

Canaries API

Endpoints

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

Routes

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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",
  "details": "..."}
}
```

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

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

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

- description: 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",
  "details": "...
}
```

- 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:

```
{
  "users": [
    {
      "username": "peter",
      "permissions": ["worker"],
      "canaries": ["uuidstring1", "uuidstring2"],
      "uuid": "uuidstring",
      "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",
  "details": "..."
}
```

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

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

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

- description: 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}
}
```

- 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",
  "details": "...
}
```

- 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",
  "details": "..."}
}
```

{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",
  "details": "..."
}
```

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",
      "created_at": "2020-02-19 08:46:28",
      "updated_at": "2020-02-19 08:46:28"
    },
    {
      "uuid": "uuidstring2",
      "domain": "another.tld",
      "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",
  "details": "..."
}
```

- 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",
      "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",
  "details": "..."
```

- response:

- http_code: 400

- parameters:

- body:

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

/endpoint/domains/{uuid}: DELETE

- description: 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",
  "details": "..."}
}
```

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",
      "created_at": "2020-02-19 08:46:28",
      "updated_at": "2020-02-19 08:46:28"
    },
    {
      "uuid": "uuidstring2",
      "site": "azet.sk",
      "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",
  "details": "..."
}
```

- 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",
      "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",
  "details": "..."
}
```

- 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",
  "details": "..."
}
```

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"  
    },  
    "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",  
  "details": "..."  
}
```

- 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"
  },
  "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",
  "details": "..."}

```

- 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",
  "details": "..."
}
```

- 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",  
  "details": "..."  
}
```

- response:

- http_code: 400
- parameters:

- body:

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

- 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",
      },
      "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",
  "details": "..."
```

- 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",
  "details": "..."}
}
```

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",
      "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",
  "details": "...
}
```

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

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