



E-MAIL API - Documentation

Vs. 3

Overview

The Data Validation API is used to validate e-mail contact information. It provides the most advanced e-mail validation service available on the market today. Use our API to improve e-mail contacts in address books, enrich CRM information, or create highly personalized marketing campaigns.

Our API is **RESTful** and must be queried with HTTP requests. Responses are delivered in **JSON**, **XML** or **CSV** format. You will need to [sign up for a free account](#) to get an API Key and get started.

Response Codes

All successful responses are returned in **JSON**, **XML** or **CSV** depending on the response format you request. You will only be billed for queries that respond with a **200** response code, which indicates that the transaction was completed successfully.

HTTP Response Codes

200 OK	Your request processed successfully
201 Created	Resource created (Resource location provided)
400 Bad Request	Your request was malformed
401 Unauthorized	API key unauthorized action
403 Forbidden	Your API key is invalid, missing, or has exceeded its quota
404 Not Found	Resource not found
500 Internal Server Error	There was an unexpected error on our server. If you see this please contact info@datavalidation.com

Email Address Validation Status Codes

1	Invalid email address - Invalid
2	Invalid email address host name - Invalid
3	Invalid email server for this domain - Invalid
4	Invalid email address local part - Invalid
5	Email address length exceeded - Invalid
6	Email address not found - Invalid
7	Email address could not be verified - Ambiguous
8	Email address found - Valid
9	*** Domain accepts all recipients - Ambiguous
10	Domain has an email server but there is no connection to it - Ambiguous

*** E-mail server is configured to accept all recipients and may reject them at a later time.

MAKING REQUESTS

GET REQUEST

{method} {resource}/{id}.{format} HTTP/1.1

{headers}

{data}

POST/PUT REQUEST

{method} {resource}/{procedure} HTTP/1.1

{headers}

{data}

- **{method}** can be one of GET, POST, PUT, DELETE
 - **{resource}** is the resource relative uri
 - **{id}** If GET method is used, points to a specific resource
 - **{format}** If GET method is used, indicates the response data format
 - **{procedure}** Procedure name
 - **{headers}** are HTTP headers. Required headers for this api:
 - Host. Example: "**Host: dvapi.com**"
 - Apikey: "apikey:**{apikey}**"
 - Content-Type. Required if data present. This API can accept:
 - "application/json". Header value: "**Content-Type: application/json**"
 - "text/csv". Header value: "**Content-Type: text/csv**"
 - Content-Length. Required is data present
 - **{data}** is the request payload. It is only required for **POST** or **PUT** requests. Generally this will be the json-encoded data or csv-encoded data for creating/uploading objects with this API.
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VALIDATE EMAIL

REQUEST

POST email/validate HTTP/1.1 OR POST email HTTP/1.1

(this is the default procedure)

Host: dvapi.com

apikey: {apikey}

Content-Type: application/json

Content-Length: {data length}

```
{
  "settings":[],
  "emails":
  [
    {
      "email":"email_address_1@host.com",
      "custom_field_1":1,
      "custom_field_2":"custom info 1",
      "custom_field_3":"custom info 2"
    }
  ]
}
```

- settings is reserved for future properties
- you can have between 0-3 custom fields. You can customize the names of the fields also.
- {apikey} represent the client apikey provided upon registration.

RESPONSE

HTTP/1.1 201 Created

Location: <http://dvapi.com/{resource}/{id}>

- {resource} is **email** (if only 1 email validated)
- {id} represents the id of the specific resource that contains all the validation information

RETRIEVE RESULTS

REQUEST

GET {resource}/{id}.{format} HTTP/1.1

Host: dvapi.com

apikey: {apikey}

- {resource} is **email**
- {id} specific resource id
- {format} can be: **json** (default), **csv** or **xml**
- {apikey} client apikey

RESPONSE

JSON, CSV and XML

```
[
  {
    "email": "email_address_1@host.com",
    "custom_field_1": "1",
    "custom_field_2": "custom_info_1",
    "code": 8,
    "message": "Email address found",
    "smtp": "{SMTP_INFO}",
    "person_age": 25,
    "person_gender": "Male",
    "person_location": "City, State, Country"
  }
]
```

VALIDATE LIST

REQUEST

POST email/validate HTTP/1.1 OR POST email HTTP/1.1

(this is the default procedure)

Host: dvapi.com

apikey: {apikey}

Content-Type: application/json

Content-Length: {data length}

```
{
  "settings": [],
  "emails":
  [
    {
      "email": "email_address_1@host.com",
      "custom_field_1": 1,
      "custom_field_2": "custom info 1",
      "custom_field_3": "custom info 2"
    }
  ]
}
```

- Settings is reserved for future properties
- You can send between 1 and 500 emails lists for validation at once
- You can have between 0-3 custom fields. You can customize the names of the fields also.
- {apikey} represent the client apikey provided upon registration.

RESPONSE

HTTP/1.1 201 Created

Location: <http://dvapi.com/{resource}/{id}>

- {resource} is **list** (if more than 1 email validated)
 - {id} represents the id of the specific resource that contains all the validation information
-

RETRIEVE RESULTS

REQUEST

GET {resource}/{id}.{format} HTTP/1.1

Host: dvapi.com

apikey: {apikey}

- {resource} is **list**
- {id} specific resource id
- {format} can be: **json** (default), **csv** or **xml**
- {apikey} client apikey

RESPONSE

JSON, CSV and XML

```
[
  {
    "email": "email_address_1@host.com",
    "custom_field_1": "1",
    "custom_field_2": "custom_info_1",
    "code": 8,
    "message": "Email address found",
    "smtp": "{SMTP_INFO}",
    "person_age": 25,
    "person_gender": "Male",
    "person_location": "City, State, Country"
  },
  {
    "email": "email_address_2@host.com",
    "custom_field_1": "2",
    "custom_field_2": "custom_info_2",
    "code": 8,
    "message": "Email address found",
    "smtp": "{SMTP_INFO}",
    "person_age": 27,
    "person_gender": "Female",
    "person_location": "City, State, Country"
  },
  .....
]
```

How to interpret our response codes:

1	Invalid email address - Invalid
2	Invalid email address host name - Invalid
3	Invalid email server for this domain - Invalid
4	Invalid email address local part - Invalid
5	Email address length exceeded - Invalid
6	Email address not found - Invalid
7	Email address could not be verified - Ambiguous
8	Email address found - Valid
9	*** Domain accepts all recipients - Ambiguous
10	Domain has an email server but there is no connection to it - Ambiguous

*** E-mail server is configured to accept all recipients and may reject them at a later time.

Invalid Responses - 1, 2, 3, 4, 5, 6

Good/Valid Responses - 8

All emails with these code and are found email addresses and can be emailed to.

Ambiguous Responses - 7, and 10 (It basically means that the email looks good, it has valid DNS, it has a valid MX record, it even has an email server, but for a myriad of reasons it does not accept any connections to it. Could be connection refused, could be the server is down, etc).

Code 9 - Email server is configured to accept all recipients and may reject them at a later time. We do suggest to use a different IP address for code 9 in your email campaigns.