



SMTP & REST API Documentation

SMTP Quick Start Guide

The first step of getting started with your SMTP account is to contact a TotalSend agent and request your SMTP account to be created. You will need to provide a desired username, and sender email address (i.e person1234 , person@domain.com).

If you wish to use multiple sender email addresses, you will need to send those addresses to our agents to add to your list of approved senders.

We will then set up your account and provide you with the following information:

Username - This will be used to authenticate your SMTP connection.

Password - This will be used to authenticate your SMTP connection.

Approved sender email address - This is the email address your emails will be coming from and is the one you requested.

API Key - This will be used to authenticate connections to the API.

When establishing your SMTP connection, ensure that you use the following connection details:

SMTP server: smtp2.totalsend.com or 185.3.94.150

Port: [25](#)

Encryption Type: [Plain](#)

The "from" address you use must be the address that was approved by TotalSend. If its not, the mail will be accepted, but will not be sent and will be discarded.

Note: *Currently we do not support TLS encryption.*

Once you have these connection details you will be ready to start sending emails through our SMTP server.



REST API Quick Start Guide

As with any REST API, methods are called via standard HTTP or HTTPS requests, sometimes with parameters specified within the request. Methods are invoked via the standard set of REST verbs, and results are available in one of three parse-friendly formats: JSON, HTML, and XML.

To facilitate security, each invocation of the API must be accompanied by an API key unique to the account, which is assigned by the system. By default, accounts created via the website do not have API keys assigned; accounts created through the API will have an assigned key. You can generate (or re-generate) an API key for your master account or any of your sub-accounts.

The data returned is specific to the API key entered, so if you enter a sub-account's key, you receive data specific to that sub-account. With the user interface, you can generate (or re-generate) an API key from the Accounts or Integration page.

The REST API is accessed via a URL in this format:

`http://emailapi.totalsend.com/rest/RETURN-TYPE/METHOD-NAME[PARAMS]`

NOTE: The API is case sensitive. Commands and URI entries must be in lower case for your script to work.

(You can initiate a secure connection by changing "http" to "https".)

RETURN-TYPE is the requested format of the returned data.

Valid return types are:

- `html` (**NOTE:** `html` is only useful for visualizing the data and should not be used for development purposes)
- `json`
- `xml`

`METHOD-NAME[PARAMS]` is the URI of the API method you wish to use, along with a query string parameters that the method will take.



Responses

- **200** – OK
 - The action was successful.
- **202** – Duplicate query
 - A duplicate request query for the same exact information (i.e. exact same parameters) has been made while the first request is still processing. Results will be returned only to the first request.
- **451** – Missing or Invalid API Key
 - The API key is either missing or incorrect. Reconfirm the API key or, if necessary, you can generate (or regenerate) an API key from the Accounts page of the Control Panel.
- **452** – Missing or Invalid Required Fields
 - Any field marked "Required" must have an entry in the arguments section of the API request. This error could also come up if any values supplied are invalid (i.e., letters instead of numbers, invalid postback URL format, etc.).
- **453** – Object Already Exists
 - This error can come up if you try to create an account that already exists. Confirm that the email address for the new account is unique.
- **503** – Service Unavailable
 - The server is currently unavailable. It could be overloaded or down for maintenance, but this is just temporary. Try the request again in a short while.

Create and manage Approved Senders using the API.

REST Methods

NOTE: API is case sensitive. Make all parameters entries lower case. All parameters in **red** are required.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
GET	/senders	<ul style="list-style-type: none">• apikey• startindex	Retrieves a list of up to 25 Email Sub-Accounts.
GET	/senders/details	<ul style="list-style-type: none">• apikey• emailaddress	Retrieves a list of details on the specified approved sender.
GET	/senders/status	<ul style="list-style-type: none">• apikey• emailaddress	Retrieves the status of an approved sender.
POST	/senders	<ul style="list-style-type: none">• apikey• emailaddress• seeding	Create or update an Approved Sender account.
POST	/senders/dkim	<ul style="list-style-type: none">• apikey• emailaddress• dkim	Defines an Approved Sender's DKIM Selector.
POST	/senders/delete	<ul style="list-style-type: none">• apikey• emailaddress	Deletes the defined Approved Sender.

GET /senders

Retrieves a list of approved senders from your master account.

Parameters

- **apikey** – **Required.** API key of the account with the desired information.
- **startindex** – A starting index of where to begin the list approved senders.
Valid values:
0 = Default Returns first 25 approved senders. Accounts with more than 25 approved senders will only receive the first 25 if no start index is entered.

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "senders": [ { "emailaddress": "email1@domain.org" }, { "emailaddress": "email2@domain.org" }, ... ] } }
```

GET /senders/details

Retrieves a list of details on the specified approved sender.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Approved Sender's Email Address.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"ready":1}}}
```

POST /senders/status

Retrieves the status of an approved sender. This is most useful when you create a new approved sender and need to know for sure whether it is ready to use.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Approved Sender's Email Address.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"ready":1}}}
```

POST /senders

Create or update an Approved Sender account.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Approved Sender's Email Address.
- **seeding** — Indicates whether this Approved Email Sender is also approved for seeding. Seeding is used to provide insight into inbox placement. See the Email Seeding page for more information.
Valid values:
1 = Approved sender is opted into seeding
0 = Default. Approved sender is not approved for seeding.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":[]}}
```

POST /senders/dkim

Defines an Approved Sender's DKIM Selector.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Approved Sender's Email Address.
- **dkim** — Defines an Approved Sender's DKIM Selector.

Example Results (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "my-identifier._domainkey.mydomain.com": "k=rsa\\; t=y\\; p=MHwwDQYJKoZIhvcNAQ8593QADawAwaAJhAP3X49p188SrwGKsiPWU681IzUJn8hsfEHLHuRU48aliKBuv3w13A9dix56h8mdBJ0o+4DgRGhg2Egmxy4pevYyNT1t9Lrg8d9k12byWhwMo+hBgiGKRUBMUhVpVyD1LQIDAQAB", "_domainkey.mydomain.com": "t=y\\; o=~\\;"
    }
  }
}
```

POST /senders/delete

Deletes an approved sender from the account.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Approved Sender's Email Address.

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": [] } }
```




Manage and retrieve the status of your Recipients using the API.

REST Methods

NOTE: API is case sensitive. Make all parameters entries lower case. All parameters in **red** are required.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
GET	/recipient/status	<ul style="list-style-type: none">• apikey• emailaddress	Retrieves the status of the specified recipients.
POST	/recipient/activate	<ul style="list-style-type: none">• apikey• emailaddress	Updates the status of the specified recipient(s) to active which, in turn, allows them to receive email.

GET /recipient/status

Retrieves the status of the specified recipients. Valid values are active, meaning the recipient may be sent email, or inactive, meaning they have either bounced email or submitted a spam complaint.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Recipients email address.

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "recipients": [ { "emailaddress": "email1@example.net", "status": "inactive" }, { "emailaddress": "email2@example.com", "status": "active" }, { "emailaddress": "zoom3@example.com", "status": "inactive" }, ... ] } } }
```

```
{ "response": { "status": 200, "message": "OK", "data": { "recipients": [ { "emailaddress": "email1@example.net", "status": "active", "suppressionstatus": "unsuppressed" }, { "emailaddress": "bademail@nonexistent.com", "status": "inactive", "suppressionstatus": "pending removal" }, { "emailaddress": "noonehere@nonexistent.com", "status": "inactive", "suppressionstatus": "suppressed" } ] } } }
```

POST /recipient/activate

Updates the status of the specified recipient(s) to active which, in turn, allows them to receive email.

Parameters

- **apikey** — **Required.** API key of the account with the desired information.
- **emailaddress** — **Required.** Recipients email address.

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": [ ] } }
```

Send email using the API.

REST Methods

NOTE: API is case sensitive. Make all parameters entries lower case. All parameters in **red** are required.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
POST	/send	<ul style="list-style-type: none">• apikey• from• to• subject• replyto• cc• bcc• sender• messageid• inreplyto• references• comments• keywords• replyby• importance• priority• sensitivity• resent-date• resent-from• resent-sender• resent-replyto• resent-messageid• bodytext• bodyhtml• xheaders	Sends email.

POST /send

Sending Email using the API requires specific syntax for the REST API.

Parameters

- **apikey** — **Required.** API key of the account which will send the message.
- **emailaddress** — **Required.** Sender email address — This can either be an email address or a properly formatted **from** header (example: "From Name" <example@email.com>)
- **to** — **Required.** Address(es) the email will be sent **to** — This can either be an email address or a properly formatted **from** header (example: "To Name" <example@email.com>). For multiple addresses, specify a query string array like so: **to[]=first@recipient.com&to[]=second@recipient.com&to[]=etc...** Brackets are not required for a single recipient. Example: **to=only@recipient.com**. The **to** field in the email will contain all the addresses when it is sent out and will be sent to all the addresses.
- **subject** — **Required.** The subject of the email being sent.
- **replyto** — The email address for the recipient to reply to. If left blank, defaults to the **from** address. The format can either be an email address or a properly formatted from header (example: "From Name" <example@email.com>).

- **cc** – Address(es) to copy the email to – This can either be an email address or a properly formatted **cc** header (example: “cc Name” <example@email.com>). For multiple addresses, specify a query string array like so: **cc[]=first@recipient.com&cc[]=second@recipient.com&cc[]=etc...** Brackets are not required for a single recipient. Example: **cc=only@recipient.com**.
- **bcc** – Address(es) to blind copy the email to – This can either be an email address or a properly formatted **bcc** header (example: “bcc Name” <example@email.com>). For multiple addresses, specify a query string array like so: **bcc[]=first@recipient.com&bcc[]=second@recipient.com&bcc[]=etc...** Brackets are not required for a single recipient. Example: **bcc=only@recipient.com**
- **sender** – This is the email address of the agent responsible for sending the message. This is an optional header and only relevant when the ‘from’ email address is different to the ‘sender’ email address.
- **messageid** – A unique message identifier that can be passed in via the api and override the TotalSend automatically generated message id.
- **inreplyto** – One or more message identifier(s) of the original message(s) to which the current message is a reply.
- **references** – The message identifier(s) of other message(s) to which the current message may be related.
- **comments** – Additional comments about the message.
- **keywords** – A comma-separated list of important words and phrases useful for recipient.
- **replyby** – The date and time by which a reply is requested. Date-time should be in local time format such as Thu, 13 Feb 2013 23:32:54 -0330.
- **importance** – A hint from the originator on how important the message is. Can take values of either high, normal or low. Not related to transmission speed.
- **priority** – Values are either normal, urgent, or non-urgent. This header can influence transmission speed and delivery.
- **sensitivity** – How sensitive it is to disclose this message with values that can be either personal, private or company confidential.
- **resent-date** – The date and time that a message is resent in the same format as replyby.
- **resent-from** – The email address of the person who has resent the message, or on whose behalf the message has been resent.
- **resent-sender** – The email address of the person who has resent the message, if this is different from the resent-from value.
- **resent-replyto** – Resent Reply-to in the same format as the replyto header.
- **resent-messageid** – Contains a message identifier for a resent message.
- **bodytext** – The plain/text version of the email; this field may be encoded in Base64 (recommended), quoted-printable, 8-bit, or 7-bit.
NOTE: Even though bodytext and bodyhtml are both optional, at least one of them must be provided for the email to be valid.
- **bodyhtml** – The text/html version of the email; this field may be encoded in 7-bit, 8-bit, quoted-printable, or base64.
NOTE: Even though bodytext and bodyhtml are both optional, at least one of them must be provided for the email to be valid.
- **xheaders** – Any additional custom X-headers to send in the email – Pass the X-header’s name as the field name and the X-header’s value as the value (example: x-demonheader=zoom).
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: “some_xheader_value_string_here”

Please see [RFC4021](#) for further details.

Example Results = Success (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": "250 2.1.0 Ok" } }
```

Example Results = Invalid “From” Address (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": "503 5.5.1 Error: need MAIL command" } }
```

Please see [this page](#) or [PRFC 3463](#) for a list of possible codes returned here.

Manage and update your Suppression list using the API.11

REST Methods

NOTE: API is case sensitive. Make all parameters entries lower case. All parameters in **red** are required.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
GET	/suppressions	<ul style="list-style-type: none">• apikey• startdate• enddate• startindex	Returns a list of suppressed email addresses for the specified account, filtered by date range.
GET	/suppressions/count	<ul style="list-style-type: none">• apikey• startdate• enddate	Returns the total number of email addresses in the suppression list for the specified account, filtered by date range.
POST	/suppressions	<ul style="list-style-type: none">• apikey• emailaddress	Adds one or more recipients to the user's suppression list. This has the effect of preventing any email from being sent to the recipient in the future.
POST	/suppressions/activate	<ul style="list-style-type: none">• apikey• emailaddress	Removes one or more recipients from the user's suppression list.

GET /suppressions

Returns a list of suppressed email addresses for the specified account, filtered by date range.

Parameters

- **apikey** — **Required.** API key of the account with desired information.
- **startdate** — Start date/time range in full, ISO 8601 format.
- **enddate** — End date/time range in full, ISO 8601 format.
- **startindex** — Starting index value.
Valid values:
Positive whole integers, usually in 500 count increments.
Example: 501, 1001, etc.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"suppressions":[{"emailaddress":"email@domain.org","suppresstime":"2011-05-27T08:50:12+01:00"}....]}}
```

GET /suppressions/count

Returns the total number of email addresses in the suppression list for the specified account, filtered by date range.

Parameters

- **apikey** — **Required.** API key of the account with desired information.
- **startdate** — Start date/time range in full, ISO 8601 format.
- **enddate** — End date/time range in full, ISO 8601 format.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"count":"708"}}
```

POST /suppressions

Adds one or more recipients to the user's suppression list. This has the effect of preventing any email from being sent to the recipient in the future.

Parameters

- **apikey** — **Required.** API key of the account where suppressed address(es) are to be added.
- **emailaddress** — **Required.** Email address of recipient to suppress; for multiple addresses, specify a comma-delimited list of email addresses.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":[]}}
```

POST /suppressions/activate

Removes one or more recipients from the user's suppression list. This will allow you to send email to the recipient's email address again.

Parameters

- **apikey** — **Required.** API key of the account where suppressed address(es) are to be added.
- **emailaddress** — **Required.** Email address of recipient to suppress; for multiple addresses, specify a comma-delimited list of email addresses.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":[]}}
```



Retrieve metrics from your TotalSend accounts using the API.

REST Methods

NOTE: API is case sensitive. Make all parameters entries lower case. All parameters in **red** are required.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
GET	/reports/clicks	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • emailaddress • startindex • [X-HeaderName] • clicklink • [X-Header(s)] • date 	Returns a list of links clicked for the specified account within a specified date range. Including a date range is recommended.
GET	/reports/clicks/unique	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • emailaddress • startindex • [X-HeaderName] • clicklink • [X-Header(s)] • date 	Returns a list of unique links clicked for the specified account within a specified date range. Including a date range is recommended.
GET	/reports/clicks/count	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • emailaddress • domain • [X-HeaderName] 	Returns total number of links clicked for the specified account within a specified date range. Including a date range is recommended.
GET	/reports/clicks/count/unique	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • emailaddress • domain • [X-HeaderName] 	Returns total number of unique links clicked for the specified account within a specified date range.
GET	/reports/opens	<ul style="list-style-type: none"> • apikey • sender • domain • emailaddress • domain • [X-HeaderName] • startindex • stage • ip • date 	Returns a list of all email opens for the specified account within a specified date range.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
GET	/reports/opens/unique	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> • <code>count</code> • <code>sender</code> • <code>domain</code> • <code>emailaddress</code> • <code>[X-HeaderName]</code> • <code>startindex</code> • <code>date</code> 	Returns a list of unique email opens for the specified account for the specified date range.
GET	/reports/opens/count	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> • <code>sender</code> • <code>emailaddress</code> • <code>startindex</code> • <code>[X-HeaderName]</code> 	Returns total number of opens for the specified account within the specified date range.
GET	/reports/opens/count/unique	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> • <code>sender</code> • <code>emailaddress</code> • <code>[X-HeaderName]</code> 	Returns total number of unique opens for the specified account within the specified date range.
GET	/reports/issues	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> • <code>startindex</code> 	Returns a list of issues for the specified account within the specified date range.
GET	/reports/issues/count	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> 	Returns total number of issues concerning the specified account within a specified date range.
GET	/reports/complaints	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> • <code>sender</code> • <code>[X-Header(s)]</code> • <code>startindex</code> 	Returns a list of SPAM complaints received for the specified account within a specified date range, optionally filtered by sender. Including a date range is recommended.
GET	/reports/complaints/count	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> 	Returns total number of SPAM complaints that the specified account received within the specified date range, optionally filtered by sender. Including a date range is recommended.
GET	/reports/bounces	<ul style="list-style-type: none"> • <code>apikey</code> • <code>starttime</code> • <code>endtime</code> • <code>sender</code> • <code>emailaddress</code> • <code>startindex</code> • <code>noheaders</code> • <code>[X-Header Name]</code> • <code>bouncetype</code> 	Returns a list of all email bounces received for the specified account and date range, optionally filtered by sender.

VERB	RESOURCE	PARAMETERS	DESCRIPTION
GET	/reports/bounces/count	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • [X-Header Name] 	Returns the total number of email bounces for the specified account and date range, optionally filtered by sender.
GET	/reports/delivered	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • [X-Header Name] 	Returns total number of emails sent through the specified account that were successfully delivered within the specified date range, optionally filtered by sender. Including a date range is recommended.
GET	/reports/delivered/count	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • emailaddress • [X-HeaderName] 	Returns total number of unique opens for the specified account within the specified date range.
GET	/reports/sent	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • [X-Header Name] • startindex 	Returns total number of emails sent through the specified account that were successfully sent within the specified date range, optionally filtered by sender. Including a date range is recommended.
GET	/reports/sent/count	<ul style="list-style-type: none"> • apikey • starttime • endtime • sender • [X-Header Name] 	Returns the total number of emails sent through the specified account within the specified date range, optionally filtered by sender.

GET /reports/clicks

Returns a list of links clicked for the specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Parameters

- **apikey** – **Required.** key of the account with the desired information.
- **starttime** – **Required.** Start date/time range in full, ISO 8601 format.
- **endtime** – **Required.** End date/time range in full, ISO 8601 format.
- **sender** – Email address of sender for filtering. An invalid **sender** value will return a 200 OK response with an empty result.
- **emailaddress** – Email address of recipient for filtering.
- **startindex** – Starting index value (optional).

- **[X-HeaderName]** – Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"
- **[X-Header(s)]** – custom X-Header(s) included with the original email. Note that the system stores and displays up to 500 characters for each X-Header value, for reporting purposes only. X-Headers and their values are kept intact within emails that are processed and sent. **NOTE:** If an unknown x-header is provided, the value is ignored and not figured into limiting any results.
- **clicklink** – The total initial clicks of a link in an email, e.g. if a recipient clicks the same link twice in an email, TotalSend will report only one click for that recipient.
- **date** – date and time when e-mail link was clicked, in ISO 8601 format

Example Results = Success (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "clicks": [
        {
          "xheaders": [
          ],
          "emailaddress": "example@totalsend.com",
          "ip": "216.146.45.33",
          "clicklink": "http://example.com",
          "date": "2016-01-11T17:53:59+00:00"
        }
      ]
    }
  }
}
```

GET /reports/clicks/unique

Returns a list of links clicked for the specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Method returns a maximum number of 500 email addresses at a time. When the total delivered (as returned by /reports/clicks/count) is more than 500, specify the optional "starting index" parameter repeatedly, incrementing by 500 each time, until all have been retrieved.

Parameters

- **apikey** – **Required.** key of the account with the desired information.
 - **starttime** – **Required.** Start date/time range in full,
 - **endtime** – **Required.** End date/time range in full,
 - **clicklink** – The total initial clicks of a link in an email, e.g. if a recipient clicks the same link twice in an email, TotalSend will report only one click for that recipient.
 - **sender** – Email address of sender for filtering. An invalid sender value will return a 200 OK response with an empty result.
 - **emailaddress** – Email address of recipient for filtering.
 - **startindex** – Starting index value (optional).
 - **[X-HeaderName]** – Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"
- emailaddress – Email address of recipient for filtering

- **emailaddress** – Email address of recipient for filtering
- **clicklink** – The total initial clicks of a link in an email, e.g. if a recipient clicks the same link twice in an email, TotalSend will report only one click for that recipient.
- **[X-Header(s)]**– custom X-Header(s) included with the original email. Note that the system stores and displays up to 500 characters for each X-Header value, for reporting purposes only. X-Headers and their values are kept intact within emails that are processed and sent.
NOTE: If an unknown **x-header** is provided, the value is ignored and not figured into limiting any results.
- **date** – date and time when e-mail link was clicked, in ISO 8601 format.

Example Results = Success (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "clicks": [
        {
          "xheaders": [
          ],
          "emailaddress": "example@totalsend.com",
          "ip": "216.146.45.33",
          "clicklink": "http://example.com",
          "count": "1"
        }
      ]
    }
  }
}
```

GET /reports/clicks/count

Returns total number of links clicked for the specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Parameters

- **apikey** – **Required.** key of the account with the desired information.
- **starttime** – **Required.** Start date/time range in full, ISO 8601 format.
- **endtime** – **Required.** End date/time range in full, ISO 8601 format.
- **sender** – Email address of sender for filtering. An invalid **sender** value will return a 200 OK response with a count of 0.
- **emailaddress** – Email address of recipient for filtering.
- **domain** – Domain of the recipient, such as "gmail.com" or "comcast.net"
- **[X-HeaderName]** – Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"count":"5309"}}
```

GET /reports/clicks/count/unique

Returns total number of unique links clicked within a specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Parameters

- **apikey** — **Required.** key of the account with the desired information.
- **starttime** — **Required.** Start date/time range in full, ISO 8601 format.
- **endtime** — **Required.** End date/time range in full, ISO 8601 format.
- **sender** — Email address of sender for filtering. An invalid **sender** value will return a 200 OK response with a count of 0.
- **emailaddress** — Email address of recipient for filtering.
- **domain** — Domain of the recipient, such as "gmail.com" or "comcast.net"
- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "count": "5309" } } }
```

GET /reports/opens

Returns a list of all email opens for the specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Parameters

- **apikey** — **Required.** key of the account with the desired information.
- **sender** — Email address of sender for filtering. Must be on the current Approved Sender list. if using a GET request, it is best practice to encode special characters such as the "at symbol" (@). An invalid **sender** value will return a 200 OK response with an empty result.
- **domain** — domain of the recipient, such as "gmail.com" or "comcast.net".
- **emailaddress** — Email address of recipient for filtering.
- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
- **startindex** — Number indicating where to begin reporting results.
- **stage** — the engagement level of the recipient when they opened the email (seen, skimmed, read)
- **ip** — IP address of the device on which the recipient opened the email.

- **[X-Header(s)]** – custom X-Header(s) included with the original email. Note that the system stores and displays up to 500 characters for each X-Header value, for reporting purposes only. X-Headers and their values are kept intact within emails that are processed and sent.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here". If an unknown **x-header** is provided, the value is ignored and not figured into limiting any results.
- **date** – date and time the e-mail was opened, in ISO 8601 format

Example Results (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "opens": [
        {
          "ip": "123.12.65.234",
          "stage": "opened",
          "date": "2011-04-08T07:51:03-04:00",
          "emailaddress": "example@domain.com",
          ...
        }
      ]
    }
  }
}
```

GET /reports/opens/unique

Returns a list of unique email opens for the specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

NOTE: Use starttime and endtime for optimal performance. Data returned will be greater than or equal to (>=) starttime and less than (<) endtime.

Parameters

- **apikey** – **Required.** key of the account with the desired information.
- **starttime** – **Required.** Start date/time range in full, ISO 8601 format.
- **endtime** – **Required.** End date/time range in full, ISO 8601 format.
- **count** – The total initial opens of an email, e.g. if a recipient opens the same email twice, TotalSend will report only one open for that recipient.
- **sender** – Email address of sender for filtering. Must be on the current Approved Sender list. if using a GET request, it is best practice to encode special characters such as the "at symbol" (@). An invalid **sender** value will return a 200 OK response with an empty result.
- **domain** – domain of the recipient, such as "gmail.com" or "comcast.net".
- **emailaddress** – Email address of recipient for filtering.
- **[X-HeaderName]** – Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
- **startindex** – Number indicating where to begin reporting results.
- **emailaddress** – Email address of recipient for filtering.
- **[X-Header(s)]** – custom X-Header(s) included with the original email. Note that the system stores and displays up to 500 characters for each X-Header value, for reporting purposes only. X-Headers and their values are kept intact within emails that are processed and sent. If an unknown **x-header** is provided, the value is ignored and not figured into limiting any results.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"
- **date** – date and time the e-mail was opened, in ISO 8601 format

Example Results (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "opens": [
        {
          "xheaders": [
          ],
          "emailaddress": "example@totalsend.com",
          "date": "2016-01-11T17:53:09+00:00",
          "count": "1"
        }
      ]
    }
  }
}
```

GET reports/opens/count

Returns total number of opens for the specified account within a specified date range. **NOTE:** When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

NOTE: Use starttime and endtime for optimal performance. Data returned will be greater than or equal to (\geq) starttime and less than ($<$) endtime.

Parameters

- **apikey** — **Required.** key of the account with the desired information.
- **starttime** — **Required.** Start date/time in full, ISO 8601 format.
- **endtime** — **Required.** End date/time in full, ISO 8601 format.
- **sender** — Email address of sender for filtering. Must be on the current Approved Sender list. if using a GET request, it is best practice to encode special characters such as the "at symbol" (@). An invalid **sender** value will return a 200 OK response with a count of 0.
- **emailaddress** — Email address of recipient for filtering.
- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than ($>$) and lesser than ($<$) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"count":"867"}}}
```

GET /reports/opens/count/unique

Returns total number of unique opens for the specified account within a specified date range. **NOTE:** When `starttime` and `endtime` values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

NOTE: Use `starttime` and `endtime` for optimal performance. Data returned will be greater than or equal to (`>=`) `starttime` and less than (`<`) `endtime`.

Parameters

- `apikey` — **Required.** key of the account with the desired information.
- `starttime` — **Required.** Start date/time in full, ISO 8601 format.
- `endtime` — **Required.** End date/time in full, ISO 8601 format.
- `sender` — Email address of sender for filtering. Must be on the current Approved Sender list. if using a GET request, it is best practice to encode special characters such as the "at symbol" (@). An invalid `sender` value will return a 200 OK response with a count of 0.
- `emailaddress` — Email address of recipient for filtering.
- `[X-HeaderName]` — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (`<`) and lesser than (`>`) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"count":"867"}}
```

GET /reports/issues

Returns a list of issues for the specified account within a specified date range. **NOTE:** When `starttime` and `endtime` values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

NOTE: Use `starttime` and `endtime` for optimal performance. Data returned will be greater than or equal to (`>=`) `starttime` and less than (`<`) `endtime`.

Parameters

- `apikey` — **Required.** key of the account with the desired information.
- `starttime` — **Required.** Start date/time in full, ISO 8601 format.
- `endtime` — **Required.** End date/time in full, ISO 8601 format.
- `startindex` — Number indicating where to begin reporting results.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"issue":[{"emailaddress":"email@domain.org",  
"issuetime":"1381495268",  
"issue":"\From\ address not an Approved Sender"}]}}
```

GET /reports/issues/count

Returns total number of issues concerning the specified account within a specified date range. **NOTE:** When `starttime` and `endtime` values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Method returns a maximum number of 500 email addresses at a time. When the total delivered (as returned by `/reports/issues/count`) is more than 500, specify the optional "starting index" parameter repeatedly, incrementing by 500 each time, until all have been retrieved.

NOTE: Use `starttime` and `endtime` for optimal performance. Data returned will be greater than or equal to (`>=`) `starttime` and less than (`<`) `endtime`.

Parameters

- `apikey` — **Required.** key of the account with the desired information.
- `starttime` — **Required.** Start date/time in full,
- `endtime` — **Required.** End date/time in full,

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "count": "74" } } }
```

GET /reports/complaints

Returns a list of SPAM complaints received for the specified account within a specified date range, optionally filtered by sender. **NOTE:** When `starttime` and `endtime` values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

NOTE: Use `starttime` and `endtime` for optimal performance. Data returned will be greater than or equal to (`>=`) `starttime` and less than (`<`) `endtime`.

Parameters

- `apikey` — **Required.** key of the account with the desired information.
- `starttime` — **Required.** Start date/time in full, ISO 8601 format.
- `endtime` — **Required.** End date/time in full, ISO 8601 format.
- `sender` — Email address of sender for filtering. An invalid `sender` value will return a 200 OK response with an empty result.
- `[X-HeaderName]` — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (`>`) and lesser than (`<`) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"
- `startindex` — Number indicating where to begin reporting results.

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "complaints": [ { "emailaddress": "recipient@somedomain.net", "date": "2013-01-01T16:14:37+00:00", "complainttime": "2013-01-01T16:14:37+00:00", "notified": false, "notifiedtime": "1970-01-01T00:00:00+00:00", "xheaders": { "X-Sample1": "91835", "X-Type": "customer" } }, { "emailaddress": "recipient@anotherdomain.com", "date": "2013-01-04T16:09:54+00:00", "complainttime": "2013-01-04T16:09:54+00:00", "notified": false, "notifiedtime": "1970-01-01T00:00:00+00:00", "xheaders": { "X-Sample1": "91837", "X-Type": "customer" } }, { "emailaddress": "someoneelse@anotherdomain.com", "date": "2013-01-04T16:15:08+00:00", "complainttime": "2013-01-04T16:15:08+00:00", "notified": false, "notifiedtime": "1970-01-01T00:00:00+00:00", "xheaders": { "X-Sample1": "91373", "X-Type": "lead" } } ] } } }
```

GET /reports/complaints/count

Returns total number of SPAM complaints that the specified account received within a specified date range, optionally filtered by sender. NOTE: When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Method returns a maximum number of 500 email addresses at a time. When the total delivered (as returned by /reports/complaints/count) is more than 500, specify the optional "starting index" parameter repeatedly, incrementing by 500 each time, until all have been retrieved.

NOTE: Use **starttime** and **endtime** for optimal performance. Data returned will be greater than or equal to (\geq) **starttime** and less than ($<$) **endtime**.

Important Note: To greatly improve performance and response time, the "count" methods select against aggregated data, which is stored by day only. Therefore, it is best to specify date ranges with "whole" dates (i.e., no time specified or "00:00:00" for time).

Parameters

- **apikey** — **Required**. key of the account with the desired information.
- **starttime** — **Required**. Start date/time in full, ISO 8601 format.
- **endtime** — **Required**. End date/time in full, ISO 8601 format.

Example Results (JSON)

```
{"response":{"status":200,"message":"OK","data":{"count":"74"}}
```

GET /reports/bounces

Returns a list of all email bounces received for the specified account for the specified date range, optionally filtered by sender. Including a date range is highly recommended. Method returns a maximum number of 500 email addresses at a time, so when the total sent (as returned by /reports/sent/count) is more than 500, specify the optional "starting index" parameter repeatedly, incrementing by 500 each time, until all have been retrieved.

NOTE: Use **starttime** and **endtime** for optimal performance. Data returned will be greater than or equal to (\geq) **starttime** and less than ($<$) **endtime**.

Parameters

- **apikey** — **Required**. key of the account with the desired information.
- **starttime** — **Required**. Start date/time in full, ISO 8601 format.
- **endtime** — **Required**. End date/time in full, ISO 8601 format.
- **sender** — Email address of sender for filtering. An invalid **sender** value will return a 200 OK response with an empty result.
- **emailaddress** — Email address of recipient for filtering.
- **startindex** — Number indicating where to begin reporting results.
- **noheaders** — Determines whether or not headers are included in the response. Valid values: 1 = Exclude bounce header content from the response. 0 = Default. Include headers in response.
- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than ($<$) and lesser than ($>$) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

- **bouncetype** – Type of bounce for filtering. Valid Values: hard, soft, previouslyhardbounced, previouslycomplained, or suppressed.
 - **hard** – attempted delivery fatally failed.
 - **soft** – attempted delivery failed with transient, temporary, or otherwise non-fatal reason.
 - **previouslyhardbounced** – recipient had previously hard-bounced and has been added to your suppression list.
 - **previouslycomplained** – recipient had previously registered a spam complaint and has been added to your suppression list.
 - **suppressed** – recipient was manually added to the suppression list.

bouncerule – Bounce rules are a part of the **bouncetype** response. The types of bounce rules are defined below.

- **badmailbox** – non-existent recipient.
- **blockedcontent** – indicates email content has been classified as spam by the receiving email provider.
- **contentrelated** – indicates email content has been classified as spam by the receiving email provider.
- **emaildoesntexist** – non-existent recipient.
- **inactive** – recipient inactive / mailbox disabled / etc.
- **localconfigerror** – TotalSend's sending MTA has experienced an issue.
- **mailboxfull** – recipient mailbox is full
- **messagetoolarge** – total message size, including headers, exceeds the receiving email provider's allowed maximum message size.
- **notacceptingmessages** – receiving email provider is not accepting messages.
- **other**
- **overquota** – recipient mailbox is full.
- **policyrelated** – indicates email has been classified as spam by the receiving email provider.
- **previouslycomplained** – recipient previously registered a spam complaint.
- **previouslyhardbounced** – recipient previously hard-bounced.
- **relayerror** – error in transmission between TotalSend and the email provider.
- **remoteconfigerror** – a configuration problem at the receiving email provider caused delivery to fail.
- **spamrelated** – email has been classified as spam by the receiving email provider.
- **unclassifiedcode** – unknown or unclassified reason.

Example Results (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "bounces": [
        {
          "bouncetype": "hard",
          "bouncerule": "emaildoesntexist",
          "bounceemail": "email@domain.org",
          "bouncemessage": "MESSAGE_HERE",
          "bouncetime": "2004-02-12T15:19:21+00:00",
          "notified": "",
          "X-SubscriberID": "486"
        },
        ...
      ]
    }
  }
}
```

GET /reports/complaints/count

Returns the total number of email bounces for the specified account within a specified date range, optionally filtered by sender.

NOTE: Use **starttime** and **endtime** for optimal performance. Data returned will be greater than or equal to (**>=**) **starttime** and less than (**<**) **endtime**.

Important Note: To greatly improve performance and response time, the “count” methods select against aggregated data, which is stored by day only. Therefore, it is best to specify date ranges with “whole” dates (i.e., no time specified or “00:00:00” for time).

Parameters

- **apikey** – **Required.** key of the account with the desired information.
- **starttime** – **Required.** Start date/time in full, ISO 8601 format.
- **endtime** – **Required.** End date/time in full, ISO 8601 format.
- **sender** – Email address of sender for filtering. An invalid sender value will return a 200 OK response with a count of 0.

- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (>) and lesser than (<) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

Example Results (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "totalcount": "74",
      "hardbouncecount": "23",
      "softbouncecount": "12",
      "prevhardbouncecount": "39"
    }
  }
}
```

GET /reports/delivered

Returns a list of all emails sent through the specified account that were successfully delivered within a specified date range, optionally filtered by sender. When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Method returns a maximum number of 500 email addresses at a time. When the total delivered (as returned by /reports/delivered/count) is more than 500, specify the optional "starting index" parameter repeatedly, incrementing by 500 each time, until all have been retrieved.

NOTE: Use **starttime** and **endtime** for optimal performance. Data returned will be greater than or equal to (>=) **starttime** and less than (<) **endtime**.

Parameters

- **status** — Identifies the state of the HTML message. Status code #.
- **message** — Status Code explanation.
- **data** — Begins the data section of the response.
- **userid** — Numerical identifier of the authorized sender.
- **senttime** — Date and time identifying when the email was processed for sending.
- **emailaddress** — Identifies the email address where the message was sent.
- **xheaders** — Begins the custom X-header section of the response, if any.
- **startindex** — Starting index value (optional).

Example Results (JSON)

```
{
  "response": {
    "status": 200,
    "message": "OK",
    "data": {
      "delivered": [
        {
          "userid": "123456",
          "senttime": "2015-05-01T11:59:53+00:00",
          "mssenttime": "849000",
          "emailaddress": "123456@example.com",
          "xheaders": {
            "X-Member-ID": "123456",
            "X-WLD-Type-ID": "123",
            "X-WLD-Site-ID": "12345",
            "X-WLD-Messa ge-ID": "123456789ABCDEFGHIJKL.example.com"
          }
        }
      ]
    }
  }
}
```

GET /reports/delivered/count

Returns total number of emails sent through the specified account that were successfully delivered within a specified date range, optionally filtered by sender. When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

NOTE: Use **starttime** and **endtime** for optimal performance. Data returned will be greater than or equal to (\geq) **starttime** and less than ($<$) **endtime**.

Important Note: To greatly improve performance and response time, the "count" methods select against aggregated data, which is stored by day only. Therefore, it is best to specify date ranges with "whole" dates (i.e., no time specified or "00:00:00" for time).

Parameters

- **apikey** — **Required.** key of the account with the desired information.
- **starttime** — **Required.** Start date/time range in full, ISO 8601 format.
- **endtime** — **Required.** Timestamp for the end of the report.
- **sender** — Email address of sender for filtering. An invalid **sender** value will return a 200 OK response with a count of 0.
- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than ($<$) and lesser than ($>$) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "count": "74" } } }
```

GET /reports/sent

Returns a list of all emails sent through the specified account within a specified date range, optionally filtered by sender. When **starttime** and **endtime** values are not provided, they default to one month prior and the current date and time. Including a date range is highly recommended.

Method returns a maximum number of 500 email addresses at a time. When the total sent (as returned by /reports/sent/count) is more than 500, specify the optional "starting index" parameter repeatedly, incrementing by 500 each time, until all have been retrieved.

NOTE: Use **starttime** and **endtime** for optimal performance. Data returned will be greater than or equal to (\geq) **starttime** and less than ($<$) **endtime**.

Parameters

- **apikey** — **Required.** key of the account with the desired information.
- **starttime** — **Required.** Start date/time range in full, ISO 8601 format.
- **endtime** — **Required.** End date/time range in full, ISO 8601 format.
- **sender** — Email address of sender for filtering. An invalid **sender** value will return a 200 OK response with an empty result.
- **[X-HeaderName]** — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than ($<$) and lesser than ($>$) symbols in your X-Header values. A valid X-Header value looks like this: "some_xheader_value_string_here"
- **startindex** — Number indicating where to begin reporting results.

Example Results (JSON)

```
{ "response": {
  "status": 200,
  "message": "OK",
  "data": {
    "sent": [ {
      "userid": "123456",
      "senttime": "2015-05-01T11:59:53+00:00",
      "date": "2015-05-01T11:59:53+00:00",
      "emailaddress": "123456@example.com",
      "email": "123456@example.com",
      "xheaders": {
        "X-Member-ID": "123456",
        "X-WLD-Type-ID": "123", "X-WLD-Site-ID": "12345",
        "X-WLD-Message-ID": "123456789ABCDEFGHijkl.example.com"
      }
    }
  ]
}
```

GET /reports/sent/count

Returns the total number of emails sent through the specified account within a specified date range, optionally filtered by sender.

NOTE: Use `starttime` and `endtime` for optimal performance. Data returned will be greater than or equal to (`>=`) `starttime` and less than (`<`) `endtime`.

Important Note: To greatly improve performance and response time, the “count” methods select against aggregated data, which is stored by day only. Therefore, it is best to specify date ranges with “whole” dates (i.e., no time specified or “00:00:00” for time).

Parameters

- `apikey` — **Required.** key of the account with the desired information.
- `starttime` — **Required.** Start date/time range in full, ISO 8601 format.
- `endtime` — **Required.** End date/time range in full, ISO 8601 format.
- `sender` — Email address of sender for filtering. An invalid `sender` value will return a 200 OK response with count of 0.
- `[X-HeaderName]` — Name of searchable custom X-header. X-header names are in the format X-[name of header]. X-header values are the search parameter to find in the X-header field. Be sure to url-encode the search value.
NOTE: When setting X-Header values, it is important to avoid using the greater than (`<`) and lesser than (`>`) symbols in your X-Header values. A valid X-Header value looks like this: “some_xheader_value_string_here”

Example Results (JSON)

```
{ "response": { "status": 200, "message": "OK", "data": { "count": "74" } } }
```