# Canaries API

## Endpoints

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

## Routes

* [Auth](#route-auth)
* [Domains](#route-domains)
* [Monitored sites](#route-sites)
* [Canary nodes](#route-canaries)
* [Mail](#route-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

* 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

* decription: 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

* decription: 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

* 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'
    - 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

* decription: 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'  
      }