NAME

    netconfig - network configuration data base

SYNOPSIS

    /etc/netconfig

DESCRIPTION

    The **netconfig** file defines a list of "transport names", describing their semantics and protocol. 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 one or more of the following characters:

                b The network represented by this entry is broadcast capable. This flag is meaningless in FreeBSD.

                v The entry may be returned by the getnetpath(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 network 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 */
    unsigned long nc_flag;      /* Flags */
    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)