NAME

sc_erosprober — scamper driver to periodically probe addresses and rotate output files.

SYNOPSIS

sc_erosprober [**-a** *addrfile*] [**-c** *command*] [**-I** *interval*] [**-l** *logfile*] [**-o** *outfile*] [**-O** *option*] [**-p** *port*] [**-R** *rotation*] [**-U** *unix*]

DESCRIPTION

The **sc_erosprober** utility provides the ability to connect to a running scamper(1) instance and use it to periodically probe a set of addresses at a defined interval, and periodically rotate the output file at a defined interval. The supported options to **sc_erosprober** are as follows:

-a *addrfile*
: specifies the name of the input file which consists of a sequence of IP addresses to probe, one address per line.

-c *command*
: specifies the command to use with each address. **sc_erosprober** supports the trace and ping commands, and their options, in scamper. scamper(1) documents the options available in trace and ping.

-I *interval*
: specifies the probe interval, in seconds, between probing each address. **sc_erosprober** will spread the probing of the addresses across the interval. If there are 10 addresses to probe at an interval of 20 seconds, then **sc_erosprober** will issue a command every two seconds.

-l *logfile*
: specifies the name of a file to log progress output from **sc_erosprober** generated at run time.

-o *outfile*
: specifies the prefix of the name of the output file to be written. The output file will use the warts(5) format. **sc_erosprober** will create a sequence of files named using the prefix and a timestamp.

-O *options*
: allows the behavior of **sc_erosprober** to be further tailored. The current choices for this option are:
  - **noshuffle:** do not shuffle the order of addresses before probing starts.
  - **nooutfile:** do not write to warts files, just do the probing.

-p *port*
: specifies the port on the local host where scamper(1) is accepting control socket connections.

-R *rotation*
: specifies the rotation interval, in seconds, between rotating output files.

-U *unix*
: specifies the name of a unix domain socket where scamper(1) is accepting control socket connections.

EXAMPLES

Given a set of IPv4 and IPv6 addresses contained in a file named addrs and a scamper process listening at sock configured to probe at 100 packets per second started as follows:

```
scamper -U sock -p 100
```

the following command will ping the addresses every two minutes using one packet, and create an output file every thirty seconds prefixed with foo:

```
sc_erosprober -U sock -a addrs -o foo -I 120 -R 30 -c 'ping -c 1'
```

The following command will traceroute towards the addresses every 15 minutes, creating an output file every minute:

```
sc_erosprober -U sock -a addrs -o foo -I 900 -R 60 -c 'trace'
```

SEE ALSO

scamper(1), sc_wartsdump(1), sc_warts2text(1), sc_warts2json(1), warts(5)

AUTHORS

sc_erosprober was written by Matthew Luckie.