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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'arping.8'***

#### ***\$ man arping.8***

ARPING(8) iputils ARPING(8)

#### NAME

arping - send ARP REQUEST to a neighbour host

#### SYNOPSIS

```
arping [-AbDfhqUV] [-c count] [-w deadline] [-i interval] [-s source]
      [-l interface] {destination}
```

#### DESCRIPTION

Ping destination on device interface by ARP packets, using source address source.

#### OPTIONS

-A

The same as -U, but ARP REPLY packets used instead of ARP REQUEST.

-b

Send only MAC level broadcasts. Normally arping starts from sending broadcast, and switch to unicast after reply received.

-c count

Stop after sending count ARP REQUEST packets. With deadline option, instead wait for count ARP REPLY packets, or until the timeout

expires.

-D

Duplicate address detection mode (DAD). See RFC2131, 4.4.1. Returns 0, if DAD succeeded i.e. no replies are received.

-f

Finish after the first reply confirming that target is alive.

-I interface

Name of network device where to send ARP REQUEST packets.

-h

Print help page and exit.

-q

Quiet output. Nothing is displayed.

-s source

IP source address to use in ARP packets. If this option is absent, source address is:

? In DAD mode (with option -D) set to 0.0.0.0.

? In Unsolicited ARP mode (with options -U or -A) set to destination.

? Otherwise, it is calculated from routing tables.

-U

Unsolicited ARP mode to update neighbours' ARP caches. No replies are expected.

-V

Print version of the program and exit.

-w deadline

Specify a timeout, in seconds, before arping exits regardless of how many packets have been sent or received. In this case arping does not stop after count packet are sent, it waits either for deadline expire or until count probes are answered.

-i interval

Specify an interval, in seconds, between packets.

SEE ALSO

ping(8), clockdiff(8), tracepath(8).

## AUTHOR

arping was written by Alexey Kuznetsov <kuznet@ms2.inr.ac.ru>.

## SECURITY

arping requires CAP\_NET\_RAW capability to be executed. It is not recommended to be used as set-uid root, because it allows user to modify ARP caches of neighbour hosts.

## AVAILABILITY

arping is part of iputils package.

iputils 20210202

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