

NAME

sendq/q* – *HylaFAX* outbound job description

DESCRIPTION

Files in the **sendq** directory specify transmission job requests. These files are created by *hfaxd*(8C), when submitting a job on behalf of *sendfax*(1) or *sendpage*(1). Job description files also reside in the **doneq** directory; they are moved there by *faxq*(8C) when a job completes.

Job description files are ASCII files with lines of the form

tag: *value*

where a *tag* is one of the identifiers described below and a *value* is either a string or number. Values start at the first non-blank character after the “:” and continue to the end of the line. Lines that end with a backslash character “\” are continued to the next line. Numeric values are decimal integers, except for **chophreshold** which is expressed as a floating point value.

The following table lists the possible tags and the required type of the associated value.

| Tag | Type | Description |
|---------------|-------------|---|
| chopthreshold | float | page chopping threshold (inches) |
| commid | string | communication identifier for last call |
| company | string | receiver’s company |
| client | string | host that submitted the job |
| cover | string | continuation coverpage file |
| data | string | unprocessed document of indeterminate type |
| !data | string | processed document of indeterminate type |
| dataformat | string | data format used to transmit a facsimile |
| desiredbr | integer | desired maximum transmit speed |
| desireddf | integer | desired page data format |
| desiredec | integer | desired use of Error Correction Mode (ECM) |
| desiredst | integer | desired minimum scanline time |
| desiredtl | integer | whether or not to use tagline parameter |
| doneop | string | operation to perform when job is reaped |
| errorcode | string | job status error code |
| external | string | external form of dialstring |
| fax | string | document ready for transmission |
| faxnumber | string | faxnumber to use sending |
| groupid | integer | <i>HylaFAX</i> job group identifier |
| jobid | integer | <i>HylaFAX</i> job identifier |
| jobtag | string | user-specified job identifier |
| jobtype | string | job type identification string |
| killtime | integer | time to give up trying to send job |
| location | string | receiver’s location |
| mailaddr | string | email address of sender |
| maxdials | integer | max number of times to dial |
| maxtries | integer | max number of attempts to send job |
| minbr | integer | minimum required transmit speed |
| modem | string | outgoing modem to use |
| ndials | integer | number of consecutive failed attempts to place call |
| notify | string | email notification specification |
| npages | integer | number of pages transmitted |
| ntries | integer | number of attempts to send current page |
| number | string | dialstring to use in placing call |
| owner | string | user that owns the job |
| page | string | PIN in a page operation |
| pagechop | string | whitespace truncation handling |
| pagehandling | string | page analysis information |

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| pagelength | integer | facsimile page length (millimeters) |
| pagewidth | integer | facsimile page width (millimeters) |
| passwd | string | info to send in HDLC PWD frame |
| pcl | string | unprocessed PCL document |
| !pcl | string | processed PCL document |
| poll | string | polling request |
| postscript | string | unprocessed POSTSCRIPT document |
| !postscript | string | processed POSTSCRIPT document |
| priority | integer | user-specified scheduling priority |
| receiver | string | receiver's identity |
| resolution | integer | vertical resolution of facsimile |
| retrytime | integer | time to use between job retries |
| returned | integer | indicates return status value for the job |
| schedpri | integer | current scheduling priority |
| sender | string | identity of sender |
| signalrate | string | signalling rate at which a facsimile was sent |
| state | integer | job scheduling state |
| status | string | job status |
| subaddr | string | info to send in HDLC SUB frame |
| tagline | string | tagline format string |
| tiff | string | unprocessed TIFF/F document |
| !tiff | string | processed TIFF/F document |
| totdials | integer | total number of phone calls |
| totpages | integer | total pages to transmit |
| tottries | integer | total number of attempts to send job |
| tsi | string | TSI to transmit when sending |
| tts | integer | time to send job |
| useccover | integer | whether or not to use a continuation cover page |
| usexvres | integer | whether or not to use highest vertical resolution |

PARAMETERS

Note that all files must be owned by the fax user. Pathnames for document files must be relative to the top of the *HylaFAX* spooling directory and not include “..”.

- chopthreshold** The minimum trailing whitespace (in inches) that must appear on a page for it to be considered for “page chopping”. If this parameter is not specified then the value specified by the **PageChopThreshold** configuration parameter is used; see *hylafax-config*(5F).
- commid** The communication identifier for the last outbound call placed for this job. This string is of the form “XXXXXXXX” where XXXXXXXX is a decimal sequence number in the range 1-99999999.
- client** The fully qualified hostname for the machine from which the job was submitted. If the hostname is unknown at the time the job is submitted, then the host address in Internet standard “.” (dot) notation is supplied instead.
- company** The receiver's company name as specified with the **-x** option to *sendfax*(1). This value is used only when creating continuation cover pages.
- cover** The pathname of a *continuation cover page* to send. The file must be TIFF/F (i.e. it must already be prepared for transmission). This document will be transmitted before any other documents listed in the file. See **ContCoverPage** and **ContCoverCmd** in *hylafax-config*(5F).
- data** The pathname of a document to send. Once a document has been processed, it is marked as **!data** so that subsequent retries do not reprocess the document.
- dataformat** The format used to transmit facsimile data. This item is recorded by *faxsend*(8C) so that *notify*(8C) can return it in a notification message.

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| desiredbr | The desired signalling rate to use for page data transmissions: 0 for 2400 bps, 1 for 4800 bps, 2 for 7200 bps, 3 for 9600 bps, 4 for 12000 bps, 5 for 14400 bps, 6 for 16800 bps, 7 for 19200 bps, 8 for 21600 bps, 9 for 24000 bps, 10 for 26400 bps, 11 for 28800 bps, 12 for 31200 bps, and 13 for 33600 bps (default). |
| desireddf | The desired data format to use for page data transmissions: 0 for 1-D MH, 1 for 2-D MR, 3 for 2-D MR with uncompressed data, and 4 for 2-D MMR (default). |
| desiredec | Which type of Error Correction Mode (ECM) to use: 0 to disable, 1 for 64-byte ECM, 2 for 256-byte ECM (default). |
| desiredst | The desired minimum scanline time to use for page data transmissions: 0 for 0 ms (default), 1 for 5 ms, 2 for 10ms/5ms, 3 for 10ms, 4 for 20ms/10ms, 5 for 20ms, 6 for 40ms/20ms, and 7 for 40ms. This value is used in selecting the negotiated session parameters. |
| desiredtl | Whether or not to use the format string specified by the tagline job parameter when imaging taglines on document pages. If this value is non-zero then per-job format string is used; otherwise the tagline format string specified in the server configuration file is used; see TagLineFormat in <i>hylafax-config(5F)</i> . |
| doneop | The treatment the job should be given when it is processed by the <i>faxqclean(8C)</i> job cleaner program. The may be one of <i>remove</i> (to expunge the job description file and all associated documents that are not referenced by another job) or <i>archive</i> (to request that the job and associated documents be archived on the server machine). Consult <i>faxqclean</i> more details on other information that may be included in this string. |
| errorcode | The codified form of the status message intended for use by clients which provide customized status messages keyed from this standard index. |
| external | The external form of the dialstring. This string is used instead of the dialstring in any status and log messages. Clients can protect private information such as access codes that must be placed in dialstrings by supplying a “cleansed” version of the dialstring. |
| fax | The pathname of a TIFF/F document that is ready for transmission. If the pathname string has a leading “xx:”, then “xx” is interpreted to be the index of the first directory in the file to transmit (directories are numbered starting at zero). |
| faxnumber | The number to use when sending a fax. Parallel’s FAXNumber device config option. |
| groupid | The job group identifier, an integer number in the range 1 to 32000 assigned to each group of jobs by the <i>HylaFAX</i> software. Each job in a group of jobs submitted at the same time is assigned the same value by the <i>HylaFAX</i> software. |
| jobid | The job identifier, a unique integer number in the range 1 to 32000 assigned to each job by the <i>HylaFAX</i> software. |
| jobtag | A user-specified string that is intended for identification purposes. If this string is defined, it is returned to the user in notification messages instead of the job identifier. |
| killtime | The time to kill this job, expressed in seconds since 00:00:00 GMT, January 1, 1970. |
| location | The receiver’s location as specified with the -y option to <i>sendfax(1)</i> . This value is used only when creating continuation cover pages. |
| mailaddr | The electronic mail address to which notification messages should be directed. |
| maxdials | The maximum number of times the server should dial the phone. If the job cannot be completed in this number of calls, it is terminated. |
| maxtries | The maximum number of times the server should attempt to send a job; where an attempt is defined to be a session that makes it past Phase A of the CCITT T.30 protocol (for facsimile), or similar. If the job cannot be completed in this number of tries, it is terminated. |

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| minsp | The minimum signalling rate to use for transmitting page data: 0 for 2400 bps (default), 1 for 4800 bps, 2 for 7200 bps, 3 for 9600 bps, 4 for 12000 bps, 5 for 14400 bps, 6 for 16800 bps, 7 for 19200 bps, 8 for 21600 bps, 9 for 24000 bps, 10 for 26400 bps, 11 for 28800 bps, 12 for 31200 bps, and 13 for 33600 bps. |
| modem | The outgoing modem to use to send the job, or “any” if any available modem is acceptable. |
| owner | The identity of the user that owns the job. Typically the owner is the user that created the job, though clients with administrative privileges can change the ownership of jobs. The value is the string specified in the USER command passed to <i>hfaxd</i> (8C) when a client logs in to the server. |
| notify | A specification of whether the sender wants notification: whenever the job is requeued after a failed attempt to transmit (“ <i>when requeued</i> ”), when the job is completed (“ <i>when done</i> ”), either of the above (“ <i>when done+requeued</i> ”), or not at all (“ <i>none</i> ”). |
| npages | The number of pages in the facsimile, including the cover page, that have been successfully transmitted. |
| ntries | The number of unsuccessful attempts that have been made to transmit the current page. |
| ndials | The number of consecutive unsuccessful attempts to establish carrier with the the remote device. |
| number | The dialstring to use to call the destination device. |
| page | a string with PIN and to use in processing a page transmit request. |
| pagechop | Whether or not to automatically truncate trailing whitespace on pages of outbound facsimile; see PageChop in <i>hylafax-config</i> (5F). The possible values are: “ <i>default</i> ” to use the setting of the PageChop configuration parameter, “ <i>none</i> ” to disable page chopping, “ <i>all</i> ” to enable chopping of all pages, and “ <i>last</i> ” to enable chopping of the last page of each document. |
| pagehandling | A string that contains per-page information used during facsimile transmission. Most of the information is used in the negotiation of session capabilities with optional information used in the implementation of page chopping. The string has three characters, say <i>xxc</i> , for each page to be transmitted. The <i>xx</i> characters are a hex-encoded specification of the session capabilities required to transmit the page. The <i>c</i> character is one of “M”, “S”, and “P”; where: “M” indicates there is another page to follow and that the page requires different T.30 session parameters be negotiated (an EOM code is to be transmitted). “S” indicates there is another page to follow, but the page uses the same session parameters (an MPS. code is to be transmitted). “P” indicates this is the last page to be transmitted (an EOP code is to be transmitted). In addition, if page chopping has been enabled and the page has enough trailing whitespace to be a candidate, then each three character string will be followed by a string of the form “ZXXXX”, where “XXXX” is a 4 digit hex-encoded count of the number of bytes of data to send for a chopped page. |
| pagelength | The desired page length in millimeters. |
| pagewidth | The desired page width in millimeters. |
| pcl | The pathname of a PCL document to send. Once a PCL document has been processed by <i>faxsend</i> , it is marked as !pcl so that subsequent retries do not reprocess the document. |
| poll | The value is a Caller Identification String (CIS) to use in making a polling request. If no CIS is specified then <i>faxsend</i> will form one from the FAXNumber configuration parameter. |
| postscript | The pathname of a POSTSCRIPT® document to send. Once a POSTSCRIPT document has been processed by <i>faxsend</i> , it is marked as !postscript so that subsequent retries do not reprocess the document. |

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| receiver | The receiver's name. This value is used only when creating continuation cover pages. |
| resolution | The desired vertical resolution in lines per inch. This value should be either 98 or 196. |
| retrytime | The time, in seconds, to delay between each attempt to transmit a job that fails because of a communication-oriented problem. Normally jobs are scheduled according to a collection of configuration parameters that are tuned for the specific reason of each failure; e.g. see JobReqProto in <i>hylafax-config(5F)</i> . |
| returned | Used internally to determine the last return value of the job send attempt. |
| sender | The "full name" of the sender of the facsimile. |
| signalrate | The signalling rate used to transmit facsimile data. This item is recorded by <i>faxsend(8C)</i> so that <i>notify(8C)</i> can return it in a notification message. |
| state | The job scheduling state. Recognized values are: 1 (<i>suspended</i> , not being scheduled), 2 (<i>pending</i> , waiting for the time to send), 3 (<i>sleeping</i> , waiting for a scheduled timeout), 4 (<i>blocked</i> , waiting for concurrent activity to the same destination to complete), 5 (<i>ready</i> , ready to be processed except for available resources), 6 (<i>active</i> , actively being processed by <i>HylaFAX</i>), 7 (<i>done</i> , processing completed with success). 8 (<i>failed</i> , processing completed with a failure). |
| status | Status information about the current state of the job. Typically this is the reason why the last attempt to send the facsimile failed. |
| subaddr | The SubAddress information to transmit when sending a facsimile. This string should be used by the receiver to route received facsimile documents. |
| tagline | The format string to use in imaging taglines on outgoing documents. Note that this parameter is only used if the desiredrtl parameter is non-zero. |
| tiff | The pathname of a TIFF/F document to send. Once a TIFF document has been processed by <i>faxsend</i> , it is marked as !tiff so that subsequent retries do not reprocess the document. |
| totdials | The total number of times the server has placed a call to the receiving phone number. |
| totpages | The total number of pages to be transmitted. |
| tottries | The total number of attempts to transmit a job; see maxtries above. |
| tsi | TSI to use when sending. This is only used if the device has been configured to allow it. Otherwise, the configured <i>LocalIdentifier</i> . is used. |
| tts | The time to send the job. If this value is non-zero, it is number of seconds since 00:00:00 GMT, January 1, 1970. Otherwise, a value of 0 is interpreted to mean process as soon as possible. |
| useccover | 1 if the job should use a continuation cover page during retransmission, 0 otherwise. |
| usexvres | 1 if the job should use the highest possible vertical resolution, 0 otherwise. See <i>hylafax-server(5F)</i> for a description of continuation cover pages. |

SEE ALSO

sendfax(1), *faxq(8C)*, *faxqclean(8C)*, *faxsend(8C)*, *pagesend(8C)*, *hfaxd(8C)*, *hylafax-config(5F)*