



Email Validation API Guide

The primary purpose of the Email Validation API is to validate one or many email addresses in real time.

1. Intended Audience

This guide is for an integrator/developer that is looking to integrate real time Email Validation capabilities into an existing system (e.g., Point of Sale, e-Commerce, CRM etc.)

2. Web Services Info

SSL Certificates

All communication with flexReceipts web services are done over an encrypted **TLS connection**. For performance purposes and because of the “Poodle” vulnerability with SSL v3.0, flexReceipts is optimized for TLS 1.2. The POS should use the **root certificate** and not sub certificates for api.flexreceipts.com or api-test.flexreceipts.com.

Note: Due to the “Poodle” vulnerability with SSL v3.0, flexReceipts advises the use of TLS v1.2 instead of SSL for encrypted communications.

TLS/SNI Support

You should be using a TLS implementation that supports Server Name Identification (SNI). If you do not, you could encounter certificate issues with one or more of our environments. [Contact flexReceipts if your TSL implementation does not support SNI.](#)

Web Service Authentication

flexReceipts provides the Merchant with API keys to be used as credentials for all web service requests.

Credentials must be transmitted using HTTP Basic Authentication. Depending upon the programming language used, there should be a library which makes this easy to do.

Example API Request & Response

Here is an example request/response using curl and the URL. Note that multiple email addresses can be provided via the query parameter emailAddress. **The API will require credentials via basic**



authentication.

In the below example we are requesting the validation of emails: valid@example.com, invalid@example.com, and unknown@example.com.

Request

NOTES:

- Your flexEngage representative will tell you which API URL to use for the test and production environments.
- You will need to include the API keys given to you by your flexEngage representative when calling the API.
- The call to the API is a GET request

TLS 1.1 & above

```
curl -X GET -u user:pswd -H "Accept: application/json"
```

URLs

	Legacy Environment	Current Environment
TEST	https://api-test.flexreceipts-lab.com/email-validation?emailAddress=invalid@example.com&emailAddress=valid@example.com&emailAddress=unknown@example.com	https://api-test-02.flexreceipts-lab.com/email-validation?emailAddress=invalid@example.com&emailAddress=valid@example.com&emailAddress=unknown@example.com
PROD	https://api.flexreceipts.com/email-validation?emailAddress=invalid@example.com&emailAddress=valid@example.com&emailAddress=unknown@example.com	https://api-02.flexreceipts.com/email-validation?emailAddress=invalid@example.com&emailAddress=valid@example.com&emailAddress=unknown@example.com

TLS 1.0

```
curl -X GET -u user:pswd -H "Accept: application/json"
```

	Legacy Environment	Current Environment
TEST	https://api-test-tls10.flexreceipts-lab.com/email-validation?emailAddress=invalid@example.com&emailAddress=valid@example.com&emailAddress=unknown@example.com	N/A
PROD	https://api-tls10.flexreceipts.com/email-validation?emailAddress=invalid@examp	N/A



	le.com&emailAddress=valid@example.com&emailAddress=unknown@example.com	
--	--	--

Response

HTTP/1.1 200 OK

Content-Type: application/json

```
{  
  " valid@example.com" : { "status" : "valid" },  
  " invalid@example.com" : { "status" : "invalid" },  
  " unknown@example.com" : { "status" : "unknown" }  
}
```

Email Status Codes

Below is a list of email status codes that can be returned in the API response. Emails that have a status of “valid” or “unknown” are recommended for sending emails.

- **valid** - Email address has been verified to be real and currently accepting emails
- **invalid** - Email address has been verified to be bad and is not accepting emails
- **unknown** - Email address’s status cannot be definitely determined.

3. Testing Info

flexReceipts must be notified in advance of any testing in the test environment. In order to test the API, contact your flexReceipts representative to set up a test account and coordinate testing.