



Getting started with ThreatPoint Email Verification API

The ThreatPoint Email Verification API is a rest API that delivers Email intelligence based on Email Address data aggregation, spam addresses, new addresses, breached addresses, disposable addresses and email addresses associated with malicious activity.

Score and risk elements returned:

Item	Example	Description
Date/Time	-	Date Email Address first seen by ThreatPoint
Name	test@test.co.uk	Email Address
Risk	High	Disposable Address
Source	ThreatPoint	The source of the Email data
FirstSeen	22/05/15	Date the email address was first seen by ThreatPoint or in any breach
Valid Domain	TRUE	Is the Domain Valid
Valid Email	TRUE	Is the email address valid
isBlacklisted	TRUE	Is the email a spam address
isBreached	TRUE	Has the email appeared on known breach lists
isDisposable	FALSE	Is the email address a one time use address
isFree	FALSE	Is the email a free to use address
lastSeen	19/04/12	When was the email address last seen across the consortium
lastUpdated	19/04/12	The last update to the record
riskScore	100	The overall risk score based on the available signals

All requests submitted to the Email Verification API:

- Require an API key

- Use <https://verify.threatpoint.co.uk/api/v1/resources/email?name=<emailaddress>> as the endpoint
- Use X-API-Key with the valid API key in the request header

Risk examples

The email verification risk level is a measure of the perceived risk in allowing an email address to be used to access a service. Of course email addresses is subjective depending on the business vertical and use case. The table below shows the recommend decisions based on the risk levels delivered in the response.

Risk Level	Recommendation
High	Redirect or Block
Consider	Redirect
Low	Allow

Email Address Verification API examples

curl example

```
RWs-MacBook-Pro:~ rw$ curl -i -H 'X-API-Key:xxxxxxxxxxxxx' https://verify.threatpoint.co.uk/api/v1/resources/email?name=test@test.co.uk
```

When you send the number the risk level and other elements are returned in the response:

curl results

```
[
  {
    "DateTime": "23/05/2020 10:48:39",
    "Name": "test@test.co.uk",
    "Risk": "High",
    "Source": "ThreatPoint",
    "ValidDomain": "True",
    "ValidEmail": "True",
    "firstSeen": "24/02/2020 14:16:31",
    "isBlacklisted": null,
    "isBreachd": null,
    "isDisposable": null,
    "isFree": null,
    "isRole": "True",
    "lastSeen": "23/05/2020 10:48:39",
    "lastUpdated": null,
    "riskScore": "92"
  }
]
```

Postman example

GET https://verify.threatpoint.co.uk:443/api/v1/resources/email?name=test@test.co.uk

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> name	test@test.co.uk	
Key	Value	Description

Body Cookies Headers (6) Test Results Status: 200 OK Time: 3.25 s Size: 639 B Save Response

```
1 {
2   {
3     "DateTime": "23/05/2020 10:53:58",
4     "Name": "test@test.co.uk",
5     "Risk": "High",
6     "Source": "ThreatPoint",
7     "ValidDomain": "True",
8     "ValidEmail": "True",
9     "firstSeen": "24/02/2020 14:16:31",
10    "isBlacklisted": null,
11    "isBreach": null,
12    "isDisposable": null,
13    "isFree": null,
14    "isRole": "True",
15    "lastSeen": "23/05/2020 10:53:58",
16    "lastUpdated": null,
17    "riskScore": "92"
18  }
19 }
```

If there is an issue with the request the response will provide the reason.

Error for missing or invalid API key

```
{
  "message": "ERROR: Unauthorized"
}
```

Error for invalid email address:

```
{
  "error": "Invalid email address"
}
```

Next Steps

Request an API key from ThreatPoint by emailing info@threatpoint.co.uk

Wordpress user? Download the ThreatPoint Email Validation plugin which utilises the Email Address verification API.

<https://wordpress.org/plugins/threatpoint-email-validator/>