

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

- description: Log user out

- request

- parameters:

- http_headers:

- Authentication: "bearer JWT_ACCESSTOKEN"

- response:

- http_code: 200
-

{endpoint}/auth/users : GET

- description: 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

- 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"
 - 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"  
}
```