NAME

remote – remote host description file

SYNOPSIS

/etc/remote

DESCRIPTION

The systems known by **tip**(1) and their attributes are stored in an ASCII file which is structured somewhat like the **termcap** file. Each line in the file provides a description for a single *system*. Fields are separated by a colon '**:**'. Lines ending in a '\' character with an immediately following NEWLINE are continued on the next line.

The first entry is the name(s) of the host system. If there is more than one name for a system, the names are separated by vertical bars. After the name of the system comes the fields of the description. A field name followed by an '**=**' sign indicates a string value follows. A field name followed by a '**#**' sign indicates a following numeric value.

Entries named **tip***baudrate* are used as default entries by **tip**, as follows. When **tip** is invoked with only a phone number, it looks for an entry of the form **tip***baudrate***,** where *baudrate* is the baud rate with which the connection is to be made. For example, if the connection is to be made at **300** baud, **tip** looks for an entry of the form **tip300**.

CAPABILITIES

Capabilities are either strings **(str)**, numbers **(num)**, or boolean flags **(bool)**. A string capability is specified by *capability=value*; for example, '**dv=/dev/harris**'. A numeric capability is specified by *capability#value*; for example, '**xa#99**'. A boolean capability is specified by simply listing the capability.

at **(str)** Auto call unit type. The following lists valid '**at**' types and their corresponding hardware:

biz31f	Bizcomp 1031, tone dialing
biz31w	Bizcomp 1031, pulse dialing
biz22f	Bizcomp 1022, tone dialing
biz22w	Bizcomp 1022, pulse dialing
df02	DEC DF02
df03	DEC DF03
ventel	Ventel 212+
v3451	Vadic 3451 Modem
v831	Vadic 831
hayes	Any Hayes-compatible modem
at	Any Hayes-compatible modem

br **(num)** The baud rate used in establishing a connection to the remote host. This is a decimal number. The default baud rate is **300** baud.

cm **(str)** An initial connection message to be sent to the remote host. For example, if a host is reached through a port selector, this might be set to the appropriate sequence required to switch to the host.

cu **(str)** Call unit if making a phone call. Default is the same as the **dv** field.

db **(bool)** Cause **tip**(1) to ignore the first hangup it sees. **db** (dialback) allows the user to remain in **tip** while the remote machine disconnects and places a call back to the local machine. For more information about dialback configuration, see

TCP/IP and Data Communications Guide.

di **(str)** Disconnect message sent to the host when a disconnect is requested by the user.

du **(bool)** This host is on a dial-up line.

dv **(str)** Device(s) to open to establish a connection. If this file refers to a terminal line, **tip** attempts to perform an exclusive open on the device to insure only one user at a time has access to the port.

ec **(bool)** Initialize the **tip** variable **echocheck** to *on*, so that **tip** will synchronize with the remote host during file transfer by waiting for the echo of the last character transmitted.

el **(str)** Characters marking an end-of-line. The default is no characters. **tip** only recognizes '~' escapes after one of the characters in **el**, or after a RETURN.

es **(str)** The command prefix (escape) character for **tip**.

et **(num)** Number of seconds to wait for an echo response when echo-check mode is on. This is a decimal number. The default value is **10** seconds.

ex **(str)** Set of non-printable characters not to be discarded when scripting with beautification turned on. The default value is "**\t\n\b\f**".

fo **(str)** Character used to force literal data transmission. The default value is '**\377**'.

fs **(num)** Frame size for transfers. The default frame size is equal to **1024**.

hd **(bool)** Initialize the **tip** variable **halfduplex** to *on*, so local echo should be performed.

hf **(bool)** Initialize the **tip** variable **hardwareflow** to *on*, so hardware flow control is used.

ie **(str)** Input end-of-file marks. The default is a null string ("").

nb **(bool)** Initialize the **tip** variable **beautify** to *off*, so that unprintable characters will not be discarded when scripting.

nt **(bool)** Initialize the **tip** variable **tandem** to *off*, so that XON/XOFF flow control will not be used to throttle data from the remote host.

nv **(bool)** Initialize the **tip** variable **verbose** to *off*, so that verbose mode will be turned on.

oe **(str)** Output end-of-file string. The default is a null string (""). When **tip** is transferring a file, this string is sent at end-of-file.

pa **(str)** The type of parity to use when sending data to the host. This may be one of **even**, **odd**, **none**, **zero** (always set bit **8** to **0**), **one** (always set bit **8** to **1**). The default is **none**.

pn **(str)** Telephone number(s) for this host. If the telephone number field contains an '@' sign, **tip** searches the **/etc/phones** file for a list of telephone numbers — see **phones**(4). A '%' sign in the telephone number indicates a 5-second delay for the Ventel Modem.

For Hayes-compatible modems, if the telephone number starts with an 'S', the telephone number string will be sent to the modem without the "**DT**", which allows reconfiguration of the modem's S-registers and other parameters; for example, to disable auto-answer: "**pn=S0=0DT5551234**"; or to also restrict the modem to return only the basic result codes: "**pn=S0=0X0DT5551234**".

pr **(str)** Character that indicates end-of-line on the remote host. The default value is '\n'.

ra **(bool)** Initialize the **tip** variable **raise** to *on*, so that lower case letters are mapped to upper case before sending them to the remote host.

rc **(str)** Character that toggles case-mapping mode. The default value is '**\377**'.

re **(str)** The file in which to record session scripts. The default value is **tip.record**.

rw **(bool)** Initialize the **tip** variable **rawftp** to *on*, so that all characters will be sent as is during file transfers.

sc **(bool)** Initialize the **tip** variable **script** to *on*, so that everything transmitted by the remote host will be recorded.

tb **(bool)** Initialize the **tip** variable **tabexpand** to *on*, so that tabs will be expanded to spaces during file transfers.

tc **(str)** Indicates that the list of capabilities is continued in the named description. This is used primarily to share common capability information.

EXAMPLES

Here is a short example showing the use of the capability continuation feature:

```
UNIX-1200:\
        :dv=/dev/cua0:el=^D^U^C^S^Q^O@:du:at=ventel:ie=#$%:oe=^D:br#1200:
arpavax|ax:\
        :pn=7654321%:tc=UNIX-1200
```

FILES

/etc/remote remote host description file.
/etc/phones remote host phone number database.

SEE ALSO

tip(1), **phones**(4)

TCP/IP and Data Communications Guide