FAXAGE

Internet Fax API Documentation

EC Data Systems, Inc.
Last Revised: April 16, 2024

Copyright and Limited License Notice

This documentation and all example code provided with it are copyright EC Data Systems, Inc. These materials are provided under a limited license only for the purpose of an existing or potential customer evaluating and potentially implementing fax functionality using the FAXAGE Internet fax service. Any other use, copying, or making of derivative works is strictly prohibited unless the express written consent of EC Data Systems, Inc. is obtained in advance of such use.

CONTENTS

Overview

The FAXAGE Internet Fax API provides capabilities that an application programmer can use to integrate Fax capabilities into their application utilizing the FAXAGE service as a backend. The API also supplies capabilities related to gathering information for management purposes, and making some configuration changes automatically that impact the overall behavior of the FAXAGE system. The integration itself is accomplished via HTTPS POST operations I.e.: This is a REST style API.

Common target applications for the FAXAGE API include:

- Automated systems expected to handle high volumes of incoming and outgoing faxes. Examples include restaurant ordering systems, diagnostic testing requests and responses, shipping and transportation, systems that fax government agencies on behalf of requestors, and automated invoicing systems.
- Integration as a fax capability inside of another application, such as an Electronic Medical Record system, ERP/Financial system, Mortgage and Real Estate, Legal, or other applications where being able to send/receive faxes in an integrated environment within the application itself is beneficial.
- Internal fax capabilities for large enterprises that desire a single, internally-managed interface point for desktop faxing.
- Reseller systems where the API is utilized to provide the faxing portion of a fax service to end customers, while maintaining a branded front-end such that the reseller is the fax provider to their customers. This includes providing a fax portal as part of an overall telecom or IT services offering for VoIP providers, systems integrators and general technology resellers.

POSTS are sent to the following URLs:

- https://api.faxage.com/httpsfax.php - Fax sending, receiving and general configuration operations
- https://api.faxage.com/getcdr.php - Call detail record collection
- https://api.faxage.com/provision.php - Automated number provisioning

Each of these URLs will be described in this documentation in terms of both required and optional POST variables that are sent to the URL in order to accomplish certain operations. Responses from the FAXAGE system are additionally defined throughout this documentation in the relevant section.

In general, this looks like a programmatic POST of a form to an HTTPS website (variable/value pairs), where the FAXAGE system then takes an action (such as sending a fax) based on the variable/value pairs POSTed to the URL.

Using Example Code

Example code is supplied in Perl, Java, PHP, Visual Basic (as a Visual Studio 2010 project) and Progress for one or more of these operations. The basic structure (HTTPS POST with a series of required and optional variables passed) is essentially the same for all components and operations that can be performed utilizing the API. Thus, example code covering every operation in every language is not supplied. However, given one operation successfully implemented, any other operation is just a variation on the same paradigm.

API Operations Summarized

Before delving into the specifics of each URL and its associated operations, it is helpful to understand how the API operations relate to each other and, generally, the purpose of each in the context of accomplishing tasks within the FAXAGE system. Each of the 'operations' referenced and briefly described below is further detailed as to the specifics of its usage later in this document.

Generally, your code should POST to the URL specified with a variable named 'operation' set to the relevant operation, and then supply other variable/value pairs specific to the operation being called, as documented.

Sending Faxes

URL: https://api.faxage.com/httpsfax.php

Operations:

- **sendfax** – This is the initial operation to make a fax request and supply a file or files to be faxed to the FAXAGE system. A unique Job ID comes back from this operation.
- **status** – Allows for checking the status of a fax Job ID. I.e.: Once you've done a sendfax, the next thing to do would be to find out if it's gone through successfully or not. In addition to checking status, sendfax allows you to supply a URL on your systems that can be notified via a push when the fax completes.
- **clear** – Allows for deletion of a completed fax. This is generally used as cleanup once your system has consumed the status of a completed fax (either via status or a URL push as mentioned above) and presented it to the user.

In addition to the above basic work flow, the following operations are related to working with sent faxes:

- **dlstatus** – Download an image of a given sent fax Job ID. I.e.: An image of the entire fax as-sent to the recipient.
- **dltrans** – Download a 'transmittal page' for a given sent fax Job ID. This would be a transmission status page (single page) with a shrunk-down copy of the first page of the fax as-sent, like what a fax machine would print for a confirmation.
- **stopfax** – Stop/cancel a fax that is currently pending to be sent.
- **resend** – Attempt to re-send a previously-completed fax.

Receiving Faxes

URL: https://api.faxage.com/httpsfax.php

Operations:

- **listfax** – Lists incoming faxes available for download, including a unique fax ID for each. Like status, a URL on your side can be established to have FAXAGE POST a notification each time a new fax arrives. Please contact us at support@faxage.com if you would like us to set up our systems to POST to a URL that you have established for this purpose.
- **getfax** – Given a fax ID from listfax, retrieve that fax as an image.
- **delfax** – Delete a given fax ID as an optional cleanup operation.

In addition to the above basic work flow, the following operations are related to working with received faxes:

- **handled** – Mark a received fax as 'handled' or 'un-handled' by your system. The listfax operation above can be called to only list faxes that you have not marked as 'handled', as a way of filtering the list to only 'new' or 'unprocessed' incoming faxes.
- **listfolder** – Allows a listing of 'folders' defined in the FAXAGE system under your account. Folders can be used for storing received faxes other than leaving them within the fax line that received them. Note, folders themselves are created and maintained in the FAXAGE web portal for purposes of web portal users accessing faxes. I.e.: Folders have to already exist to use this functionality in the API.
- **mvfax –** Given a folder ID from listfolder and a fax ID from listfax, a given fax can be moved to a given folder programmatically.

Working with Fax Numbers

URL: https://api.faxage.com/httpsfax.php

Operations:

- **listlines** – Get a listing of all numbers currently on your account.
- **checkline** – Given a fax number, the API will tell you if it's on your account.
- **disabledid** – Busy-out a particular fax number on your account.
- **enabledid** – Un-busy a fax number that was previously disabled. Fax numbers are enabled by default when initially provisioned to your account, so this is only needed if you have used disabledid to turn one off.
- **portable** – Validate whether a particular fax number is portable to FAXAGE (checks the number to see if it is in an area where FAXAGE can supply service).

URL: https://api.faxage.com/provision.php

- **listdids** – Provides a listing of DIDs (fax numbers) that FAXAGE has available for provisioning.
- **listac** – Lists area codes where FAXAGE has numbers. This is used in conjunction with listdids to first narrow down the area codes, then ask for a specific area code from listdids.
- **listnpanxx** – Lists NPANXXs (first six digits of the phone number). Like listac, an NPANXX can be passed to listdids to narrow the list to that NPANXX. This operation can also take an area code from listac, to narrow its listing as well, if desired.
- **provdid** – Provisions a DID – adds a requested fax number to your account.
- **deprovdid –** De-provisions a DID – removes a fax number from your account.
- **listonhold** – Lists DIDs currently 'on hold'. When you de-provision a DID, it goes on-hold automatically for 30 days and is not available to general subscribers. This allows an opportunity to get a DID back if it is mistakenly de-provisioned.
- **provonhold –** Provision a DID that is currently 'on hold'.

Working with Users

URL: https://api.faxage.com/httpsfax.php

Operations:

- **adduser** – Add a user account/login to your FAXAGE account.
- **changepass** – Reset a user's password.
- **changeemail** – Change a user's email address.
- **remuser** – Remove/delete an existing user from your FAXAGE account.
- **listusers** – List all users currently on your FAXAGE account.

In addition to maintaining user accounts, the API also allows for programmatically assigning users to have incoming faxes routed to their email address using the following operations:

- **addlineemail** – Add a user to be emailed for a particular fax line.
- **remlineemail** – Remove a user from being emailed for a particular fax line.

For the sending side, users need permissions on fax lines in order to send faxes from their email or the FAXAGE website and/or in order to access faxes in the FAXAGE website. The following operations allow for permission management:

- **addlineperm** – Grant a user a given permission level on a particular fax line.
- **remlineperm** - Remove a granted permission on a fax line from a user.

Configuration Settings

These operations relate to general settings that can be made via the API interface.

URL: https://api.faxage.com/httpsfax.php

Operations:

- **lowspeed** – Allows for setting a particular caller to lower fax speed when they call one of your fax numbers in order to attempt to overcome problems with receiving faxes due to the caller's line quality or fax equipment. Can also be used to remove low speed settings and query current settings.
- **blacklist** – Can be used to 'blacklist' a particular fax number (such as someone who sends you fax spam). Blacklist entries can be made to just a particular fax number or to all of your fax numbers. When a call matches a blacklist entry, FAXAGE sends a busy signal to the caller and does not answer the call.
- **donotfax** – Allows for adding and deleting 'do not fax' entries, which prevent your users from sending to particular destination numbers, if desired.

Information Gathering Operations

These operations relate to gathering information that helps with managing and/or monitoring your overall FAXAGE account.

URL: https://api.faxage.com/httpsfax.php

Operations:

- **handlecount** – Related to the 'handled' operation for received faxes. Returns the total number of faxes and the total number that have been previously marked as handled.
- **pendcount –** Returns the total number of faxes currently pending to be sent within your FAXAGE account.
- **qstatus** – Returns a listing of pending faxes to be sent along with a system unique line ID to which each fax is assigned for sending. This allows visibility into how FAXAGE is spreading your faxes across your available capacity in real time.
- **incomingcalls –** Returns the number of calls currently in progress that are incoming to your account (faxes you are currently receiving) and the number of simultaneous calls your account is configured to support. This allows for monitoring of inbound capacity versus demand.
- **busycalls** – Returns a list of calls (caller ID, number called and date/time) for which FAXAGE has returned a busy signal because your account's inbound capacity was insufficient to take the call when it came.
- **portstatus** – Lists all orders that you have made to port fax numbers to FAXAGE, along with their current status, expected completion date and whether or not the porting process has been completed for each number.
- **auditlog** – FAXAGE supplies a complete and automated auditing system which logs all activities via the API, website or email interfaces. This operation allows for pulling audit logs from FAXAGE for troubleshooting or security review purposes.

URL: https://api.faxage.com/getcdr.php

Operations:

- **getcdr** – Allows for pulling call-detail records (records of incoming and outgoing calls) to and from your FAXAGE account for a specified time period. These are most often used for downstream billing or accounting purposes and can also be used for troubleshooting.

Debugging

A debugging URL is also provided that is equivalent to the httpsfax.php URL, except that it also returns the contents of your POST:

https://api.faxage.com/httpsfax-debug.php

Substituting the above URL for any operation that ordinarily uses the https://api.faxage.com/httpsfax.php URL allows for identical functionality, but with the contents of your POST echoed back to you before the response from the API.

The most frequent cause of issues in initially developing against the FAXAGE API is sending an HTTPS GET request instead of a POST and/or not sending the correct variable/value pairs that a given API operation is expecting. Thus, this URL serves the purposes of helping you to validate what the FAXAGE systems think your software is requesting. Also, if you require our assistance, support will frequently request that you hit the debugging URL and send us the output so that we can see what your software is doing and how the FAXAGE system is responding to your request.

Note that the debugging URL is still live and identical to the regular/production URL. For example, if you send a fax using the sendfax operation with the debugging URL, the fax will still get sent as normal.

API Operations Detailed

The remainder of this document is dedicated to detailing each of the API operations described in the preceding 'API Operations Summarized' section. Generally, this is a listing of each URL, then its various operations' details:

- How, specifically, to call each operation.
- Which variables are required, which are optional and what they do.
- What responses can potentially come back from the FAXAGE system, based on the result of handling your software's request.

URL: https://api.faxage.com/httpsfax.php

Sendfax Operation

The sendfax-example.pl script provides an example of code that uses this operation. Examples for the sendfax operation are also provided in Visual Basic (.NET, VS 2010), Java, PHP and Progress. All of these can be found under the example-code directory distributed with the API zip file.

Note the optional 'URL Mode' below. If you wish to POST a URL to be downloaded and faxed out rather than file data, please use the variables shown in the URL Mode section rather than the first set of Required POST Variables which are for the 'standard' mode.

Supported File Types

As of this writing, the following file types are supported for sending, others may become available over time, so please check with us if the type of content you wish to send is not listed here. An automatically updated list (based on what FAXAGE is configured to support) is available at the following URL:

http://www.faxage.com/learn_faxage_send_faxes_email_website_api.php
Click the link for 'Q: What types of files can I send?' on the above URL to get the list.

Description	Extension(s)
Adobe PDF	PDF
Adobe PostScript	PS
Microsoft Word	DOC or DOCX
Microsoft Word Template	DOT
Microsoft Works	WPS
WordPerfect	WPD
OpenOffice / LibreOffice Document	ODT
Rich Text	RTF
Microsoft Excel	XLS or XLSX
Microsoft Powerpoint	PPT or PPTX
OpenOffice / LibreOffice Spreadsheet	ODS
Comma-separated CSV	CSV
HTML	HTM, HTML
Bitmap Image	BMP
GIF Image	GIF
JPEG Image	JPG, JPEG
TIFF Image	TIF, TIFF
PNG Image	PNG
HP Printer Control Language	PCL
Plain Text	TXT

Required POST Variables for Standard Mode

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
recipname	Recipient Name – 32 characters max
faxno	Fax Number – 10 digits, numeric only
operation	Hard coded to 'sendfax' (without the quotes)
faxfilenames[ ]	Array of file names. These must end in a supported extension – see the table above for a list
faxfiledata[ ]	Corresponding array of base64-encoded strings that are the contents/data of the file in faxfilenames. E.g.: if faxfilenames[0] is test.doc, then faxfiledata[0] should be the base64-encoded contents of test.doc

Required POST Variables for URL Mode

The URL mode will support faxing HTML content and will use stylesheets as well as images, etc. However, any client-side scripting will not be executed by the parser on our end.

Any supported file type (such as a Word document or PDF) may also be passed in URL mode, provided that these are available at a designated URL. Use the optional faxurltypes[] array if they are script-supplied (i.e.: the extension of the URL does not match the document type), otherwise HTML content is assumed for all URLs.

HTML passed to FAXAGE (in standard mode as a file versus URL mode) can contain external hyperlinks to images, etc. via HTTP or HTTPs as long as the links are absolute (i.e.: begin with http:// or https://) or images, etc. can be passed as additional files along with the HTML, depending on developer preference.

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
recipname	Recipient Name – 32 chars max
faxno	Fax Number – 10 digits, numeric only
operation	Hard coded to 'sendfax' (without the quotes)
faxurl	Absolute URL path (beginning with http:// or https://) to the URL to be faxed

Variable	Description
faxurls[]	Can be used in place of Faxurl to send an array list of multiple URLs to be faxed

Optional POST Variables for Both URL and Standard Modes

Variable	Description
tagname	In the header of each fax page, this specifies the name that will follow From: If unspecified, the default for your company will be used
tagnumber	In the header of each fax page, this specifies the fax number that will follow tagname. 14 characters max. If unspecified, the default for your company will be used. This should be in 1.XXX.XXX.XXXX format
callerid	Set the Caller ID number to use for this request. This should be 10-digit, numeric only. If unspecified, the default Caller ID for your account is used.
em_notify	If this variable is set to 1, then the final status of the job will be pushed via email to the email address associated with the user credentials that submitted the job. This can be used as an alternative to polling for status through the API. The format of the email is the JOBID (see 'possible responses' below) in the subject line and the body will contain the same record format as would be provided by the 'status' operation (see the <StatusRecord> format definition in the 'status' operation section of this document)
url_notify	Set to an absolute URL (beginning with http:// or https://) to have the FAXAGE system POST back the fax job status record when the fax completes. See the 'Callback URL POST' section below for a listing of what is posted back.
resolution	Set to '1' for fine resolution or '2' for hyperfine. If not passed, the fax will use your default account settings (as specified in the website under 'Admin' -> 'Outgoing Fax Settings' -> 'Resolution and Retries')
contrastalgo	Set to '1' for the default contrast enhancement algorithm or '2' for an algorithm that produces more darkening (useful for lighter scans). The default if not passed is '1'
priority	Set to 'high' or 'low'. By default, if this is not passed, the priority is 'high'. Setting certain faxes to 'low' priority allows your other faxes to complete ahead of them by jumping ahead of low priority faxes in your queue. For instance, you could send a batch of faxes as 'low' priority, but one-off user faxes as 'high', so that they would be able to jump the queue ahead of your batch
jobtz	The timezone to use for this job. This makes the tagline date/time in the fax page headers print in the timezone requested, regardless of the calling credentials' timezone settings. Valid timezones as of this writing are:

	1 – Mountain with Daylight Saving 2 – Pacific with Daylight Saving 3 – Central with Daylight Saving 4 – Eastern with Daylight Saving 5 – Mountain Standard, no daylight saving (Arizona) 6 – Alaska 7 – Hawaii 8 – UTC/GMT 9 – Atlantic Time For example, setting 'jobtz' to '4' means Eastern time is desired. NOTE: Times reported by FAXAGE as far as status records, etc. as well as the default if jobtz is not passed, are in the calling user credentials' time zone. That is set in the FAXAGE website under 'Admin' -> 'Company Settings' -> 'Set Timezone'.
retryplan	This variable allows for influence over how FAXAGE implements retries for this fax request. The default is to wait 3 minutes between retries and to try maximally three times (10 below). The following are available settings to influence the frequency and number of tries: 5 – Try three times, once per minute 10 – Try three times, once every 3 minutes 20 – Try three times, once every 5 minutes 30 – Try 5 times, once every 6 minutes 60 – Try 5 times, once every 10 minutes 120 – Try 10 times, once every 10 minutes
ditheralgo	The algorithm to use when dithering the fax to black and white from the original document(s) submitted. If not passed, will default to your account setting in the FAXAGE website under 'Admin' -> 'Resolution and Retries' -> 'Optimize For'. Available values are: 1 – Standard bicubic dithering, AKA 'Optimize for Text' 2 – Stochastic dithering, AKA 'Optimize for Images'

Optional POST Variables for URL Mode Only

Variable	Description
async	If this variable is set to 1, then the FAXAGE system will return your jobid immediately and retrieve the URL content specified asynchronously (after your connection is completed). The default is to retrieve the URL(s) before returning
faxurltypes[]	If the faxurls[] array is used, this can be passed as well. By default

	the system determines the filetype of a URL based on its extension and defaults to HTML if unknown (such as an ASP or PHP page being passed). The faxurltypes[] array can contain a list of extensions, corresponding to the indexes in the faxurl[] array. For example, if faxurls[0] is http://www.example.com/download.asp?docid=2 and this URL will return a Word document, then faxurltypes[0] would be set to 'doc'

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR03: No files to fax	No valid files were found in faxfilenames[ ] and/or faxfiledata[ ]
ERR04: Fax number <number> appears to be invalid	The faxno variable does not contain a 10-digit numeric only string
ERR05: <reason>	The number you tried to fax to was blocked (outside of continental US, Canada and Hawaii or a 555, 911, or other invalid/blocked type of number)
JOBID: <numeric-job-id>	Successful send. The jobid reported can later be used to get status, etc. for this job
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes
ERR15: Invalid Job ID	Internal FAXAGE error – the job was not properly inserted into our database

Callback URL POST Reponse

If url_notify is passed into the initial sendfax call, then the following variables and values will be posted back to a URL you specify when the fax completes. You will need to set up a web page at the URL you designate in the sendfax call that can handle a POST of the variables listed below and do what you need with the information. It is still possible to poll for status (using the 'status' operation) if a callback is missed for any reason.

A typical implementation using the url_notify optional variable would consume notifications, then use 'status' to poll on a less-frequent basis (for example, every 30 minutes or so) in order to pick up any possibly missed callback POST responses from FAXAGE.

Variable Name	Value
jobid	The numeric jobid returned by sendfax originally
commid	Numeric communications job identifier
destname	The destination name
destnum	The destination fax number
shortstatus	One of 'pending', 'success' or 'failure'
longstatus	Descriptive failure reason or other descriptive text about the status. NOTE: This text is intended to be human-readable and is subject to change, programmatic parsing or rendering of the 'longstatus' field is not recommended.
sendtime	Time this job was submitted YYYY-MM-DD HH:MM:SS format
completetime	Time this job was completed YYYY-MM-DD HH:MM:SS format
xmittime	Transmit time for this job HH:MM:SS format
pagecount	The number of pages in the job
xmitpages	The number of pages actually transmitted
csid	The station identifier reported by the fax machine that was called

Status Operation

The status-example.pl script provides an example of code that uses this operation. This operation is used to poll the current status of one or more fax jobs that had been previously sent using the sendfax operation – I.e.: Find out the status of faxes you've sent – completed (success or failure), still pending, etc.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'status' (w/o the quotes)

Optional POST Variables

Variable	Description
jobid	If specified, reports only the status of the requested jobid, otherwise reports status of all jobids for your company
jobids[]	Alternative to 'jobid' to request status for an array list of jobs as opposed to a single job
pagecount	Hard code this variable to '1'. If passed, this will cause the page count to be displayed as the last field on each status record. If not passed, then page counts will not be displayed
useronly	Hard code to '1'. If passed, the status call will only show records pertaining to faxes sent by the calling username, versus showing all records for the account, which is the default mode of operation
extqueue	Hard code to '1'. If passed, extended queue status will be shown for faxes that are currently in queue
csid	Hard code to '1'. If passed, will return the remote station ID for completed faxes
showlogin	Hard code to '1'. If passed, will show the username corresponding to the credentials that were used to send the fax
xmitpages	Hard code to '1'. If passed, will show the number of pages actually transmitted
showtries	Hard code to '1'. If passed, will show the number of tries.
csid	Hard code to '1'. If passed, will show the remote fax machine's station identifier.
begin	Date and time from which status records should begin in YYYY-MM-DD HH:MM:SS format
end	Date and time from which status records should end in YYYY-MM-DD HH:MM:SS format

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR06: No jobs to display or job id specified not found	The jobid you passed was not found or there are simply no jobs to report for your company at this time
\<StatusRecord\>	The format of the status record(s) returned is as follows (newline separation if multiple records). See below for definition of each field \<jobid\>\<tab\>\<commid\>\<tab\>\<destname\>\<tab\>\<destnum\>\<tab\>\<shortstatus\>\<tab\>\<longstatus\>\<tab\>\<sendtime\>\<tab\>\<completetime\>\<tab\>\<xmittime\> OPTIONAL: \<tab\>\<pagecount\>\<tab\>\<csid\>\<tab\>\<login\>\<tab\>\<xmitpages\>\<tab\>\<number-of-tries\>
ERR08: Unknown operation specified or bad POST \<POST contents\>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Definition of Status Record Fields

jobid – The numeric jobid returned by sendfax originally

commid – Communications job identifier. Useful for support debugging

destname – The destination name

destnum – The destination fax number

shortstatus – One of 'pending', 'success' or 'failure'

longstatus – Descriptive failure reason or other descriptive text about the status. NOTE: This text is intended to be human-readable and is subject to change, programmatic parsing or rendering of the 'longstatus' field is not recommended. If the extqueue value is passed, then the longstatus will be postfixed with 'Tries: \<number of tries so far\> Status: \<status of last attempt\>'. This can be useful for monitoring what is going with retries on jobs that are still pending

sendtime – Time this job was submitted YYYY-MM-DD HH:MM:SS format

completetime – Time this job was completed YYYY-MM-DD HH:MM:SS format, all 0's if the job is pending

xmittime – Transmit time for this job

pagecount – Optional if the pagecount variable is POSTed. This will display the number of pages in the job

csid – Optional if the csid variable is POSTed. This will display the CSID (the fax machine identifier) for the station called, if available

login – Optional if the showlogin variable is POSTed. This will display the login of the credentials that sent each fax record

xmitpages – Optional if the xmitpages variable is POSTed. This will display the number of pages actually transmitted (once the job is completed – it shows '0' while the fax is in progress)

number-of-tries – Optional if the showtries variable is POSTed. This will display the number of tries associated with this fax request

Dlstatus Operation

This operation is used to pull the image of a fax as-sent by FAXAGE.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'dlstatus' (without the quotes)
jobid	The jobid to retrieve

Optional POST Variables

Variable	Description
viewtype	Set to 'tiff' or 'pdf' (w/o the quotes). If not set, the system returns a TIFF (the native image format).

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR06: No jobs to display or job id specified not found	The jobid you passed was not found
ERR24: File is not yet converted	Images can only be retrieved after the file(s) have actually been imaged (I.e.: The fax must either be In Queue or completed to be able to retrieve an image)
ERR25: File does not exist	This can be either an internal error, or if the status is a 'Failed Conversion', then there is no image to retrieve
< IMAGE DATA>	In the successful case, a binary response of the TIFF image (or PDF if the viewtype variable is set to pdf) of the transmitted fax is returned
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

DltransOperation

This operation is used to pull a 'transmittal page' – Transmission status, plus a shrunk-down copy of the first page – for a completed sent fax. Like the confirmation a fax machine would print.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'dltrans' (without the quotes)
jobid	The jobid to retrieve

Optional POST Variables

Variable	Description
jobtz	The timezone to use for this transmittal page. This makes the date/time on the transmittal page print in the timezone requested, regardless of the calling credentials' timezone settings. Valid timezones as of this writing are: 1 – Mountain with Daylight Saving 2 – Pacific with Daylight Saving 3 – Central with Daylight Saving 4 – Eastern with Daylight Saving 5 – Mountain Standard, no daylight saving (Arizona) 6 – Alaska 7 – Hawaii 8 – UTC/GMT 9 – Atlantic Time For example, setting 'jobtz' to '4' means Eastern time is desired. NOTE: Times reported by FAXAGE as far as status records, etc. as well as the default if jobtz is not passed, are in the calling user credentials' time zone. That is set in the FAXAGE website under 'Admin' -> 'Company Settings' -> 'Set Timezone'.

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR28: JOB ID: <jobid> does not exist	Transmittal pages can only be retrieved after the fax has completed sending (successfully or failed). This can also be caused if a non-existent job id is requested.
<PDF FILE>	In the successful case, a binary response of a PDF, which is a transmittal page is returned
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Clear Operation

The clear-example.pl script provides an example of code that uses this operation. This operation is used to delete a completed sent fax record as a cleanup, if desired. Clear will only clear records of completed jobs (presumably after the programmer has processed them using the status operation). Pending jobs cannot be cleared through the API.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'clear' (without the quotes)
jobid	The jobid to clear the status record for

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR07: Job ID: <jobid> not found, does not belong to you or is pending and cannot be cleared yet	The jobid you passed was not found, is not a job for your company or is in a pending state
<jobid> cleared	Successful clear of the specified jobid's status record
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Stopfax Operation

The stopfax-example.pl script provides an example of code that uses this operation. This operation is used to stop or cancel a fax that is currently waiting to be sent. Only faxes 'In Queue' or 'Waiting for conversion' that are not currently transmitting can be stopped.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'stopfax' (without the quotes)
jobid	The numeric ID of the fax to delete, obtained from the status operation

Optional POST Variables
None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR19: JOB ID <jobid> not found or does not belong to you	The requested jobid either does not exist or is not a fax belonging to your company
<jobid> stopped	Success condition
ERR18: No jobid specified	The 'jobid' variable was not specified or did not contain a numeric job id
ERR20: Job ID - <jobid> - is not In Queue	The jobid is not currently in an 'In Queue' or 'Waiting for conversion' status and, therefore, is ineligible to be stopped
ERR21: Job ID - <jobid> - not found on fax server	The jobid is not on the fax server at present and, therefore, cannot be stopped. This may be indicative of an internal status error within FAXAGE
ERR22: Job ID - <jobid> - is in transmission	The jobid is currently being transmitted and, therefore, cannot be stopped
ERR23: Job ID - <jobid> - failed to stop	General failure to stop. The request is otherwise valid, but just didn't work
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Resend operation

This operation is used to 're-send' a previously-completed fax. This might be used to re-attempt a fax that had been sent and failed in the event that whatever issue was encountered has since been corrected. **It is not recommended to just blindly re-send every failed fax repeatedly**, as it is likely that if there was a problem it needs to be looked into before a resend attempt will have a positive effect.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'resend' (without the quotes)
jobid	The numeric ID of the fax to resend, obtained from the status operation

Optional POST Variables

See the sendfax operation. **jobtz, em_notify, url_notify, tagname, tagnumber, callerid, retryplan** and **ditheralgo** can be set as in 'sendfax'. Note, these are not retained from the original 'sendfax' request and must be passed if defaults are not wanted for these values.

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR40: JobID <jobid> not found or does not belong to you	The requested jobid either does not exist or is not a fax belonging to your company
ERR41: JobID <jobid> is not eligible for resend	The requested jobid failed conversion, so there is no good image to re-send the fax
ERR42: Internal DB error	Internal FAXAGE error setting up the new job for resend
JOBID: <jobid>	Success condition – the new fax job for the re-sent fax is <jobid>
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Listfax Operation

The listfax-example.pl script provides an example of code that uses this operation. This operation is used to gather a list of incoming faxes for your account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'listfax' (without the quotes)

Optional POST Variables

Variable	Description
useronly	Hardcode to '1'. If specified only shows faxes that the currently passed credentials (if a non-manager account is being used) has access to from a website-security perspective. This allows automatic filtering on a per-user basis when using the API if it is desirable to control user access on the FAXAGE side versus building your own capabilities to filter faxes into your application
idasc	Hardcode to '1'. Causes faxes to be listed in order by recvid (see listfax record definition below) ascending. Recvid is an incremented numeric field, so this is basically an 'oldest to newest' type of listing. The default is to list by the receiving number, then by date received descending ('newest to oldest', grouped by receiving fax number)
filename	Hardcode to '1'. Causes an optional returned column, which contains the internal filename associated with each received fax
starttime	Hardcode to '1'. If set, causes the start time as well as the received time to be returned (the recvdate is the receive time in the return record, which is really the 'end time' of the transmission). Using this, incoming fax duration can be calculated as recvdate - starttime
begin	Set to a YYYY-MM-DD HH:MM:SS format string to list only faxes received after the specified date/time
idgt	Set to a recvid in order to list faxes only greater than the passed recvid. Recvid is always unique and ascending, so sending the largest recvid you have seen so far ensures that you get only 'new' faxes that you have not yet listed
unhandled	Hardcode to '1'. If set, causes only faxes that have not previously been marked by you using the 'handled' operation to be returned on

	the list. Using this presumes that you are marking faxes handled using the handled operation as they are downloaded by you.
pagecount	If passed, will return the page count for each fax as the last item in the record.
didnumber	Set to a 10-digit DID on your account. If passed, only faxes incoming for the specified DID will be listed.
showtsid	Hardcode to '1'. If set, causes an optional returned column, which contains the fax station id of the fax machine that sent you the fax.

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR11: No incoming faxes available	There are no incoming faxes to list for you
<Listfax Record>	The format of the listfax record(s) returned is as follows (newline separation if multiple records). See below for definition of each field: <recvid><tab><recvdate>(OPTIONAL: <tab><starttime>) <tab><CID><tab><DNIS>(OPTIONAL: <tab><filename>)(OPTIONAL: <tab><pagecount>)(OPTIONAL: <tab><tsid>) The 'OPTIONAL' return values above in parentheses have to do with whether the 'filename', 'starttime', and/or 'showtsid' optional variables are passed.
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Definition of Listfax Record Fields

recvid – Numeric ID for this received fax

recvdate – Date/time fax was received YYYY-MM-DD HH:MM:SS format

starttime – Date/time the phone was initially answered for the call in YYYY-MM-DD HH:MM:SS format

CID – Caller ID (XXX)XXX-XXXX format, will be 'Unavailable' if unavailable

DNIS – The phone number the fax came in to (XXX)XXX-XXXX format. Useful for determining 'who' the fax is for if you have multiple phone numbers and use these to route

filename – The internal filename associated with this fax (e.g.: fax12345.pdf)

pagecount – The number of pages in the fax

tsid – The station identifier for the fax machine that sent you the fax

Getfax Operation

The getfax-example.pl script provides an example of code that uses this operation. This operation is used to download a received fax image. Note that faxes will be returned as either PDF's or TIFF's, depending on the settings in the website under 'Admin' -> 'Company Settings' -> 'Fax Format'. The default is PDF unless changed.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'getfax' (w/o the quotes)
faxid	The numeric ID of the fax to get, retrieved from the listfax operation (the recvid in listfax)

Optional POST Variables

Variable	Description
resolution	Hardcode to '1'. If this is set, the system is forced to return the image to you in 204x196 ('fine' mode fax resolution) and will re-image before returning if the image is not already in 204x196. Otherwise, the image is sent to you in the resolution that the sending fax machine sent it in. Generally, this is used if your application needs to only ever retrieve faxes in a pre-defined resolution (because of post-process handling on your end or compatibility with your application, for example).
informat	Allows for override of the format of the image. At this time, can be set to 'pdf' or 'tiff' to force either a PDF or TIFF to be retrieved. The calling credentials' default setting for format control which format is retrieved if this variable is not set, as noted above.

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR12: FAX ID <faxid> not found or does not belong to you	The faxid passed in is invalid or is an ID that does not belong to your company

ERR13: File could not be opened	Internal FAXAGE error
<filedata>	Success condition. Headers will be content-type: application/octet-stream and disposition: attachment, a unique filename is also supplied in the headers. The actual data returned will be the binary contents of the fax itself. This looks just like a website sending a file to a browser for Open or Save type of operation. Depending on your company setup, the file will either be a TIFF image or an Adobe PDF
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Delfax Operation

The delfax-example.pl script provides an example of code that uses this operation. This operation is used to delete a received fax from the FAXAGE systems, as an optional cleanup if desired.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'delfax' (w/o the quotes)
faxid	The numeric ID of the fax to delete, obtained from listfax (recvid)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR14: FAX ID <faxid> not found or does not belong to you	The requested faxid either does not exist or is not a fax belonging to your company
<faxid> Deleted	Success condition
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Handled Operation

This operation is used to mark an incoming fax as 'handled', presumably after it has been successfully downloaded using 'getfax'. When this has been used, the 'unhandled' variable can be passed to the 'listfax' operation, such that only incoming faxes that you have not marked as 'handled' will be returned to you. In case of an accidental call to 'handled', there is also the capability with the handled operation to 'unhandle' a fax.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'handled' (w/o the quotes)
recvid	The fax ID to mark/un-mark
handled	Set to '1' to mark a fax as 'handled' or '0' to un-mark a fax as handled (I.e.: mark it as 'unhandled' and put it back on listfax's return list when 'unhandled' is used with listfax)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR39: Attempt to double handle <recvid>	You have set handled to '1', but the request recvid has already been marked as handled
ERR37: <recvid> does not appear to be one of your faxes	The requested recvid does not belong to you
ERR38: Either recvid or handled variable not set	Either recvid or handled has not been passed with your request
<recvid> marked (handled | unhandled)	Success condition – will say 'marked handled' when handled was set to '1' or 'marked unhandled' when handled was set to '0'
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Listfolder operation

This operation is used to list the folders currently available on your account. It is intended to be used in conjunction with listfax (to get incoming fax recvid's) and mvfax (to move a given fax recvid to a folder's folder-id, returned by this operation). Note, folders are created in the FAXAGE website portal and not through the API.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'listfolder' (w/o the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
List of folders	Success condition – Returns newline-separated listing of all your folders in the format: <folder-id><tab><folder-name>
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Mvfax operation

This operation allows moving a received fax into a folder programmatically. The listfax operation supplies the recvid and the listfolder operation supplies the folder-id that are needed to utilize this operation.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'mvfax' (w/o the quotes)
folderid	The folder ID to move the fax to (from listfolder)
recvid	The recvid of the fax to move (from listfax)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR24: Folder ID does not appear to be valid	folderid is either not set or is '0'
ERR25: Recv ID does not appear to be valid	Recvid is either not set or is '0'
ERR26: Recv ID <recvid> not found or does not belong to you	The specified recvid is not one of your faxes
ERR27: Folder ID <folderid> not found or does not belong to you	The specified folderid is not one of your folders
Recv ID: <recvid> moved to Folder ID: <folderid>	Success case
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Disabledid Operation

The enable-disable-example.php script provides an example of code that uses this operation and the enabledid operation. 'Disabling' a DID causes all calls to that DID to receive a busy signal. Enabling a DID turns it back on for faxes to come in. All DIDs are enabled by default when initially set up on FAXAGE.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'disabledid' (without the quotes)
didnumber	The 10-digit did to disable

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR17: DID <didnumber> not found or doesn't belong to you	The requested didnumber either does not exist or is not a number belonging to your company
ERR16: invalid DID number - <didnumber>	The value of the 'didnumber' variable is not a 10-digit number or was not specified
Disabled <didnumber>	Success condition
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Enabledid Operation

The enable-disable-example.php script provides an example of code that uses this operation and the disabledid operation. 'Disabling' a DID causes all calls to that DID to receive a fast-busy signal. Enabling a DID turns it back on for faxes to come in. All DIDs are enabled by default when initially set up on FAXAGE.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'enabledid' (without the quotes)
didnumber	The 10-digit did to enable

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR17: DID <didnumber> not found or doesn't belong to you	The requested didnumber either does not exist or is not a number belonging to your company
ERR16: invalid DID number - <didnumber>	The value of the 'didnumber' variable is not a 10-digit number or was not specified
Enabled <didnumber>	Success condition
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Checkdidstate Operation

The enable-disable-example.php script provides an example of code that uses this operation, the disabledid and the enabledid operation. 'Disabling' a DID causes all calls to that DID to receive a fast-busy signal. Enabling a DID turns it back on for faxes to come in. All DIDs are enabled by default when initially set up on FAXAGE. This operation allows one to check the operational state (enabled or disabled) of a DID.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'checkdidstate' (without the quotes)
didnumber	The 10-digit did to check

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR17: DID <didnumber> not found or doesn't belong to you	The requested didnumber either does not exist or is not a number belonging to your company
ERR16: invalid DID number - <didnumber>	The value of the 'didnumber' variable is not a 10-digit number or was not specified
<didnumber> - <current state>	Success condition, current state can be one of: 'faxin' – The DID is currently enabled 'nofax' – The DID is currently disabled
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Portable Operation

This allows for checking a number against FAXAGE's rate center database to find out if it is portable to FAXAGE. What this actually checks is to see if the number is in a rate center we service.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'portable' (without the quotes)
didnumber	The 10-digit did to check

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
'0' or '1'	Success condition – 1 indicates portable, 0 indicates not portable
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Listlines Operation

This operation allows for listing all lines currently assigned to your account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'listlines' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
List of lines	Success condition – a newline-separated list of 10-digit numbers assigned to your account is returned
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Checkline Operation

This operation allows for checking to see if a number is currently assigned to your account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'checkline' (without the quotes)
checknum	10-digit phone number to check

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
'0' or '1'	Success condition – '1' is returned if the number is on your account, '0' if not
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Adduser operation

This operation allows you to programmatically add a user to your FAXAGE account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'adduser' (without the quotes)
ulogin	Login / username
upasswd	Password for this user
ufullname	The user's full name
uemail	The user's email address

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot add users
ERR51: Missing data	One or more of ulogin, upasswd, ufullname or uemail are missing
ERR52: Duplicate user	A user with the same login already exists on your account
UID: <uid>	Success case, <uid> is a numeric ID for this user. It is important to keep track of these in order to be able to remove the user later, if desired
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Remuser operation

This operation allows you to programmatically remove a user from your FAXAGE account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'remuser' (without the quotes)
uid	Numeric user ID to remove

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot remove users
ERR53: User not found or does not belong to you	UID passed is either non-existent or not a user on your account
ERR56: Unspecified error	An internal error occurred while removing the user
<uid> removed	Success case, <uid> is a numeric ID for this user
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Changepass operation

This operation allows you to programmatically change a user's password.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'changepass' (without the quotes)
uid	Numeric User ID for user to change
upasswd	New password for this user

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot change passwords
ERR51: Missing data	The new password was blank or not set
ERR53: User not found or does not belong to you	UID passed is either non-existent or not a user on your account
ERR56: Unspecified error	An internal error occurred while changing the password
<uid> password changed	Success case, <uid> is a numeric ID for this user
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Changeemail operation

This operation allows you to programmatically change a user's email address.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'changeemail' (without the quotes)
uid	Numeric User ID for user to change
uemail	New email address for this user

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot change passwords
ERR51: Missing data	The new password was blank or not set
ERR53: User not found or does not belong to you	UID passed is either non-existent or not a user on your account
ERR56: Unspecified error	An internal error occurred while changing the password
<uid> email changed to <uemail>	Success case, <uid> is a numeric ID for this user, <uemail> is the new email address
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Listusers operation

This operation allows you to programmatically list all users on your FAXAGE account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'listusers' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot list users
User records	Success case, returns a new-line separated list of users on your account in the following format: <uid><tab><login><tab><email-address>
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Addlineemail operation

This operation allows you to programmatically add a user who should get a copy of all faxes sent to a particular fax number in their email.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'addlineemail' (without the quotes)
uid	Numeric User ID who should be emailed
linenumber	10-digit number that emails the user when a fax is received

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot add email routing
ERR53: User not found or does not belong to you	The UID passed is not one of your users
ERR55: Line not found or does not belong to you	The 10-digit linenumber is not one of your fax numbers
ERR56: Unspecified error	Internal error and/or the routing requested is already in place
<uid> email routing added to <linenumber>	Success case
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Remlineemail operation

This operation allows you to programmatically remove a user from getting copies of all faxes sent to a particular fax number in their email.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'remlineemail' (without the quotes)
uid	Numeric User ID who should no longer be emailed
linenumber	10-digit number that emails the user when a fax is received

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot remove email routing
ERR53: User not found or does not belong to you	The UID passed is not one of your users
ERR55: Line not found or does not belong to you	The 10-digit linenumber is not one of your fax numbers
ERR56: Unspecified error	Internal error and/or the routing requested was already removed or didn't exist in the first place
<uid> email routing removed from <linenumber>	Success case
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Addlineperm operation

This operation allows you to programmatically add permissions on a fax line for a user. This is most frequently used after adding a user in order to grant them the read/send permission so that they are allowed to send faxes from their email or the FAXAGE website. NOTE: If a user already has permission of some sort on the specified line, this will update their permission to the newly specified permission level. Thus, there is no need to remove and re-add permissions in order to change a user's permission level.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'addlineperm' (without the quotes)
uid	Numeric User ID who should no longer be emailed
linenumber	10-digit number to add the permission on
permlevel	The numeric permission 'level'. One of: 1 – Read and send 2 - Read, send, move and rename faxes 3 – Read, send, move, rename and delete faxes

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot manage line permissions
ERR51: Missing data	Uid, linenumber or permlevel is missing or not set to a valid value
ERR53: User not found or does not belong to you	The UID passed is not one of your users
ERR55: Line not found or does	The 10-digit linenumber is not one of your fax

not belong to you	numbers
ERR56: Unspecified error	Internal error
<uid> permission added to <linenumber> level <permlevel>	Success case
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Remlineperm operation

This operation allows you to programmatically remove permissions on a fax line for a user.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'remlineperm' (without the quotes)
uid	Numeric User ID who should no longer be emailed
linenumber	10-digit number to add the permission on

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR50: No permission	The credentials being used to access the API are not 'manager' credentials and, thus, cannot manage line permissions
ERR53: User not found or does not belong to you	The UID passed is not one of your users
ERR55: Line not found or does not belong to you	The 10-digit linenumber is not one of your fax numbers
ERR56: Unspecified error	Internal error
<uid> permission removed from <linenumber>	Success case
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Lowspeed operation

This operation allows you to set a given source caller ID and destination fax number (one of your fax numbers) to answer with lower speed capabilities when FAXAGE receives a call from the source caller ID number. FAXAGE's default is to answer with full fax capabilities (SuperG3 max speed). It is possible to limit maximum fax speed to 14400 (low) or 9600 (lowlow) baud. This can help if you have 'challenged' senders who fail to train up fax calls at higher speeds.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'lowspeed' (without the quotes)
src	Source caller ID number
dst	Destination fax number (one of your FAXAGE numbers)
qtype	The query type being requested, set to one of 'check' to check if a lowspeed entry exists or 'set' to set a lowspeed entry. 'Set' also includes removing a lowspeed entry, as detailed in the optional POST variables below.

Optional POST Variables

Variable	Description
setspeed	Applies only if qtype is 'set'. Should be set to one of: none – Remove lowspeed settings low – Set to 14400 max speed lowlow – Set to 9600 max speed

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR34: setspeed must be one of low or lowlow	Set qtype was used, but setspeed is either not set or does not contain a valid value. Note, 'none' is also valid to remove a lowspeed setting

ERR35: unknown qtype or qtype not set	qtype was not set to either 'set' or 'check'
ERR36: <dst> does not appear to be one of your DIDs	Request to set a destination that is not a fax number on your FAXAGE account
Success case	For the 'check' qtype, returns one of: none – No lowspeed setting exists for src/dst low – Max speed is locked at 14400 lowlow – Max speed is locked at 9600 For the 'set' qtype, returns: Calls from <src> to <dst> set to <setspeed>
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Blacklist operation

This operation allows you to set a given source caller ID and destination fax number (one of your fax numbers) to send a busy signal when the source caller ID calls. This can be useful for blocking fax spammers or other undesired calls from coming to your account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'blacklist' (without the quotes)
cidnumber	Source caller ID number
didnumber	Destination fax number (one of your FAXAGE numbers). Can also be set to all 0's '0000000000' to block calls from the source caller ID number to every number on your account globally, including numbers added at a later time
activity	The activity being requested, one of: add – Add a blacklist entry del – Delete a blacklist entry list – List your blacklist entries NOTE: list requires only the didnumber (cidnumber is not required for list). Passing didnumber as all 0's lists all of your blacklist entries

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR59: cidnumber <cidnumber> does not appear to be valid	The passed cidnumber is not a 10-digit number
ERR60: unknown activity <activity>	Activity is not set to one of 'add', 'del' or 'list'
ERR61: didnumber	The didnumber is not either a 10-digit fax number on

<didnumber> not found or does not belong to you	your FAXAGE account or all 0's - 0000000000
ERR62: Entry for cidnumber <cidnumber> to didnumber <didnumber> already exists	The 'add' activity was used, but the requested entry to be added already exists
ERR63: Entry for cidnumber <cidnumber> to didnumber <didnumber> does not exist	The 'del' activity was used, but the requested entry to be deleted does not exist
Success case	For the 'add' activity, returns: Entry for cidnumber <cidnumber> to didnumber <didnumber> added For the 'del' activity, returns: Entry for cidnumber <cidnumber> to didnumber <didnumber> deleted For the 'list' activity, returns new-line separated records of the form: <cidnumber><tab><didnumber> For global blocks, the didnumber on the list activity will be all 0's – '0000000000'
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Donotfax operation

This operation allows you to set or un-set a given destination to be blocked for outgoing faxing from your account. NOTE: In order to use this, a list needs to be created within the FAXAGE website under 'Lists' named 'Do Not Fax'.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'donotfax' (without the quotes)
number	The number to block or un-block
activity	The activity being requested, one of: add – Add a do not fax entry del – Delete a do not fax entry

Optional POST Variables

Variable	Description
name	A name to associate with the number, only used when adding a do not fax entry
comment	A comment to associate with the number, only used when adding a do not fax entry

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
ERR29: do not fax list not found on account	A list named Do Not Fax has not been pre-created within the FAXAGE website for your account
ERR30: <number> is not on your do not fax list	Activity is set to 'del', but the requested number is not on your do not fax list
ERR31: <number> is already on your do not fax list	Activity is set to 'add', but the requested number is already on your do not fax list
Success case	For the 'del' activity, returns: <number> deleted

	For the 'add' activity, returns: <number> added
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Handlecount operation

This operation allows you to see how many incoming faxes are stored within FAXAGE and, of those, how many you have marked as handled using the handled operation.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'handlecount' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
<total-count>~<handled-count>	Success case, the total number of received faxes stored in the FAXAGE system and the number of those that you have marked as 'handled', using the handled operation
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Pendcount operation

This operation allows you to see how many outgoing faxes are currently pending to be sent on your FAXAGE account.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'pendcount' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
<pend-count>	Success case, the total number of faxes currently pending to be sent on your FAXAGE account
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Qstatus operation

This operation allows you to gather details about how your outgoing pending faxes are currently queued. When you have more than one line on your FAXAGE account, the system automatically load-levels outgoing faxes across however many lines you have. Using this operation, you can see all of your pending outgoing faxes and which line(s) they are queued on, in order to analyze how your outgoing traffic is being distributed for sending by FAXAGE.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'qstatus' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
Success case	New-line separated records, as follows: <jobid><tab><callerID><tab><destination><tab><lineid><tab><pagecount> See qstatus record definition below.
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Qstatus record definition:

Jobid – The numeric job ID associated with a given fax

CallerID – The caller ID you have requested when making the sendfax request, or your account's default if you do not set separate caller ID's for outgoing faxes

Destination – The destination fax number for this outgoing fax

LineID – Unique numeric 'line' ID. If you see more than one fax with the same LineID, that means FAXAGE has queued those faxes to the same line to be sent and one will have to wait for the other to finish before it will dial

Pagecount – The number of pages associated with a given fax

Incomingcalls operation

This operation allows you to see how many incoming calls are currently in progress to your account and how many maximum total simultaneous calls your account is currently configured to allow without sending a busy signal.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'incomingcalls' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
<incoming-count>~<allocated-count>	Success case, the total number of incoming calls in progress right now (incoming-count) and the total number your account is configured to support simultaneously (allocated-count)
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Busycalls operation

This operation allows you to see incoming calls that have experienced a busy signal because more calls were in progress at the time the call came than your account was configured to support.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'busycalls' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
No records	No busy calls instances have ever occurred on your account
Success Case	New-line separated records, formatted as follows: <number-called><tab><number-calling><tab><time> Where: Number-called – Your number that was called Number-calling – The Caller ID for the caller Time – YYYY-MM-DD HH:MM:SS format
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Portstatus operation

This operation allows you to see the status of port requests you have in progress or that have been completed with FAXAGE.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'portstatus' (without the quotes)

Optional POST Variables

None

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
Success Case	New-line separated records, formatted as follows: <number><tab><request-date><tab><due-date><tab><complete-date><tab><status><tab><comment><tab><complete> Where: Number – The number you are porting Request-date – YYYY-MM-DD date of request Due-date – YYYY-MM-DD expected completion date Complete-date – YYYY-MM-DD date actually completed 0000-00-00 for requests in progress Status – One of 'Initial', 'SOA PEND', 'Reject', 'Completed' or 'Canceled'. SOA PEND means the carrier has accepted for completion on the Due-date

	Comment – Free-form comment about the current status. FAXAGE staff enters these as ports are worked Complete – Yes or No
ERR08: Unknown operation specified or bad POST <POST contents>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

Auditlog operation

This operation allows you to retrieve audit logs for your FAXAGE account. The FAXAGE auditing system is a comprehensive system that keeps a trail of all activities within your account. See the FAXAGE Internet Fax Auditing Documentation for details as to the structure of audit logs and what data is contained within each type of auditable operation.

Required POST Variables

Variable	Description
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard coded to 'auditlog' (without the quotes)

Optional POST Variables

Variable	Description
begin	YYYY-MM-DD HH:MM:SS format. Show audit logs after this time.
end	YYYY-MM-DD HH:MM:SS format. Show audit logs before this time.
audtidgt	Show only audit logs with an audit ID greater than this. Can be used to see only audit logs newer than the last one you saw, as the Audit ID's are always ascending.
auditop	Show only the specified auditable operation (e.g.: 'sendfax')
audituser	Show only audit logs associated with a particular user. This should be set to the user's login/username
opstat	See only either success or failure audits. '1' for success, '2' for failure.

Possible Responses

Response	Meaning
ERR01: Database connection failed	Internal FAXAGE error
ERR02: Login incorrect	One or more of username, company, password is incorrect or your account is disabled for some reason
Success Case	New-line separated records, formatted as follows:

	\<audit-id\>\<tab\>\<timestamp\>\<tab\>\<login\>\<tab\>\<ip-address\>\<tab\>\<interface\>\<tab\>\<web sessid\>\<tab\>\<auditop\>\<tab\>\<opstat\>\<tab\>\<request-detail\>\<tab\>\<response-detail\> Each of the above fields is defined in detail in the Internet Fax Auditing Documentation as previously noted
ERR08: Unknown operation specified or bad POST \<POST contents\>	Either operation is not correctly hard coded or the POST was bad, the POST contents are returned for debugging purposes

URL: https://api.faxage.com/getcdr.php

The getcdr.php URL provides an interface that allows for pulling call detail records from the FAXAGE system. This can be used by service providers for generating downstream billing or by clients who wish to have realtime CDR access for internal purposes (chargeback, accounting or usage monitoring, for example).

The getcdr.php functionality works by sending an HTTPS POST to https://api.faxage.com/getcdr.php with the following variables in the POST. Example code for this URL is provided under the 'PHP' example code directory distributed with this documentation.

Required POST variables

Variable Name	Value
Username	Assigned FAXAGE username
Company	Assigned FAXAGE company credential
Password	Assigned FAXAGE password

Optional POST variables

NOTE: Although these parameters show as optional, one of the below two options ***must*** be specified (otherwise, nothing will be returned):
- Both begin and end
- 'nuidgt' (generally used in conjunction with 'nuidshow')

Variable Name	Value
begin	Timestamp in YYYY-MM-DD HH:MM:SS format from which records are to begin
end	Timestamp in YYYY-MM-DD HH:MM:SS format from which records are to end
nuidshow	Utilized with the 'nuidgt' variable, this one shows the optional numeric unique ID for each call detail record (which can then be specified using the nuidgt variable for subsequent queries). Hardcode this to '1' to use
nuidgt	Numeric unique ID for which only records greater than the value passed should be returned. Should be set to the highest prior numeric unique id that was returned, as these are always numerically incremented over time
didnumber	Set to a 10-digit DID on your account. If passed only incoming calls to the specified DID (as the dst field) will be returned.

Successful return values for the getcdr.php URL

The return record format looks like this if nuidshow is not set (begin/end are used). Records are newline-separated and comma-delimited within each record:

calldate,direction,src,dst,duration

If nuidshow is set to '1', then the format looks like this (nuid last):

calldate,direction,src,dst,duration,nuid

Where:

Nuid – Numeric unique ID

Calldate – date/time of call start in YYYY-MM-DD HH:MM:SS format

Direction – One of 'IN' for inbound calls or 'OUT' for outbound calls

Src – The 'source' of the call. Caller ID number, basically

Dst – The 'destination' of the call. For outbound, this is the dialed number and for inbound this is the receiving fax number

Duration – Billable call duration (pickup to hangup) in seconds for this call record. Note, this is the raw billable duration and is not rounded to 6 second increments

In either case, records are ascending-sorted by calldate.

Possible error responses for the getcdr.php URL

Response	Meaning
ERR01: database connection failed	Internal FAXAGE error
ERR02: login incorrect	One or more of username, company or password is invalid or the account is currently locked out

URL: https://api.faxage.com/provision.php

The provision.php URL provides an interface that allows for assigning fax numbers from the FAXAGE system to your account. All numbers are provisioned as 'virtual numbers' tied to your account. This can be used by service providers or larger clients looking to automate number provisioning for end-users.

The provision.php functionality works by sending an HTTPS POST to https://api.faxage.com/provision.php. The following are the basic modes of operation:

- 'listac' returns a list of area codes in which numbers are available for provisioning
- 'listnpanxx' returns a list of NPANXX's (first 6 digits of the phone number) in which numbers are available for provisioning
- 'listdids' returns a list of available DIDs for provisioning
- 'provdid' provisions a specific DID to your account
- 'deprovdid' de-provisions (removes) a specific DID from your account

A typical workflow (if using this for user self-signup), might be:

1. Call listac and give the user a list of area codes
2. User picks an area code
3. Call listnpanxx and give the user a list of localities within the area code they picked
4. User picks an NPANXX
5. Call listdids and give the user a list of DID's they can choose from
6. User picks a DID
7. Call provdid and provision the selected DID to your account on the user's behalf

Example code for this URL is provided under the 'PHP' example code directory distributed with this documentation. The 'listdids' and 'provdid' functions are shown in the example.

Possible error responses for the provision.php URL

These responses apply to all possible operations. Operation specific error responses and success cases are documented under each operation separately.

Response	Meaning
ERR01: database connection failed	Internal FAXAGE error
ERR02: login incorrect	One or more of username, company or password is invalid or the account is currently locked out
ERR03: unknown operation	The 'operation' variable is not specified or does have one of the valid operations as its value

The listac operation

This operation lists available area codes for provisioning.

Required POST variables

Variable Name	Value
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard code to 'listac'

Optional POST variables

None

Possible Return Values

A newline separated list of area codes in which the system has DID's available for provisioning. E.g.:

202
303
415
….

The listnpanxx operation

This operation lists NPANXX's (first six digits of a phone number) available for provisioning.

Required POST variables

Variable Name	Value
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard code to 'listnpanxx'

Optional POST variables

Variable Name	Value
ac	If passed and set to an area code, the returned npanxx list will only be for the area code passed (the default, if this variable is not passed, is to return all npanxx's available)

Possible Return Values

A list of npanxx's in which the system has DID's available for provisioning or nothing if the 'ac' value was passed and it is not an Area Code in which DID's are available.

The return records are newline separated and are in the following format:

<npanxx><tab><rcname><tab><rcstate>

Where:
npanxx – The first six digits of a telephone number
rcname – The Ratecenter name associated with this NPANXX (locality, like 'Denver' or 'San Francisco', etc.)
rcstate – The state in which the Ratecenter is located for this NPANXX

Note that for toll-free DID's, both rcname and rcstate will be 'Toll-Free'

An example returned value would be:

303991<tab>Denver<tab>CO

The listdids operation

This operation lists DID's (full telephone numbers) available for provisioning.

Required POST variables

Variable Name	Value
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard code to 'listdids'

Optional POST variables

Variable Name	Value
ac	Set to an area code (three digits), this will cause the list to only contain DIDs in the specified area code (all DIDs are returned by default)
npanxx	Set to an NPANXX (six digits), this will cause the list to only contain DIDs in the specified NPANXX (all DIDs are returned by default). Also, npanxx will override area code if both are passed, because it is more specific

Possible Return Values

A newline separated list of DIDs (full telephone numbers) available for provisioning, for example:

3035551212
3035551234
3035551111
….

The provdid operation

This operation provisions a DID (adds a telephone number to your account).

Required POST variables

Variable Name	Value
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard code to 'provdid'
didnumber	The 10-digit number to provision

Optional POST variables

None

Possible Return Values

Return Value	Meaning
ERR04: Invalid DID number, <didnumber>	The 'didnumber' variable was not set to a 10-digit number
ERR05: <didnumber> does not appear to be available	Either you have specified a DID that doesn't exist or it is already assigned to someone and is not available for provisioning
<didnumber> provisioned	This is the successful response case

The deprovdid operation

This operation de-provisions a DID (removes a telephone number from your account).

Required POST variables

Variable Name	Value
username	Assigned FAXAGE username
company	Assigned FAXAGE company credential
password	Assigned FAXAGE password
operation	Hard code to 'deprovdid'
didnumber	The 10-digit number to de-provision

Optional POST variables

None

Possible Return Values

Return Value	Meaning
ERR04: Invalid DID number, <didnumber>	The 'didnumber' variable was not set to a 10-digit number
ERR05: <didnumber> is invalid or does not belong to you	The 'didnumber' either doesn't exist or is not currently assigned to your account
<didnumber> deprovisioned	This is the successful response case