

Canaries API

Endpoints

- v1 – API version 1
- fake – Fake API as a placeholder

Routes

- [Auth](#)
- [Domains](#)
- [Monitored sites](#)
- [Canary nodes](#)
- [Mail](#)

Auth

{endpoint}/auth/login : POST

- description: Log in and get access token
- request:
 - parameters:
 - body:

```
{
  'username': 'user',
  'password': 'secret123'
}
```

- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'token': 'JWT_ACCESSTOKEN',
  'token_type': 'bearer',
  'expires': 3600,
  'uuid': 'uuidstring',
  'permissions': ['admin'],
  'canaries': []
}
```

- response:
 - http_code: 400

- parameters:

- http_headers:

- X-RateLimit-Limit: 10
- X-RateLimit-Remaining: 7

- body:

```
{
  'code': 0,
  'message': 'Bad request',
  'details': 'Invalid credentials...'
}
```

- response:

- http_code: 429

- parameters:

- http_headers:

- X-RateLimit-Limit: 10
- X-RateLimit-Remaining: 0
- X-RateLimit-Reset: 1582480798
- Retry-After: 60

- body:

```
{
  'code': 1,
  'message': 'Rate limit exceeded',
  'retry': 60
}
```

{endpoint}/auth/logout : GET

- decription: Log user out

- request

- parameters:

- http_headers:

- Authentication: 'bearer JWT_ACCESSTOKEN'

- response:

- http_code: 200
-

{endpoint}/auth/users : GET

- decription: Get all users

- request

- parameters:

- http_headers:

- Authentication: 'bearer JWT_ACCESSTOKEN'

- request (with limit - optional): `limit=10`
 - request (with offset - optional): `offset=100`
 - request (with limit & offset): `limit=5&offset=50`
- response:
 - `http_code: 200`
 - parameters:
 - body:

```
{
  'count': 10,
  'total': 2314,
  'offset': 100,
  'users': [
    {
      'uuid': 'uuidstring1',
      'username': 'jozkomrkvicka',
      'permissions': ['admin', 'worker', ...],
      'canaries': [],
      'created_at': '2020-02-19 08:46:28',
      'updated_at': '2020-02-19 08:46:28'
    },
    {
      'uuid': 'uuidstring2',
      'username': 'peter',
      'permissions': ['worker'],
      'canaries': ['uuidstring1', 'uuidstring2', ...],
      'created_at': '2020-02-19 11:33:01',
      'updated_at': '2020-02-19 11:33:01'
    },
    ...
  ]
}
```

- response:
 - `http_code: 400`
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - `http_code: 401`
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Invalid range'
}
```

`/endpoint/auth/users/{uuid}:GET`

- decription: Get a particular user information
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - **{uuid}**: Public user identification string
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'uuid': 'uuidstring',
  'username': 'jozkomrkvicka',
  'permissions': ['admin', 'worker', ...],
  'canaries': ['uuidstring1', 'uuidstring2', ...],
  'created_at': '2020-02-19 08:46:28',
  'updated_at': '2020-02-19 08:46:28'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': '...'
}
```

/endpoint/auth/users : POST

- description: Create a new user
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - body:

```
{
  'users': [
    {
      'username': 'peter',
      'password': 'heslo',
      'permissions': ['worker', ...],
      'canaries': ['uuidstring1', 'uuidstring2', ...]
    },
    ...
  ]
}
```

- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'uuid': 'uuidstring',
  'username': 'peter',
  'permissions': ['worker', ...]
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': '...'
}
```

`{endpoint}/auth/users/{uuid}` : PUT

- decription: Update a particular user
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - **`{uuid}`**: Public user identification string
 - body:

```
{
  'username': 'peter1',
  'password': 'noveheslo',
  'permissions': {'admin': true, 'worker': false, ...},
  'canaries': ['uuidstring1', 'uuidstring2', ...]
}
```

- response:
- http_code: 200
- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': '...'
}
```

`/endpoint/auth/users/{uuid}`: DELETE

- description: Delete a particular user
- request
 - parameters:
 - http_headers:

- Authentication: 'bearer JWT_ACCESSTOKEN'
- **{uuid}**: Public user identification string
- response:
- http_code: 200
- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

{endpoint}/auth/refresh_token : GET

- description: Get new access token
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'token': 'JWT_ACCESSTOKEN',
  'token_type': 'bearer',
  'expires': 3600,
}
```

- response:
 - http_code: 400
 - parameters:

- body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:

- http_code: 401
- parameters:

- body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

Domains

{/endpoint}/domains : GET

- description: Prints all available canary domains
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - request (with limit - optional): limit=10
 - request (with offset - optional): offset=100
 - request (with limit & offset): limit=5&offset=50
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'count': 10,
  'total': 455,
  'offset': 100,
  'domains': [
    {'uuid': 'uuidstring1', 'domain':
'domainname.tld'},
    {'uuid': 'uuidstring2', 'domain': 'another.tld'},
    ...
  ]
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Invalid range'
}
```

/endpoint/domains : POST

- description: Add new domain(s)
- request:
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - body:

```
{
  'domains': [
    'domena.sk',
    ...
  ]
}
```

- response:

- http_code: 200
- parameters:
 - body:

```
{
  'domains': [
    {
      'uuid': 'uuidstring',
      'domain': 'domena.sk'
    },
    ...
  ]
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': 'Domains already exist...'
}
```

{endpoint}/domains/{uuid}: DELETE

- decription: Delete a domain

- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - {uuid}: Canary domain uuid
- response:
 - http_code: 200
- response:
 - http_code: 400
 - parameters:
 - body:

```
{  
  'code': 0,  
  'message': 'Token not provided'  
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{  
  'code': 1,  
  'message': 'Unauthorized'  
}
```

Monitored sites

/{{endpoint}}/sites : GET

- description: Prints all monitored sites
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - request (with limit - optional): limit=10
 - request (with offset - optional): offset=100
 - request (with limit & offset): limit=5&offset=50
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'count': 10,
  'total': 234,
  'offset': 100,
  'sites': [
    {'uuid': 'uuidstring1', 'site': 'facebook.com'},
    {'uuid': 'uuidstring2', 'site': 'azet.sk'},
    ...
  ]
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Invalid range'
}
```

/endpoint/sites : POST

- description: Add new site(s)
- request:
 - parameters:
 - http_headers:

- Authentication: 'bearer JWT_ACCESSTOKEN'
- body:

```
{  
  'sites': [  
    'bazos.sk',  
    ...  
  ]  
}
```

- response:

- http_code: 200
- parameters:

- body:

```
{  
  'sites': [  
    {  
      'uuid': 'uuidstring',  
      'site': 'bazos.sk'  
    },  
    ...  
  ]  
}
```

- response:

- http_code: 400
- parameters:

- body:

```
{  
  'code': 0,  
  'message': 'Token not provided'  
}
```

- response:

- http_code: 401
- parameters:

- body:

```
{  
  'code': 1,  
  'message': 'Unauthorized'  
}
```

- response:

- http_code: 400
- parameters:

- body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': 'Sites already exist...'
}
```

`/endpoint/sites/{uuid}`: DELETE

- description: Delete a site
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - {uuid}: Monitored site uuid
- response:
 - http_code: 200
- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

Canary nodes

`/endpoint/canaries`: GET

- description: Prints all canary nodes available to the user
- request
 - parameters:

- http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - request (with limit - optional): limit=10
 - request (with offset - optional): offset=100
 - request (with limit & offset): limit=5&offset=50
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'count': 10,
  'total': 11456,
  'offset': 100,
  'canaries': [
    {
      'uuid': 'uuidstring',
      'domain': 'uuidstring',
      'site': 'uuidstring',
      'assignee': 'uuidstring',
      'testing': false,
      'data': {
        'username': 'milan.paradajka',
        'password': 'hesielko123',
        'name': 'Milan',
        'surname': 'Paradajka',
        'phone': '+412 123 456 789'
      }
    },
    ...
  ]
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:


```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Invalid range'
}
```

`/endpoint/canaries/{uuid}`: GET

- description: Prints information about a particular canary node
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - {uuid}: Canary node uuid
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'uuid': 'uuidstring',
  'domain': 'uuidstring',
  'site': 'uuidstring',
  'assignee': 'uuidstring',
  'testing': false,
  'data': {
    'username': 'milan.paradajka',
    'password': 'hesielko123',
    'name': 'Milan',
    'surname': 'Paradajka',
    'phone': '+412 123 456 789',
    ...
  }
}
```

- response:
 - http_code: 400
 - parameters:

- body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:

- http_code: 401
- parameters:

- body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:

- http_code: 400
- parameters:

- body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': 'Canary does not exist...'
}
```

`{/endpoint}/canaries/{uuid}/{parameter}`: GET

- description: Gets or generates fake information for the canary node registration process
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - **`{uuid}`**: Canary node uuid
 - **`{parameter}`**: Parameter name
 - username
 - password
 - email
 - site
 - testing
 - firstname
 - lastname
 - birthday
 - sex

- address
 - phone
- response:
 - http_code: 200
 - parameters:
 - body:

```
{  
  'parameter': 'value'  
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{  
  'code': 0,  
  'message': 'Token not provided'  
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{  
  'code': 1,  
  'message': 'Unauthorized'  
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{  
  'code': 2,  
  'message': 'Bad request',  
  'details': '...'  
}
```

`/endpoint/canaries/{uuid}/{parameter}/new` : GET

- description: Re-generates fake information
- request

- parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - {uuid}: Canary node uuid
 - {parameter}: Parameter name
 - firstname
 - lastname
 - birthday
 - sex
 - address
 - phone

- response:

- http_code: 200
- parameters:

- body:

```
{
  'parameter': 'value'
}
```

- response:

- http_code: 400
- parameters:

- body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:

- http_code: 401
- parameters:

- body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:

- http_code: 400
- parameters:

- body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': '...'
}
```

/endpoint/canaries: POST

- description: Create new canary nodes
- request:
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - body:

```
{
  'domain': 'uuidstring',
  'site': 'uuidstring',
  'testing': false,
  'count': 10
}
```

- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'canaries': [
    {
      'uuid': 'uuidstring',
      'domain': 'uuidstring',
      'site': 'uuidstring',
      'assignee': 'uuidstring',
      'testing': false,
      'data': {
        'username': 'milan.paradajka',
        'password': 'hesielko123',
      }
    },
    ...
  ]
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 2,
  'message': 'Bad request',
  'details': '...'
}
```

`/endpoint/canaries/{uuid}`: DELETE

- description: Delete a canary node
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - **{uuid}**: Canary node uuid
- response:
 - http_code: 200
- response:
 - http_code: 400
 - parameters:
 - body:

```
{
  'code': 0,
  'message': 'Token not provided'
}
```

- response:
 - http_code: 401
 - parameters:
 - body:

```
{
  'code': 1,
  'message': 'Unauthorized'
}
```

Mail

{endpoint}/mail/{uuid}: GET

- description: Prints all e-mails received by a particular canary account
- request
 - parameters:
 - http_headers:
 - Authentication: 'bearer JWT_ACCESSTOKEN'
 - {uuid}: Canary node uuid
 - request (with limit - optional): limit=10
 - request (with offset - optional): offset=100
 - request (with limit & offset): limit=5&offset=50
- response:
 - http_code: 200
 - parameters:
 - body:

```
{
  'count': 3,
  'total': 3,
  'offset': 0,
  'emails': [
    {
      'uuid': 'uuidstring',
      'from': 'sender@domain.tld',
      'subject': 'message subject',
      'body': 'raw body'
    },
    ...
  ]
}
```

- response:
 - http_code: 400

- parameters:

- body:

```
{  
  'code': 0,  
  'message': 'Token not provided'  
}
```

- response:

- http_code: 401

- parameters:

- body:

```
{  
  'code': 1,  
  'message': 'Unauthorized'  
}
```

- response:

- http_code: 400

- parameters:

- body:

```
{  
  'code': 2,  
  'message': 'Invalid range'  
}
```