



# **LUCY REST API**

## **documentation**

**For v4.8.2 and newer**

**August 2021**

# Table of Contents

General Information .....	4
Authentication .....	4
Resources .....	4
Language .....	5
Client .....	5
Scenario Template .....	5
Attachment Template .....	6
Awareness Template.....	6
Report Template .....	7
Campaign Template .....	7
Campaign .....	7
Campaign Errors.....	8
Campaign Event .....	9
Campaign Export.....	9
Campaign Statistics .....	9
Campaign Report .....	10
Campaign Custom Field .....	10
Scenario.....	10
Awareness.....	11
Recipient Group .....	12
Recipient .....	12
Recipient Custom Field .....	13
Victim .....	13
Awareness Certificate .....	14
Incident .....	14
Benchmark .....	15
Domain.....	15
Endpoint List .....	16
/api/auth.....	16
/api/languages .....	17
/api/clients.....	17
/api/clients/:id .....	18
/api/recipient-groups.....	19
/api/recipient-groups/:id.....	19
/api/recipient-groups/:id/recipients.....	20
/api/recipients/:id .....	21
/api/recipient-custom-fields.....	22
/api/recipient-custom-fields/:id .....	23
/api/scenario-templates .....	24
/api/scenario-templates/:id.....	24
/api/awareness-templates.....	25
/api/awareness-templates/:id .....	25

/api/attachment-templates .....	25
/api/attachment-templates/:id .....	26
/api/report-templates.....	26
/api/report-templates/:id .....	27
/api/campaigns/templates .....	27
/api/campaigns .....	27
/api/campaigns/:id.....	28
/api/campaigns/:id/recipient-groups .....	29
/api/campaigns/:id/recipient-groups/:recipient_group_id.....	30
/api/campaigns/:id/status .....	30
/api/campaigns/:id/copy .....	30
/api/campaigns/:id/stats .....	31
/api/campaigns/:id/report.....	31
/api/campaigns/:id/errors .....	31
/api/campaigns/:id/victims.....	32
/api/campaigns/victims/:victim_id/re-send/:message_type .....	32
/api/campaigns/:id/scenarios .....	32
/api/campaigns/:id/awareness.....	33
/api/campaign-custom-fields.....	34
/api/campaign-custom-fields/:id .....	35
/api/scenarios/:id.....	36
/api/scenarios/:id/recipient-groups .....	36
/api/scenarios/:id/recipient-groups/:recipient_group_id.....	37
/api/scenarios/:id/victims.....	37
/api/incidents.....	38
/api/incidents/:id .....	38
/api/export/generate.....	38
/api/awareness-certificates/generate .....	42
/api/awareness-certificates/:id.....	43
/api/awareness-certificates/download/:id.....	43
/api/benchmarks.....	44
/api/benchmarks/:id .....	45
/api/domains.....	46
/api/domains/:id .....	46

## General Information

Lucy API is a RESTful web service. The API does not keep the client's state and all requests can be performed in any order.

Some general requirements are:

- The service uses JSON as the only data interchange format, all API responses are in JSON, most request parameters are expected to be in JSON. All requests to API should have a "Content-Type" header set to "application/json".
- All requests should be performed strictly over HTTPS protocol. Plain HTTP requests to API will be rejected by server.

## Authentication

Lucy API uses JWT (JSON web tokens) for authentication. The token should be obtained by sending an Authentication request before issuing any other requests (see Authentication request description below for details).

The obtained authentication token should be specified in the "Authorization" HTTP header with "Bearer" scheme, for all subsequent requests. The only request that doesn't require authentication is the authentication request itself, all other requests require a token. Example:

```
Authorization: Bearer  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiaWF0IjoiYWRtaW4iOnRydWV9.TJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ
```

The client should store the token locally and keep it until the token expires. The expiration date and time is specified in the token header. Please check out <https://jwt.io/> for JWT token formation description and libraries for various programming languages.

## Resources

Resources are used when getting some data from Lucy API or creating/changing some objects in Lucy. Resource structure is always the same and does not depend on the type of action you do - whether you are getting information from Lucy or creating an object, the object representation doesn't change. For example, campaigns - when you get a list of campaigns or get a single campaign, the structure doesn't differ from what the server expects when you are creating a new campaign.

The only difference is links - when you are posting/putting something to API, the server does not expect any links (and ignores them if they are present in request). The links are only used for exposing relations in GET requests. For specifying relations with other existing objects in system, please use integer IDs.

## Language

```
{
  "id": int,
  "name": str,
  "default": boolean,
  "image": "/link/to/language/icon"
}
```

## Client

```
{
  "id": int,
  "name": str,
  "country": str,
  "state": str,
  "city": string,
  "address": str,
  "postcode": str,
  "website": str,
  "email": str,
  "phone": str,
  "fax": str,
  "contact": str
}
```

## Scenario Template

```
{
  "id": int,
  "created_at": datetime,
  "updated_at": datetime,
  "type": "data|file|mixed|hyperlink|malware_test|usb_attack|awareness",
  "client_id": int,
  "name": str,
  "description": str,
  "no_landing": boolean,
  "category": str,
  "audience": str,
  "message_type": "email|sms",
  "lure_message_type": "email|sms",
  "license": str,
  "license_priority": int,
  "enable": boolean,
  "forbid": boolean,

  "links": [{
    "rel": "client",
    "href": "/link/to/client"
  }, {
    "rel": "icon",
    "href": "/link/to/template/icon"
  }],
}
```

```
"languages": [{
  "id": int,
  "name": str,
  "image": "/link/to/language/icon"
  "preview": "/link/to/template/preview"
},
...
]
```

## Attachment Template

```
{
  "id": int,
  "created_at": datetime,
  "updated_at": datetime,
  "name": str,
  "enable": boolean,
  "description": str,
  "variables": [
    str
  ],
  "configurations": [
    str
  ],
  "scenarioType": "data|file|mixed|hyperlink|malware_test|usb_attack|awareness"
}
```

## Awareness Template

```
{
  "id": int,
  "created_at": datetime,
  "updated_at": datetime,
  "name": str,
  "description": str,
  "email_sender_name": str,
  "email_sender": str,
  "quiz": Boolean,
  "license": str,
  "license_priority": int,
  "enabled": Boolean,

  "links": [{
    "rel": "icon",
    "href": "/link/to/template/icon"
  }],

  "languages": [{
    "id": int,
    "name": str,
    "image": "/link/to/language/icon"
```

```
    "preview": "/link/to/template/preview"
  },
  ...
]
```

## Report Template

```
{
  "id": int,
  "name": str,

  "sections": [{
    "id": str,
    "title": str
  }
  ...
]
```

## Campaign Template

```
{
  "id": int,
  "name": str
}
```

## Campaign

```
{
  "id": int,
  "created_at": datetime,
  "started_at": datetime,
  "stopped_at": datetime,
  "client_id": int,
  "benchmark_sector_id": int,
  "name": str,
  "status": "idle|running|waiting_approval|stopped",
  "stop_date": datetime,
  "recipients": int,
  "submitted": int,
  "lure_submitted": int,
  "opened": int,
  "clicked": int,
  "succeeded": int,
  "vulnerable": int,
  "errors": int,
  "reported": int,
  "invalid_submits": int,
  "awareness_submitted": int,
  "awareness_opened": int,
```

```

"awareness_completed": int,
"awareness_average_score": float,
"awareness_average_percent": float,
"awareness_average_time": float,
"awareness_rescheduled": int,
"custom_fields": [
  str
],

"links": [{
  "rel": "client",
  "href": "/link/to/client"
}, {
  "rel": "benchmark_sector",
  "href": "/link/to/benchmark_sector"
}, {
  "rel": "awareness_template",
  "href": "/link/to/awareness_template"
}, {
  "rel": "language",
  "href": "/link/to/language"
}]

"stop_report": boolean,
"stop_report_format": "pdf|html|docx",
"stop_report_font_family": str,
"stop_report_font_size": int,
"stop_report_template": int,
"stop_report_sections": [
  int
],
"stop_report_scenarios": [
  int
],
"stop_report_email": str
}

```

## Campaign Errors

```

{
  "victim_id": int,
  "recipient_id": int,
  "name": str,
  "email": str,
  "error_text": str,
  "error_time": datetime,
  "error_type": "attack|awareness|lure"
}

```



## Campaign Event

```
{
  "type": int,
  "time": datetime,
  "event": str
}
```

- Type:
  - 1 => Campaign created
  - 2 => Campaign started
  - 3 => Campaign stopped
  - 10 => Attack scenario added
  - 11 => Attack scenario removed
  - 20 => Recipient group added
  - 21 => Recipient group removed
  - 50 => Awareness scenario added
  - 51 => Awareness Scenario removed

## Campaign Export

```
{
  "name": str,
  "type": int,
  "extension": "csv|xml",
  "status": int,
  "created_at": datetime,
  "id": int,
  "filter": str
}
```

## Campaign Statistics

```
{
  "victims": int,
  "submitted": int,
  "clicks": int,
  "success": int,
  "vulnerable": int,
  "awareness_submitted": int,
  "trained": int,
  "report": int,
  "errors": int,
  "timeline": [
    "Resource: Campaign Event",
    "Resource: Campaign Event",
    ...
  ]
}
```

## Campaign Report

```
{
  "id": int,
  "campaign_id": int,
  "status": "10|20|30|100",
  "type": "pdf|html|docx",
  "created_at": datetime,

  "links": [{
    "rel": "campaign",
    "href": "/link/to/campaign"
  }]
}
```

- Status:
  - 10 => Processing
  - 20 => Ready
  - 30 => Pending for send
  - 100 => Error

## Campaign Custom Field

```
{
  "id": int,
  "campaign_id": int,
  "name": str
}
```

## Scenario

```
{
  "id": int,
  "created_at": datetime,
  "started_at": datetime,
  "stopped_at": datetime,
  "campaign_id": int,
  "scenario_template_id": int,
  "language_id": int,
  "name": str,
  "domain": str,
  "subdomain": str,
  "full_domain": str,
  "sender_name": str,
  "sender_email": str,
  "random_email": boolean,
  "redirect_url": str,
  "collect_data": "no|partial|full",
  "login_regexp": str,
  "password_regexp": str,
  "forward_email": str,
  "message_type": "email|sms",
  "double_barrel": boolean,
}
```

```

"lure_sender_name": str,
"lure_sender_email": str,
"lure_random_email": boolean,
"lure_delay": int,
"lure_message_type": "email|sms",
"status": "idle|running",
"send_awareness_link": boolean,
"awareness_delay": int,
"no_landing": boolean,
"track_opened_emails": boolean,
"use_reply_to": boolean,
"anonymous_mode": boolean,
"success_action": "click|post|download|file_data",
"recipient_count": int,
"messages_sent": int,
"clicks": int,
"successful_attacks": int,
"vulnerable_victims": int,
"errors": int,

"links": [{
  "rel": "campaign",
  "href": "/link/to/campaign"
}, {
  "rel": "scenario_template",
  "href": "/link/to/scenario_template"
}, {
  "rel": "language",
  "href": "/link/to/language"
}]
}

```

## Awareness

```

{
  "id": int,
  "name": str,
  "campaign_id": int,
  "template_id": int,
  "language_id": int,
  "website_online": true,
  "sender_email": str,
  "sender_name": str,
  "subject": str,
  "domain": str,
  "quiz": boolean,
  "risk_level": int,
  "public_id": str,
  "website_type": 1|2,
  "course_id": int,

  "links": [{
    "rel": "campaign",
    "href": "/link/to/campaign"
  }, {

```

```

    "rel": "awareness_template",
    "href": "/link/to/awareness_template"
  }, {
    "rel": "language",
    "href": "/link/to/language"
  }
],

"scenarios": [{
  "scenario_id": int,
  "risk_level": int
},
...
]
}

```

- Website\_type:
  - 1 => Regular awareness
  - 2 => Adapt Learning

## Recipient Group

```

{
  "id": int,
  "name": str,
  "usb_attack": boolean
}

```

## Recipient

```

{
  "id": int,
  "last_tested": datetime,
  "recipient_group_id": int,
  "language_id": int,
  "email": str,
  "name": str,
  "phone": str,
  "staff_type": str,
  "location": str,
  "division": str,
  "comment": str,
  "link": str,
  "gender": str,
  "ldap_based": boolean,
  "firstname": str,
  "lastname": str,
  "objectguid": str,
  "external_id": str,

  "links": [{
    "rel": "recipient_group",
    "href": "/link/to/recipient_group"
  }, {

```

```
    "rel": "language",
    "href": "/link/to/language"
  ]

  "custom_fields": [
    str
  ]
}
```

## Recipient Custom Field

```
{
  "id": int,
  "name": str,
  "ldap_attribute": str
}
```

## Victim

```
{
  "id": int,
  "recipient_id": int,
  "lure_submitted_at": datetime,
  "submitted_at": datetime,
  "awareness_submitted_at": datetime,
  "opened_at": datetime,
  "clicked_at": datetime,
  "succeeded_at": datetime,
  "trained_at": datetime,
  "reported_at": datetime,
  "os": str,
  "browser": str,
  "ip": str,
  "proxy_ip": str,
  "country": str,
  "plugins": str,
  "clicks": int,
  "email": str,
  "name": str,
  "phone": str,
  "staff_type": str,
  "location": str,
  "division": str,
  "comment": str,
  "link": str,
  "average_quiz_score": int,
  "error": boolean,
  "error_time": datetime,
  "error_text": str,

  "links": [{
    "rel": "recipient",
    "href": "/link/to/recipient"
  }]
```

```
}]
}
```

## Awareness Certificate

```
{
  "id": int,
  "type": 1001|1002|1003,
  "format": 0|1,
  "object_id": int,
  "status": 10|20|100,
  "email": str,
  "sendTo": str,
  "error": str
}
```

- Type:
  - 1001 => Victim
  - 1002 => Recipient
  - 1003 => Campaign
- Format – format of the file:
  - 0 => PDF
  - 1 => JPG\JPEG
- Object\_id – one of the following values depending on the Type:
  - ID of victim (Type = 1001)
  - ID of campaign (Type = 1003)
  - Leave empty for Type = 1002
- Email:
  - Recipient email address => only used for Type = 1002
- Status:
  - 10 => Processing
  - 20 => Ready
  - 100 => Error

## Incident

```
{
  "id": int,
  "email": str,
  "status": "open|in_progress|dismissed|simulation|real_phishing|closed",
  "time": datetime,
  "score": float,
  "more_analysis": boolean,
  "client_id": int,
  "campaign_id": int,

  "links": [{
    "rel": "self",
    "href": "/api/incidents/:id"
  }, {
```

```
    "rel": "delete",
    "href": "/api/incidents/:id"
  }],

  "message_url": "/admin/incident/:id/message",
  "subject": str,

  "headers": [{
    "from": str,
    "ip": str,
    "by": str,
    "with": str,
    "time": str,
    "blacklisted": boolean,
    "score": float
  },
  ...
  ],

  "domains": [{
    "source": str,
    "domain": str,
    "score": float,
    "checks": [{
      "service_name": str,
      "flagged": boolean
    },
    ...
  ]
  },
  ...
  ],

  "body_analysis": [{
    "rule": str,
    "score": float
  },
  ...
  ]
}
```

## Benchmark

```
{
  "id": int,
  "name": str
}
```

## Domain

```
{
  "id": int,
  "name": str
}
```

## Endpoint List

A list below contains all endpoints exposed by Lucy API. Every endpoint corresponds to some system resource or action. If endpoint returns some system resources or expects some common resource as an input, the specification will refer to that resource using "Resource:Resource Name" mnemonic. For example, if you see "Resource:Campaign" in request/response body, that means you should refer to this document's Resources section and find the corresponding resource there.

List endpoints support 3 optional GET parameters, that you can use to implement ordering and limits:

- `sort` - column to sort by. The default sorting works in ascending order, if you wish to sort in descending order, specify a minus sign before the column name (Example: `sort=-created_at`)
- `offset` - offset results to the specified number of entries
- `limit` - max number of entries

Example:

```
GET /api/campaigns?sort=-created_at&offset=10&limit=10
```

## /api/auth

### POST

- Client authentication
- Request:

```
{
  "email": "user email",
  "password": "user password"
}
```

- Response:

```
{
  "token": "authentication token",
  "timezone": str,
  "expire": int
}
```

token => Bearer Token

timezone => current time zone configured in the system

expire => datetime in seconds since Unix Epoch when the token will expire



## /api/languages

### GET

- Get a list of languages
- Resources:
  - [Language](#)
- Response:

```
{
  "languages": [
    "Resource:Language",
    "Resource:Language",
    ...
  ]
}
```

## /api/clients

### GET

- Get a list of clients
- Resources:
  - [Client](#)
- Response:

```
{
  "clients": [
    "Resource:Client",
    "Resource:Client",
    ...
  ]
}
```

### PUT

- Create a client
- Resources:
  - [Client](#)
- Request:

```
"Resource:Client"
```

#### Mandatory fields:

- name
- Response:

```
{
  "client":
    "Resource:Client"
}
```

## /api/clients/:id

### GET

- Get client
- Resources:
  - [Client](#)
- Response:

```
{
  "client":
    "Resource:Client"
}
```

### POST

- Save client
- Resources:
  - [Client](#)
- Request:

```
"Resource:Client"
```

#### Mandatory fields:

- id
- name
- Response:

```
{
  "client":
    "Resource:Client"
}
```

### DELETE

- Delete client
- Response: N/A

## /api/recipient-groups

### GET

- Get a list of recipient groups
- Resources:
  - [Recipient Group](#)
- Response:

```
{
  "recipient_groups": [
    "Resource:Recipient Group",
    "Resource:Recipient Group",
    ...
  ]
}
```

### PUT

- Create a recipient group
- Resources:
  - [Recipient Group](#)
- Request:

```
"Resource:Recipient Group"
```

#### Mandatory fields:

- name
- usb\_attack
- Response:

```
{
  "recipient_group":
    "Resource:Recipient Group"
}
```

## /api/recipient-groups/:id

### GET

- Get recipient group
- Resources:
  - [Recipient Group](#)
- Response:

```
{
  "recipient_group":
    "Resource:Recipient Group"
}
```

## POST

- Save recipient group
- Resources:
  - [Recipient Group](#)
- Request:

```
"Resource:Recipient Group"
```

### Mandatory fields:

- Name
  - usb\_attack
- Response:

```
{  
  "recipient_group":  
    "Resource:Recipient Group"  
}
```

## DELETE

- Delete recipient group
- Response: N/A

## /api/recipient-groups/:id/recipients

## GET

- Get a list of recipients in group
- Resources:
  - [Recipient](#)
- Response:

```
{  
  "recipients": [  
    "Resource:Recipient",  
    "Resource:Recipient",  
    ...  
  ]  
}
```

## PUT

- Create a recipient
- Resources:
  - [Recipient](#)
- Request:

```
"Resource:Recipient"

OR

[
  "Resource:Recipient",
  "Resource:Recipient",
  ...
]
```

### Mandatory fields:

- name
  - email
- 
- Response:

```
{
  "recipient_group":
    "Resource:Recipient Group"
}
```

## /api/recipients/:id

## GET

- Get recipient
- Resources:
  - [Recipient](#)
- Response:

```
{
  "recipient":
    "Resource:Recipient"
}
```

## POST

- Save recipient
- Resources:
  - [Recipient](#)
- Request:

```
"Resource:Recipient"
```

Mandatory fields:

- name
- Response:

```
{  
  "recipient":  
    "Resource:Recipient"  
}
```

## DELETE

- Delete recipient
- Response: N/A

## /api/recipient-custom-fields

### GET

- Get a list of recipient custom fields
- Resources:
  - [Recipient Custom Field](#)
- Response:

```
{  
  "recipient-custom-fields": [  
    "Resource:Recipient Custom Field",  
    "Resource:Recipient Custom Field",  
    ...  
  ]  
}
```

## PUT

- Create a recipient custom field
- Resources:
  - [Recipient Custom Field](#)
- Request:

```
{
  "name": str
}
```

- Response:

```
{
  "recipient-custom-field":
    "Resource:Recipient Custom Field"
}
```

## /api/recipient-custom-fields/:id

### GET

- Get recipient custom fields
- Resources:
  - [Recipient Custom Field](#)
- Response:

```
{
  "recipient-custom-field":
    "Resource:Recipient Custom Field"
}
```

## POST

- Save recipient custom field
- Resources:
  - [Recipient Custom Field](#)
- Request:

```
"Resource:Recipient Custom Field "
```

- Response:

```
{
  "recipient-custom-field":
    "Resource:Recipient Custom Field"
}
```

## DELETE

- Delete recipient custom field
- Response: N/A

## /api/scenario-templates

### GET

- Get a list of scenario templates
- Resources:
  - [Scenario Template](#)
- Response:

```
{
  "scenario_templates": [
    "Resource:Scenario Template",
    "Resource:Scenario Template",
    ...
  ]
}
```

## /api/scenario-templates/:id

### GET

- Get scenario template
- Resources:
  - [Scenario Template](#)
- Response:

```
{
  "scenario_template":
    "Resource:Scenario Template"
}
```

## DELETE

- Delete scenario template
- Response: N/A



## /api/awareness-templates

### GET

- Get a list of awareness templates
- Resources:
  - [Awareness Template](#)
- Response:

```
{
  "awareness_templates": [
    "Resource:Awareness Template",
    "Resource:Awareness Template",
    ...
  ]
}
```

## /api/awareness-templates/:id

### GET

- Get awareness template
- Resources:
  - [Awareness Template](#)
- Response:

```
{
  "awareness_template":
    "Resource:Awareness Template"
}
```

### DELETE

- Delete awareness template
- Response: N/A

## /api/attachment-templates

### GET

- Get a list of attachment templates
- Resources:
  - [Attachment Template](#)
- Response:

```
{
  "attachment_templates": [
    "Resource:Attachment Template",
    "Resource:Attachment Template",
  ]
}
```

```
    ]
  }
  ...
}
```

## /api/attachment-templates/:id

**GET**

- Get attachment template
- Resources:
  - [Attachment Template](#)
- Response:

```
{
  "attachment_template":
    "Resource:Attachment Template"
}
```

**DELETE**

- Delete attachment template
- Response: N/A

## /api/report-templates

**GET**

- Get a list of report templates
- Resources:
  - [Report Template](#)
- Response:

```
{
  "report_templates": [
    "Resource:Report Template",
    "Resource:Report Template",
    ...
  ]
}
```

## /api/report-templates/:id

### GET

- Get report template
- Resources:
  - [Report Template](#)
- Response:

```
{
  "report_template":
    "Resource:Report Template"
}
```

## /api/campaigns/templates

### GET

- Get a list of campaign templates
- Resources:
  - [Campaign Template](#)
- Response:

```
{
  "campaigns_templates": [
    "Resource:Campaign Template",
    "Resource:Campaign Template",
    ...
  ]
}
```

## /api/campaigns

### GET

- Get a list of campaigns
- Resources:
  - [Campaign](#)
- Response:

```
{
  "campaigns": [
    "Resource:Campaign",
    "Resource:Campaign",
    ...
  ]
}
```

## PUT

- Create a campaign
- Resources:
  - [Campaign](#)
- Request:

```
"Resource: Campaign"
```

### Mandatory fields:

- name
- client\_id
- Response:

```
{  
  "campaign":  
    "Resource: Campaign"  
}
```

## /api/campaigns/:id

## GET

- Get campaign
- Resources:
  - [Campaign](#)
- Response:

```
{  
  "campaign":  
    "Resource: Campaign"  
}
```

## POST

- Save campaign
- Resources:
  - [Campaign](#)
- Request:

```
"Resource: Campaign"
```

### Mandatory fields:

- name
- client\_id
- Response:

```
{
  "campaign":
    "Resource: Campaign"
}
```

## DELETE

- Delete campaign
- Response: N/A

## /api/campaigns/:id/recipient-groups

### GET

- Get a list of recipient groups in campaign
- Resources:
  - [Recipient Group](#)
- Response:

```
{
  "recipient_groups": [
    "Resource: Recipient Group",
    "Resource: Recipient Group",
    ...
  ]
}
```

### PUT

- Add a recipient group to a campaign (recipients will be added to all scenarios in campaign)
- Resources:
  - [Recipient Group](#)
- Request:

```
{
  "id": int
}
```

- Response:

```
{
  "recipient_group":
    "Resource: Recipient Group"
}
```

## /api/campaigns/:id/recipient-groups/:recipient\_group\_id

### DELETE

- Delete recipient group from campaign
- Response: N/A

## /api/campaigns/:id/status

### POST

- Change campaign status.  
This endpoint intended to run, stop or restart a campaign; therefore it supports only POST request and only three statuses
- Resources:
  - [Campaign](#)
- Request:

```
{
  "status": "running|stopped|restart"
}
```

- Response:

```
{
  "campaign":
    "Resource: Campaign"
}
```

## /api/campaigns/:id/copy

### POST

- Copy a campaign with all scenarios.
- Resources:
  - [Campaign](#)
- Request: N/A
- Response:

```
{
  "campaign":
    "Resource: Campaign"
}
```

## /api/campaigns/:id/stats

GET

- Get campaign statistics
- Resources:
  - [Campaign Statistics](#)
- Response:

```
{
  "Resource: Campaign Statistics"
}
```

## /api/campaigns/:id/report

POST

- Create a campaign report.
- Resources:
  - [Campaign Report](#)
- Request:

```
{
  "template_id": int,
  "format": "pdf|html|docx",
  "font_size": int,
  "font_family": str,
  "scenarios": [
    int
  ],
  "sections": [
    int
  ]
}
```

- Response:

```
{
  "report":
    "Resource: Campaign Report"
}
```

## /api/campaigns/:id/errors

GET

- Get campaign errors
- Resources:
  - [Campaign Errors](#)
- Response:

```
{
  "errors": [
    "Resource: Campaign Errors",
    "Resource: Campaign Errors",
    ...
  ]
}
```

## /api/campaigns/:id/victims

GET

- Get campaign victims
- Resources:
  - [Victim](#)
- Response:

```
{
  "victims": [
    "Resource: Victim",
    "Resource: Victim",
    ...
  ]
}
```

## /api/campaigns/victims/:victim\_id/re-send/:message\_type

POST

- Resend email for the specified victim and message type
- Request:  
Possible values for "message\_type":
  - attack
  - lure
  - awareness
- Response:

```
{
  "status": "ok"
}
```

## /api/campaigns/:id/scenarios

GET

- Get a list of scenarios in campaign
- Resources:
  - [Scenario](#)
- Response:



```
{
  "scenarios": [
    "Resource:Scenario",
    "Resource:Scenario",
    ...
  ]
}
```

## PUT

- Create scenario in campaign
- Resources:
  - [Scenario](#)
- Request:

```
"Resource:Scenario"
```

### Mandatory fields:

- name
  - domain
  - language\_id
  - scenario\_template\_id
- Response:

```
{
  "scenario":
    "Resource:Scenario"
}
```

## /api/campaigns/:id/awareness

## GET

- Get a list of awareness in campaign
- Resources:
  - [Awareness](#)
- Response:

```
{
  "awareness": [
    "Resource:Awareness",
    "Resource:Awareness",
    ...
  ]
}
```

## PUT

- Create awareness in campaign
- Resources:
  - [Awareness](#)
- Request:

```
"Resource:Awareness"
```

### Mandatory fields:

- name
- domain
- language\_id
- template\_id

- Response:

```
{  
  "awareness":  
    "Resource:Awareness"  
}
```

## /api/campaign-custom-fields

### GET

- Get a list of campaign custom fields
- Resources:
  - [Campaign Custom Field](#)
- Response:

```
{  
  "campaign-custom-fields": [  
    "Resource:Campaign Custom Field",  
    "Resource:Campaign Custom Field",  
    ...  
  ]  
}
```

## PUT

- Create a campaign custom field
- Resources:
  - [Campaign Custom Field](#)
- Request:

```
{
  "campaign_id": int,
  "name": str
}
```

- Response:

```
{
  "campaign-custom-field":
    "Resource: Campaign Custom Field"
}
```

## /api/campaign-custom-fields/:id

### GET

- Get campaign custom fields
- Resources:
  - [Campaign Custom Field](#)
- Response:

```
{
  "campaign-custom-field":
    "Resource: Campaign Custom Field"
}
```

### POST

- Save campaign custom field
- Resources:
  - [Campaign Custom Field](#)
- Request:

```
"Resource: Campaign Custom Field "
```

- Response:

```
{
  "campaign-custom-field":
    "Resource: Campaign Custom Field"
}
```

## DELETE

- Delete campaign custom field
- Response: N/A

## /api/scenarios/:id

### GET

- Get scenario
- Resources:
  - [Scenario](#)
- Response:

```
{
  "scenario":
    "Resource:Scenario"
}
```

### POST

- Save scenario
- Resources:
  - [Scenario](#)
- Request:

```
"Resource:Scenario"
```

#### Mandatory fields:

- name
  - domain
  - language\_id
  - scenario\_template\_id
- Response:

```
{
  "scenario":
    "Resource:Scenario"
}
```

## /api/scenarios/:id/recipient-groups

### GET

- Get a list of recipient groups in scenario
- Resources:
  - [Recipient Group](#)
- Response:

```
{
  "recipient_groups": [
    "Resource:Recipient Group",
    "Resource:Recipient Group",
    ...
  ]
}
```

## PUT

- Add a recipient group to a scenario

- Resources:
  - [Recipient Group](#)

- Request:

```
{
  "id": int
}
```

- Response:

```
{
  "recipient_group":
    "Resource:Recipient Group"
}
```

/api/scenarios/:id/recipient-groups/:recipient\_group\_id

## DELETE

- Delete recipient group from a scenario
- Response: N/A

/api/scenarios/:id/victims

## GET

- Get scenario victims

- Resources:
  - [Victim](#)

- Response:

```
{
  "victims": [
    "Resource:Victim",
    "Resource:Victim",
    ...
  ]
}
```

## /api/incidents

### GET

- Get a list of phishing incident reports
- Resources:
  - [Incident](#)
- Response:

```
{
  "incidents": [
    "Resource:Incident",
    "Resource:Incident",
    ...
  ]
}
```

## /api/incidents/:id

### GET

- Get incident
- Resources:
  - [Incident](#)
- Response:

```
{
  "incident":
    "Resource:Incident"
}
```

### DELETE

- Delete incident
- Response: N/A

## /api/export/generate

### POST

- Export campaign data
- Resources:
  - [Campaign Export](#)
- Request:

```
{
  "name": str,
  "type": int,
}
```

```
"campaign_id": int,
"awareness_id": int,
"role_group": "admin|view|user|supervisor|enduser",
"group_id": int,
"template_id": int,
"language_id": int

"extension": "csv|xml"
}
```

Possible values in "type":

- 10 => All Victims
  - 11 => Succeeded Victims
  - 12 => Not Succeeded Victims
  - 13 => Clicked Victims
  - 14 => Started Training
  - 15 => Victims Opened Emails
  - 16 => Not Started Training
  - 17 => Completed Training
  - 20 => Downloaded File
  - 21 => Received Training Certificate
  - 22 => All Victims By Recipient Group
  - 30 => Collected Data
  - 40 => Visits
  - 41 => Scenario Visits
  - 42 => Awareness Visits
  - 50 => Quiz Answers
  - 60 => Schedule Plan
  - 80 => Campaign Comparisons
  - 90 => Campaign Benchmarks
  - 121 => Campaign Scenarios
  - 210 => Mail & Web Results
- Response:

```
{
  "export":
    "Resource: Campaign Export"
}
```

## POST

- Export campaign awareness template to SCORM package
- Resources:
  - [Campaign Export](#)
- Request:

```
{
  "name": str,
  "type": int,
```

```
"awareness_id": int,  
"extension": "csv|xml"  
}
```

Possible values in "type":

- 200 => SCORM template of Campaign Awareness

- Response:

```
{  
  "export":  
    "Resource: Campaign Export"  
}
```

## POST

- Export user SAML links
- Resources:
  - [Campaign Export](#)

- Request:

```
{  
  "name": str,  
  "type": int,  
  "role_group": "admin|view|user|supervisor|enduser",  
  "extension": "csv|xml"  
}
```

Possible values in "type":

- 400 => SAML links

- Response:

```
{  
  "export":  
    "Resource: Campaign Export"  
}
```

## POST

- Export recipients of the specified recipient group
- Resources:
  - [Campaign Export](#)

- Request:

```
{  
  "name": str,  
  "type": int,  
  "group_id": int,  
  "extension": "csv|xml"  
}
```



Possible values in "type":

- 300 => Recipients

- Response:

```
{
  "export":
    "Resource: Campaign Export"
}
```

## POST

- Export awareness template to SCORM package

- Resources:

- [Campaign Export](#)

- Request:

```
{
  "name": str,
  "type": int,
  "template_id": int,
  "language_id": int
  "extension": "csv|xml"
}
```

Possible values in "type":

- 201 => SCORM template of Awareness Template

- Response:

```
{
  "export":
    "Resource: Campaign Export"
}
```

## POST

- Export common data

- Resources:

- [Campaign Export](#)

- Request:

```
{
  "name": str,
  "type": int,
  "extension": "csv|xml"
}
```

Possible values in "type":

- 70 => System Status Log

- 100 => Clients
- 110 => Campaigns
- 120 => Scenarios
- 500 => Endusers
- 600 => Overall Recipients Statistics
- Response:

```
{
  "export":
    "Resource: Campaign Export"
}
```

## /api/awareness-certificates/generate

### POST

- Request a certificate for all victims of the campaign
- Resources:
  - [Awareness Certificate](#)
- Request:

```
{
  "type": 1003,
  "format": 0|1,
  "object_id": int
}
```

object\_id => ID of campaign

- Response:

```
{
  "awareness-certificate":
    "Resource: Awareness Certificate"
}
```

### POST

- Request a certificate for the specified victim
- Resources:
  - [Awareness Certificate](#)
- Request:

```
{
  "type": 1001,
  "format": 0|1,
  "object_id": int,
  "sendTo": str
}
```

object\_id => ID of victim

sentTo => an email address to which the certificate file will be sent

- Response:

```
{
  "awareness-certificate":
    "Resource:Awareness Certificate"
}
```

## POST

- Request a certificate for the specified recipient
- Resources:
  - [Awareness Certificate](#)
- Request:

```
{
  "type": 1002,
  "format": 0|1,
  "email": str
}
```

email => email address of the recipient

- Response:

```
{
  "awareness-certificate":
    "Resource:Awareness Certificate"
}
```

## /api/awareness-certificates/:id

### GET

- Check awareness certificate status
- Resources:
  - [Awareness Certificate](#)
- Response:

```
{
  "awareness-certificate":
    "Resource:Awareness Certificate"
}
```

## /api/awareness-certificates/download/:id

### GET

- Download the archive with awareness certificates

- Resources:
  - [Awareness Certificate](#)
- Response:

```
zip file
```

## /api/benchmarks

### GET

- Get a list of benchmarks
- Resources:
  - [Benchmark](#)
- Response:

```
{
  "benchmarks": [
    "Resource: Benchmark",
    "Resource: Benchmark",
    ...
  ]
}
```

### PUT

- Create a benchmark
- Resources:
  - [Benchmark](#)
- Request:

```
"Resource: Benchmark"
```

#### Mandatory fields:

- name
- Response:

```
{
  "benchmark":
    "Resource: Benchmark"
}
```

## /api/benchmarks/:id

### GET

- Get benchmark
- Resources:
  - [Benchmark](#)
- Response:

```
{
  "benchmark":
    "Resource: Benchmark"
}
```

### POST

- Save benchmark
- Resources:
  - [Benchmark](#)
- Request:

```
"Resource: Benchmark"
```

#### Mandatory fields:

- id
  - name
- Response:

```
{
  "benchmark":
    "Resource: Benchmark"
}
```

### DELETE

- Delete benchmark
- Response: N/A

## /api/domains

### GET

- Get a list of domains
- Resources:
  - [Domain](#)
- Response:

```
{
  "domains": [
    "Resource:Domain",
    "Resource:Domain",
    ...
  ]
}
```

### PUT

- Create a domain
- Resources:
  - [Domain](#)
- Request:

```
"Resource:Domain"
```

#### Mandatory fields:

- name
- Response:

```
{
  "domain":
    "Resource:Domain"
}
```

## /api/domains/:id

### DELETE

- Delete domain
- Response: N/A