inger-user-enum

Username guessing tool primarily for use against the default Solaris finger service. Also supports relaying of queries through another finger server.  Recent changes are detailed in the [CHANGELOG](http://pentestmonkey.net/tools/tools/finger-user-enum/CHANGELOG).

Download finger-user-enum v1.0 [here](http://pentestmonkey.net/tools/finger-user-enum/finger-user-enum-1.0.tar.gz).

SHA1sum: 017e214e786df5a25336291acd3b9c8a46b3bd7b

MD51sum: f18832f9d2b5210e5f51bd89f44abeee

User documentation is also available in [PDF](http://pentestmonkey.net/tools/finger-user-enum/finger-user-enum-user-docs.pdf) format.

finger-user-enum User Documentation

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Overview

finger-user-enum is a tool for enumerating OS-level user accounts via the finger service. As of release v1.0 it is known to work against the default Solaris daemon. It may not yet work against all daemons since there is no defined format for the data returned by the finger service.

Installation

finger-user-enum is just a stand alone PERL script, so installation is as simple as copying it to your path (e.g. /usr/local/bin). It has only been tested under Linux so far.

It depends on the following PERL modules which you may need to install first:

* Socket
* IO::Handle
* IO::Select
* IO::Socket::INET
* Getopt::Std

If you have PERL installed, you should be able to install the modules from CPAN:

# perl -MCPAN -e shell

cpan> install Getopt::Std

Usage

finger-user-enum simply needs to be passed a list of users and at least one target running an finger service.

finger-user-enum v1.0 ( http://pentestmonkey.net/tools/finger-user-enum )

Usage: finger-user-enum.pl [options] (-u username|-U users.txt) (-t host|-T ips.txt)

options are:

-m n Maximum number of resolver processes (default: 5)

-u user Check if user exists on remote system

-U file File of usernames to check via finger service

-t host Server host running finger service

-T file File of hostnames running the finger service

-r host Relay. Intermediate server which allows relaying of finger requests.

-p port TCP port on which finger service runs (default: 79)

-d Debugging output

-s n Wait a maximum of n seconds for reply (default: 5)

-v Verbose

-h This help message

Some Examples

For the examples below we need a list of potential usernames. The following output demostrates the format for this list:

$ head users.txt

root

bin

daemon

adm

lp

sync

shutdown

halt

mail

news

Normal Usage

The output below shows how the finger daemon responds differently to valid and invalid usernames:

$ telnet 10.0.0.1 79

Trying 10.0.0.1...

Connected to 10.0.0.1.

Escape character is '^]'.

root

Login Name TTY Idle When Where

root Super-User console 2:05 Wed 07:23

Connection closed by foreign host.

$ telnet 10.0.0.1 79

Trying 10.0.0.1...

Connected to 10.0.0.1.

Escape character is '^]'.

blah

Login Name TTY Idle When Where

blah ???

Connection closed by foreign host.

finger-user-enum attempts to automatically parse the results returned by the finger daemon and report only users which exist.

Note: If you ever need to modify the pattern-matching within finger-user-enum (e.g. to support a different finger daemon), you’ll need to base the patterns on positive and negative result like those found above.

Here’s an example of the most common usage of the tool:

$ ./finger-user-enum.pl -U users.txt -t 10.0.0.1

Starting finger-user-enum v1.0 ( http://pentestmonkey.net/tools/finger-user-enum )

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| Scan Information |

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Worker Processes ......... 5

Usernames file ........... users.txt

Target count ............. 1

Username count ........... 47

Target TCP port .......... 79

Query timeout ............ 5 secs

Relay Server ............. Not used

######## Scan started at Sun Jan 21 19:44:22 2007 #########

root@10.0.0.1: root Super-User console 2:03 Wed 07:23 ..

bin@10.0.0.1: bin ??? pts/1 <Dec 21 13:04> 10.0.0.99

daemon@10.0.0.1: daemon ??? < . . . . >..

adm@10.0.0.1: adm Admin < . . . . >..

lp@10.0.0.1: lp Line Printer Admin < . . . . >..

uucp@10.0.0.1: uucp Admin < . . . . >..

nobody@10.0.0.1: nobody4 SunOS 4.x Nobody < . . . . >..

ftp@10.0.0.1: ftp Anonymous FTPUser 674 <Aug 11 14:22> 10.0.0.99

######## Scan completed at Sun Jan 21 19:44:23 2007 #########

8 results.

47 queries in 1 seconds (47.0 queries / sec)

Relaying Queries

It is also possible to use some finger daemons as a relay (i.e. to ask the finger daemon to finger a user on another host). The following output shows how you’d get the finger daemon on 10.0.0.1 to finger users on 10.0.0.2:

$ telnet 10.0.0.1 79

Trying 10.0.0.1...

Connected to 10.0.0.1.

Escape character is '^]'.

root@10.0.0.2

[10.0.0.2]

Login Name TTY Idle When Where

root Super-User console 2:12 Wed 07:23

Connection closed by foreign host.

Note that your host won’t send any traffic directly to 10.0.0.2 during this request. Queries to 10.0.0.2 originate from 10.0.0.1.

If you need to relay your queries (and the daemon allows relaying) here is the syntax for finger-user-enum:

$ ./finger-user-enum.pl -U users.txt -t 10.0.0.2 -r 10.0.0.1

Starting finger-user-enum v1.0 ( http://pentestmonkey.net/tools/finger-user-enum )

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| Scan Information |

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Worker Processes ......... 5

Usernames file ........... users.txt

Target count ............. 1

Username count ........... 47

Target TCP port .......... 79

Query timeout ............ 5 secs

Relay Server ............. 10.0.0.1

######## Scan started at Sun Jan 21 19:44:29 2007 #########

root@10.0.0.2: root Super-User console 2:03 Wed 07:23 ..

bin@10.0.0.2: bin ??? pts/1 <Dec 21 13:04> 10.0.0.99

lp@10.0.0.2: lp Line Printer Admin < . . . . >..

daemon@10.0.0.2: daemon ??? < . . . . >..

adm@10.0.0.2: adm Admin < . . . . >..

uucp@10.0.0.2: uucp Admin < . . . . >..

nobody@10.0.0.2: nobody4 SunOS 4.x Nobody < . . . . >..

ftp@10.0.0.2: ftp Anonymous FTPUser 674 <Aug 11 14:22> 10.0.0.99

######## Scan completed at Sun Jan 21 19:44:31 2007 #########

8 results.

47 queries in 2 seconds (23.5 queries / sec)

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