

NAME

dhcpmemu-load – Load emulator database from text file

SYNOPSIS

dhcpmemu-load [--outfile=*filename*] [*inputfile*]

DESCRIPTION

dhcpmemu-load creates a database suitable for loading by **dhcpmemu** the multi-threaded DHCP client emulator.

OPTIONS

--outfile=*filename* The name of the data file to be created by **dhcpmemu-load**. If none is specified **dhcpmemu-load** merely checks the syntax of the input text data without producing any load file.

inputfile Input text file whose format is described below (default: *stdin*).

FILE FORMAT

In what follows the phrase "standard representation" of an opaque object is used. By this is meant a list of octets, each octet delimited by a colon, ':', and one or two hex digits for the value of each octet.

Client Identifier Either a string to be interpreted literally, or a hex representation. If the former it should be surrounded by double quotes. Otherwise **dhcpmemu-load** will assume the standard representation of an opaque object.

Type Either **cm** for a cable modem, or **cpe** otherwise.

IP address If unknown set this to be 0.0.0.0

giaddr The giaddr to use. If this is a dash, "-", it will be set to *IP address*. If the value is then zero it implies to the emulator, unless command line flags in **dhcpmemu** override the behavior, that the source port of the packet will be that of a DHCP client (68), and client will appear to the server to be on same network as the server interface receiving the packet.

DHCP start state One of: **dhcp_init**, **dhcp_init_reboot**, **dhcp_renewing**, **dhcp_rebinding**, **dhcp_releasing**, **dhcp_informing**. See [rfc2031](#) for more information.

MAC address 6 octets in the standard representation.

circuit id This is the value of DHCP option 82, sub-option 1. It may or may not be relevant to the behavior of DHCP server depending on its implementation and configuration. If this entity was randomly generated using **dhcpmemu-gen** it is improbable that its value will be meaningful.

CM MAC address The MAC address of the cable modem associated with this client. If the *type* is "cpe" and this field is a dash, "-", or this and the next field are absent, then the client is assumed not to be behind a cable modem, or option 82 is disabled, or the technology is COM21.

Hostname The hostname of the client CPE. This is unnecessary unless the DHCP server constructs the client identifier from the hostname. It is never relevant for cable modems.

NOTES

An example file that might be used as input to **dhcpmemu** is included with the package **example-datafile**.

SEE ALSO

dhcpcmu.1, dhcpcmu-gen.1, RFC2031, RFC2032.