

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:
 - `body: {
 'code': 0,
 'message': 'Bad request',
 'details': 'User does not exist...'
}`
- response:

- http_code: 429
 - parameters:
 - body: {
 'code': 1,
 'message': 'Rate limit exceeded',
 'retry': 3600
}
-

/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'
 - body (with limit - optional): {'limit': 10}
 - body (with offset - optional): {'offset': 100}
 - body (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': []
 },
 {
 'uuid': 'uuidstring2',
 'username': 'peter',

```

        'permissions': ['worker'],
        'canaries': ['uuidstring1', 'uuidstring2',
...
    },
    ...
]
}

```

- 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', ...]
 }

```
- 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**

- decription: 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**

- 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, ...},
'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'
    - body (with limit - optional): {'limit': 10}
    - body (with offset - optional): {'offset': 100}
    - body (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**

- 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'
```
- 

## Monitored sites

### /endpoint/sites : GET

- description: Prints all monitored sites
- request
  - parameters:
    - http\_headers:
      - Authentication: 'bearer JWT\_ACCESSTOKEN'
    - body (with limit - optional): {'limit': 10}
    - body (with offset - optional): {'offset': 100}
    - body (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`**

- decription: 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'
    - body (with limit - optional): {'limit': 10}
    - body (with offset - optional): {'offset': 100}
    - body (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: 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` : 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
 - body (with limit – optional): {'limit': 10}
 - body (with offset – optional): {'offset': 100}
 - body (with limit & offset): {'limit': 5, 'offset': 50}
- response:
 - http_code: 200
 - parameters:
 - body: {
 'count': 3,
 'total': 3,
 'offset': 0,
 'emails': [
 {
 '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'
}