URL Decoder API

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Overview

The URL Decoder API allows users to decode URLs which have been rewritten by TAP to their original, target URL.

API Features

Security

Each request:

- MUST use SSL.
- MUST use the HTTP POST method
- MAY use service credentials to authenticate to the API.
- MAY use the HTTP Basic Authorization method.

Standard responses

Requests to the endpoints can produce a response with a variety of HTTP status codes. The following table describes the scenarios in which these codes can be produced.

Code	Message	Scenarios
200	Success	At least one record matching the specified criteria was found and returned in the response body. In the case of JSON format, the structure is always returned, even if empty.
400	Bad Request	The request is missing a mandatory request parameter, a parameter contains data which is incorrectly formatted, or the API doesn't have enough information to determine the identity of the customer.
401	Unauthorized	There is no authorization information included in the request, the authorization information is incorrect, or the user is not authorized
429	Too Many Requests	The user has made too many requests over the past 24 hours and has been throttled.
500	Internal Server Error	The service has encountered an unexpected situation and is unable to give a better response to the request

Throttle Limits

The number of queries to this endpoint are limited by a simple, rolling 24-hour throttle per service credential. Once exceeded, the API will start returning *429 HTTP* status codes until 24 hours past the oldest request has elapsed.

Endpoint	Max Number of Requests
url/decode	1800 per 24 hours

Usage

All endpoints are available on the *tap-api-v2.proofpoint.com* host. For example, *https://tap-api-v2.proofpoint.com/v2/url/decode*

/v2/url/decode

Decodes one or more URLs. Available fields in results vary, depending on if the request is authenticated.

Required Parameters

The */v2/url/decode* API endpoint takes no GET parameters.

Required Headers

The */v2/url/decode* endpoint requires the presence of a Content-Type header with a value of *application/json.*

Required Request Body

A JSON object containing a *urls* list must be supplied:

```
{
   "urls": [
      "https://urldefense.proofpoint.com/v2/url?u=http-3A__links.mkt3337.com_ctt-3Fkn-3D3-26ms-
3DMzQ3OTg3MDQS1-26r-3DMzkxNzk3NDkwMDA0S0-26b-3D0-26j-3DMTMwMjA1ODYzNQS2-26mt-3D1-26rt-
3D0&d=DwMFaQ&c=Vxt5e0Osvvt2gflwSlsJ5DmPGcPvTRKLJyp031rXjhg&r=MujLDFBJstxoxZl_
GKbsW7wxGM7nnIK__qZvVy6j9Wc&m=QJGhloAyfD0UZ6n8r6y9dF-khNKqvRAlWDRU_K65xPI&s=ew-
rOtBFjiX1Hgv71XQJ5BEgl9TPaoWRm_Xp9Nuo8bk&e=",
      "https://urldefense.proofpoint.com/v1/url?u=http://www.bouncycastle.org/&
amp;k=oIvRg1%2BdGAgOoM1BIlLLqw%3D%3D%0A&
amp;r=IKM5u8%2B%2F%2Fi8EBhWOS%2BqGbTqCC%2BrMqWl%2FVfEAEsQO%2F0Y%3D%0A&
amp;m=Ww6iaHO73mDQpPQwOwfLfN8WMapqHyvtu8jM8SjqmVQ%3D%0A&
amp;s=d3583cfa53dade97025bc6274c6c8951dc29fe0f38830cf8e5a447723b9f1c9a",
      "https://urldefense.com/v3/__https://google.com:443/search?q=a*test&gs=ps__;Kw!-
612Flbf0JvQ3kNJkRi5Jg!Ue6tQudNKaShHg93trcdjqDP8se2ySE65jyCIe2K1D_
uNjZ1Lnf6YLQERujngZv9UWf66ujQIQ$"
   ]
}
```

Results

The API endpoint returns a JSON object containing a *urls* list. Results are in the same order as the input that was supplied. Each object in the list may contain the following fields:

Field Name	Description	Present in unauthenticated requests?	Sample Content

encodedUrl	A string, the original, rewritten URL supplied to the endpoint.	Yes	https://urldefense.proofpoint.com/v2...QLVmleE&e=
decodedUrl	A string, the target URL embedded inside the rewritten link.	Yes	https://media.mnn.com/assets/images/...crop-smart.jpg
success	A boolean, indicates whether the URL could successfully be decoded	Yes	true or false
error	A string, indicates what error occurred when attempting to decode input	Yes	Encoded URL is not a Valid V1, V2, or V3 URL
messageGuid	A string, the PPS GUID of the message which originally contained the URL.	No	rI2j92cEx_-WGPe0PK79iUuy6WLtFeQw
clusterName	A string, the name of the PPS cluster which rewrote the message.	No	acme_inbound_hosted
recipientEmail	A string, the email address of the messages' original recipient.	No	ckent@acme.zz

EXAMPLE OUTPUT

```
{
    "urls": [{
        "encodedUrl": "https://urldefense.proofpoint.com/v2/url?u=https-3A__media.mnn.com_assets_images_
2016_06_jupiter-2Dnasa.jpg.638x0-5Fq80-5Fcrop-2Dsmart.jpg&amp;d=DwMBaQ&
amp;c=Vxt5e0Osvvt2gflwSlsJ5DmPGcPvTRKLJyp031rXjhg&
amp;r=BTD8MPjq1qSLi0tGKaB5H6aCJZZBjwYkLyorZdRQrnY&amp;m=iKjixvaJuqvmReS78AB0JiActTrR_
liSq7lDRjEQ9DE&amp;s=-M8Vz-GV-kqkNVf1BAtv38DdudAHVDAI6_jQQLVmleE&amp;e=",
        "decodedUrl": "https://media.mnn.com/assets/images/2016/06/jupiter-nasa.jpg.638x0_q80_crop-smart.
jpg",
        "messageGuid": "rI2j92cEx_-WGPe0PK79iUuy6WLtFeQw",
        "clusterName": "acme_inbound_hosted",
        "recipientEmail": "ckent@acme.zz",
        "success": true
    }, {
        "encodedUrl": "https://urldefense.proofpoint.com/v1/url?u=http://www.bouncycastle.org/&
amp;k=oIvRg1%2BdGAgOoM1BIILLqw%3D%3D%0A&
amp;r=IKM5u8%2B%2F%2Fi8EBhWOS%2BqGbTqCC%2BrMqWI%2FVfEAEsQO%2F0Y%3D%0A&
amp;m=Ww6iaHO73mDQpPQwOwfLfN8WMapqHyvtu8jM8SjqmVQ%3D%0A&
amp;s=d3583cfa53dade97025bc6274c6c8951dc29fe0f38830cf8e5a447723b9f1c9a",
        "decodedUrl": "http://www.bouncycastle.org/",
```

```
            "messageGuid": "gnis92cEx_-HYea0PK79iUuy6WLt9kja",
            "clusterName": "acme_inbound_hosted",
            "recipientEmail": "dprince@acme.zz",
            "success": true
        },
        {
            "encodedUrl": "https://urldefense.com/v3/__https://google.com:443/search?q=a*test&gs=ps__;Kw!-
612Flbf0JvxQ3kNJkRi5Jg!Ue6tQudNKaShHg93trcdjqDP8se2ySE65jyCIe2K1D_
uNjZ1Lnf6YLQERujngZv9UWf66ujQIQ$",
            "decodedUrl": "https://google.com:443/search?q=a+test&gs=ps",
            "messageGuid": "fyzs92cFF_-JSUax79iUuy6WLt9lmn",
            "clusterName": "acme_inbound_hosted",
            "recipientEmail": "bwayne@acme.zz",
            "success": true
        }
    ]
}
```

Example Commands in Curl

The following commands assume that PRINCIPAL and SECRET are defined environment variables. They correspond to the service principal and secret that was created on the [Settings](#) page.

curl "https://tap-api-v2.proofpoint.com/v2/url/decode" --user "$PRINCIPAL:$SECRET" -s -H 'Content-Type: application/json' -d '{"urls":["https://urldefense.proofpoint.com/v2/url?u=http-3A__links.mkt3337.com_ctt-3Fkn-3D3-26ms-3DMzQ3OTg3MDQS1-26r-3DMzkxNzk3NDkwMDA0S0-26b-3D0-26j-3DMTMwMjA1ODYzNQS2-26mt-3D1-26rt-3D0&d=DwMFaQ&c=Vxt5e0Osvvt2gflwSlsJ5DmPGcPvTRKLJyp031rXjhg&r=MujLDFBJstxoxZI_GKbsW7wxGM7nnIK__qZvVy6j9Wc&m=QJGhloAyfD0UZ6n8r6y9dF-khNKqvRAIWDRU_K65xPI&s=ew-rOtBFjiX1Hgv71XQJ5BEgl9TPaoWRm_Xp9Nuo8bk&e=","https://urldefense.proofpoint.com/v1/url?u=http://www.bouncycastle.org/&k=oIvRg1%2BdGAgOoM1BIlLLqw%3D%3D%0A&r=IKM5u8%2B%2F%2Fi8EBhWOS%2BqGbTqCC%2BrMqWI%2FVfEAEsQO%2F0Y%3D%0A&m=Ww6iaHO73mDQpPQwOwfLfN8WMapqHyvtu8jM8SjqmVQ%3D%0A&s=d3583cfa53dade97025bc6274c6c8951dc29fe0f38830cf8e5a447723b9f1c9a"]}'

Return full results for the two supplied URLs, using service credentials to authenticate.

curl "https://tap-api-v2.proofpoint.com/v2/url/decode" -s -H 'Content-Type: application/json' -d '{"urls":["https://urldefense.proofpoint.com/v2/url?u=http-3A__links.mkt3337.com_ctt-3Fkn-3D3-26ms-3DMzQ3OTg3MDQS1-26r-3DMzkxNzk3NDkwMDA0S0-26b-3D0-26j-3DMTMwMjA1ODYzNQS2-26mt-3D1-26rt-3D0&d=DwMFaQ&c=Vxt5e0Osvvt2gflwSlsJ5DmPGcPvTRKLJyp031rXjhg&r=MujLDFBJstxoxZI_GKbsW7wxGM7nnIK__qZvVy6j9Wc&m=QJGhloAyfD0UZ6n8r6y9dF-khNKqvRAIWDRU_K65xPI&s=ew-rOtBFjiX1Hgv71XQJ5BEgl9TPaoWRm_Xp9Nuo8bk&e=","https://urldefense.proofpoint.com/v1/url?u=http://www.bouncycastle.org/&k=oIvRg1%2BdGAgOoM1BIlLLqw%3D%3D%0A&r=IKM5u8%2B%2F%2Fi8EBhWOS%2BqGbTqCC%2BrMqWI%2FVfEAEsQO%2F0Y%3D%0A&m=Ww6iaHO73mDQpPQwOwfLfN8WMapqHyvtu8jM8SjqmVQ%3D%0A&s=d3583cfa53dade97025bc6274c6c8951dc29fe0f38830cf8e5a447723b9f1c9a"]}'

Return only the decoded URL for the two supplied URLs, since no service credentials were provided.