NAME

info − remote device capability database

DESCRIPTION

The **info** subdirectory in the *HylaFAX* spooling area holds information about the capabilities and status of devices that have been called. One file exists for each device, with the filename created from the remote device's fully-qualified phone number. Files have a simple ASCII format. Each line is of the form

[**&**]**tag**: *value*

where a *tag* identifies a capability and a *value* is either a string, number, or boolean value. An optional ''&'' at the front of the line indicates that the tag's value is *locked down* and should not be updated by the server. This facility is useful for restricting the capabilities used with a particular machine.

The following items are recorded:

Tag	Type	Description
calledBefore	boolean	device has previously answered at this number
dialFailures	number	count of consecutive failed dial operations
hasV34Trouble	boolean	there is difficulty sending to this destination with V.34
hasV17Trouble	boolean	there is difficulty sending to this destination with V.17
lastDialFailure	string	reason for last failed dial operation
lastSendFailure	string	reason for last failed send attempt
maxPageWidth	number	maximum page width in pixels in normal resolution
maxPageLength	number	maximum page length in millimeters
maxSignallingRate	string	maximum signalling rate (bits/sec) to use
minScanlineTime	string	minimum scanline time
pagerMaxMsgLength	number	length of longest allowed text message
pagerPassword	string	password string send to service provider
pagerSetupCmds	string	commands for setting up modem for a specific service provider
pagerTTYParity	string	parity & # bits configuration for IXO/TAP communication
pageSource	string	parameter to tell the paging central who we are
pagingProtocol	string	protocol (IXO or UCP) for this provider
remoteCSI	string	remote device Called Subscriber Identification
remoteNSF	string	remote equipment Non-Standard Facilities information
remoteDIS	string	remote Digital Identification Signal: capabilities
sendFailures	number	count of consecutive failed send attempts
supportsBatching	boolean	accepts batching protocol
supportsHighRes	boolean	accepts 196 line/inch images (obsolete)
supportsVRes	number	vertical resolution support bitmask
supports2DEncoding	boolean	accepts Group 3 2D encoding
supportsMMR	boolean	accepts Group 4 encoding
supportsPostScript	boolean	accepts Adobe POSTSCRIPT transfer protocol

The *HylaFAX* scheduler, *faxq*(8C), uses the information stored in this directory when deciding if a call should be placed and when preparing documents for transmission. If a remote device's capabilities are known, then document preparation is constrained and/or optimized according to the capabilities. Otherwise, documents are prepared without regard for the remote device's capabilities and if a capability mismatch is encountered the session is terminated and the documents are reformatted using the newly discovered capabilities.

The *calledBefore* item is used by *faxsend* to decide whether or not to redial a phone number when encountering certain errors. For example, if a dialing command results in a ''NO CARRIER'' result, then the number will not be retried unless the number has previously been dialed successfully.

The *minScanlineTime* item indicates the minimum scanline time parameter used for facsimile transmissions. Acceptable values are: ''0ms'', ''5ms'', ''10ms/5ms'', ''10ms'', ''20ms/10ms'', ''20ms'', ''40ms/20ms'', and ''40ms''. (Values of the form *X/Y* mean to use *X* for 98 lpi images and *Y* for 196 lpi images.)

The *pagerTTYParity* item specifies the communication parameters to use when communicating with the IXO/TAP service provider. Acceptable values are: ‘‘even’’ (7 bits, even parity), ‘‘odd’’ (7 bits, odd parity), and ‘‘none’’ (8 bits, no parity). If nothing is specified then ‘‘even’’ is used per the standard.

The *pagerMaxMsgLength*, *pagerPassword*, and *pagerTTYParity* items can be setup according to the requirements of a pager service provider; they typically are locked down so that their values are not lost during updates.

The *pagerSetupCmds* can be used to define AT commands for setting up the modem for a specific service provider. This value overwrites the settings defined in *hylafax-config*(5F).

The *pageSource* parameter can be used to tell the paging central who we are. It usually contains a SMS answerable mobile number. It is only used for the UCP part of *sendpage*(8C). **Note:** This parameter should be used from user-land *sendpage*(1) and will be removed later.

The *pagingProtocol* defines which protocol, UCP or IXO, should be used to send the message to the service provider. It defaults to ‘‘ixo’’; for UCP set ‘‘ucp’’.

NOTES

faxsend, *pagesend*, and *faxq* automatically create and update entries in the **info** directory, as required.

The data in this directory is simply a *cache* of remote capabilities and, except for locked down items, can be safely purged at any time. The *faxcron*(8C) script, for example, periodically purges unlocked entries in this directory that have not been accessed in 30 days.

When the first batching attempt fails then *supportsBatching* is set to false. It must be manually altered in order to re-enable batching to the destination.

Restricting the capabilities used with a particular machine to a value other than those that are mandatory can cause documents to be sent outside of an acceptable range for the receiver.

SEE ALSO

faxcron(8C), *faxq*(8C), *faxsend*(8C), *pagesend*(8C), *hylafax-config*(5F)