowerShell

```
OSError: [WinError 10049] Требуемый адрес для своего контекста неверен
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> ping 213.226.172.72

Pinging 213.226.172.72 with 32 bytes of data:
Request timed out.
Request timed out.
```

Статистика Ping для 213.226.172.72:
Пакетов: отправлено = 2, получено = 0, потеряно = 2
(100% потерь)

Control-C

PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net>

```
Pinging 62.118.87.177 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
```

Статистика Ping для 62.118.87.177:
Пакетов: отправлено = 3, получено = 0, потеряно = 3
(100% потерь)

Control-C

PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net>

```
Server if listening...
Connected with ('172.20.10.4', 50558)
Nickname is Antic
Connected with ('172.20.10.4', 50569)
Nickname is NewMan
```

PowerShell

```
PowerShell 7.3.5
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> python3.10 ./Seminar_06.py
Choose your nickname: Antic
Antic joined!
Connected to server!
NewMan joined!
NewMan: Hello Antic!
Hi NewMan!
Antic: Hi NewMan!
NewMan: How are you?
Fine! nice!
Antic: Fine! nice!
```

PowerShell

```
PowerShell 7.3.5
PS D:\Geek Brains 2022\ПОСМОТРЕТЬ\Компьютерные сети\Python_net> python3.10 ./Seminar_06.py
Choose your nickname: NewMan
NewMan joined!
Connected to server!
Hello Antic!
NewMan: Hello Antic!
Antic: Hi NewMan!
How are you?
NewMan: How are you?
Antic: Fine! nice!
```