Rocky Enterprise Linux 9.2 Manual Pages on command 'netconfig.5'

$ man netconfig.5

NETCONFIG(5)   BSD File Formats Manual   NETCONFIG(5)

NAME

   netconfig ? network configuration data base

SYNOPSIS

   /etc/netconfig

DESCRIPTION

   The netconfig file defines a list of ?transport names?, describing their semantics and pro?

   tocol. In FreeBSD, this file is only used by the RPC library code.

   Entries have the following format:

   network_id semantics flags family protoname device libraries

   Entries consist of the following fields:

   network_id The name of the transport described.

   semantics   Describes the semantics of the transport. This can be one of:

            tpi_clts   Connectionless transport.

            tpi_cots   Connection-oriented transport

            tpi_cots_ord Connection-oriented, ordered transport.

            tpi_raw   A raw connection.

   flags   This field is either blank (specified by ?-?), or contains a ?v?, meaning visi?

         ble to the getnetconfig(3) function.

   family   The protocol family of the transport. This is currently one of:

            inet6   The IPv6 (PF_INET6) family of protocols.

            inet   The IPv4 (PF_INET) family of protocols.

            loopback The PF_LOCAL protocol family.

protoname   The name of the protocol used for this transport. Can currently be either udp,
      tcp or empty.

device   This field is always empty in FreeBSD.

libraries   This field is always empty in FreeBSD.

The order of entries in this file will determine which transport will be preferred by the

RPC library code, given a match on a specified network type. For example, if a sample net?

work config file would look like this:

```
udp6      tpi_clts      v    inet6   udp     -    -

tcp6      tpi_cots_ord  v    inet6   tcp     -    -

udp       tpi_clts      v    inet    udp     -    -

tcp       tpi_cots_ord  v    inet    tcp     -    -

rawip     tpi_raw       -    inet    -    -    -

local     tpi_cots_ord  -    loopback -   -    -
```

then using the network type udp in calls to the RPC library function (see rpc(3)) will make

the code first try udp6, and then udp.

getnetconfig(3) and associated functions will parse this file and return structures of the

following format:

```
struct netconfig {
    char *nc_netid;           /* Network ID */
    unsigned long nc_semantics;  /* Semantics (see below) */
    unsigned long nc_flag;       /* Flags (see below) */
    char *nc_protofmly;          /* Protocol family */
    char *nc_proto;              /* Protocol name */
    char *nc_device;             /* Network device pathname (unused) */
    unsigned long nc_nlookups;   /* Number of lookup libs (unused) */
    char **nc_lookups;           /* Names of the libraries (unused) */
    unsigned long nc_unused[9];  /* reserved */
};
```

FILES

  /etc/netconfig

SEE ALSO

  getnetconfig(3), getnetpath(3)