NAME

mkhpath − produce path data from an /etc/hosts file

SYNOPSIS

/usr/lib/smail/mkhpath [**−n** *netname*] [**−c** *cost*] [**−g** *gateway*] [**−d**] [**−** | *filename*]

DESCRIPTION

Mkhpath takes as input a *hosts* file, in the format of the 4.3BSD file */etc/hosts*, and creates path data suitable for use by a *smail*(8) **pathalias** router (see *smail*(5) for information on routers). The output is also suitable for merging in with the output of *pathalias*(8), and can be made suitable as input to *pathalias*.

The hostnames *localhost* and *loghost* are ignored, as are any domain names (names containing dot characters).

This command is useful for sending information about a network's connectivity to hosts that are not on that network. As a general rule, the smail **gethostbyname** router driver precludes the need for this tool.

OPTIONS

The following options are recognized by *mkhpath*:

−n *netname*
: Generate output which is suitable as input to *pathalias*(8) as a description of an interconnected network named *netname* connecting together all hosts named in the *hosts* file.

−c *cost*
: Set the cost for the network gateway to *cost*. This may be any valid *pathalias* cost expression and is only useful with the **−n** option.

−g *gateway*
: Set the gateway for all of the hosts in the *hosts* file to *gateway.* This can be used either with or without the **−n** option. If neither **−g** nor **−n** are used, then the local host is assumed to connect to all of the hosts directly.

−d
: Only use lines that contain a domain name (i.e., a name containing one or more dots) as one of the names for a host. Such domain names are not used themselves, but lines that do not contain any domain names are ignored.

If a *filename* argument is used, then the host information is read from this file. If an argument of **−** is specified instead, then the standard input is used. Otherwise the file */etc/hosts* is used to obtain host information.

SEE ALSO

pathalias(8), *smail*(5), *smail*(8), *mkpath*(8), and *pathmerge*(8).

COPYRIGHT