FastAPI   0.1.0   OAS 3.1

/openapi.json

default   ⋀

| GET   /   Read Root   ⋀ |

Parameters   `Cancel`

No parameters

| Execute | Clear |

Responses

Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/' \
  -H 'accept: application/json'
```

Request URL

```
http://127.0.0.1:8000/
```

Server response

Code	Details
200	**Response body**

```
{
  "message": "root endpoint"
}
```
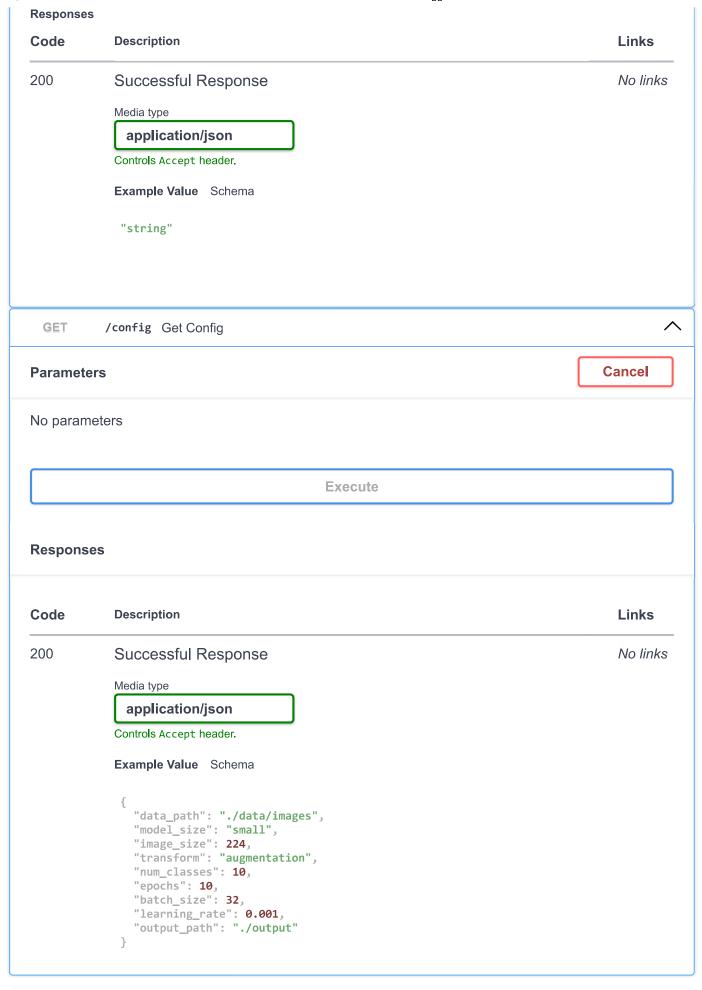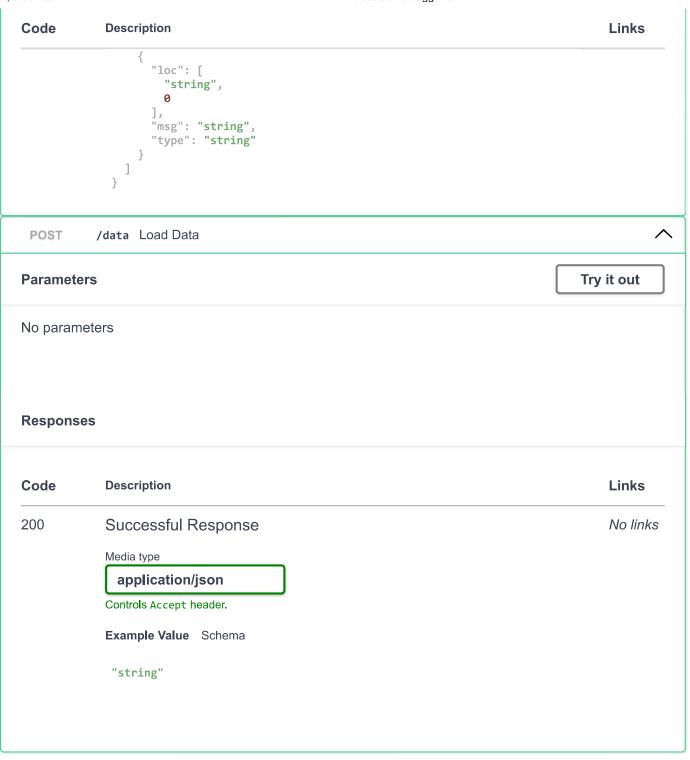   Download
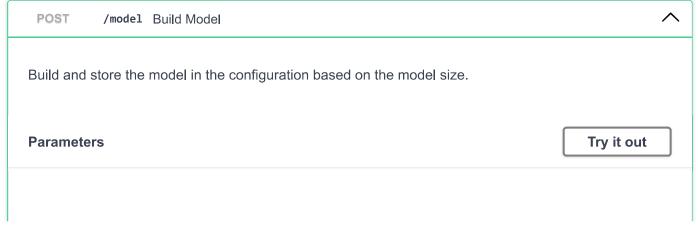
Response headers

```
content-length: 27
content-type: application/json
date: Sun,17 Nov 2024 10:03:38 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
"string"
```

GET   `/config` Get Config   ⌃

Parameters   Cancel

No parameters

Execute

Responses

Code	Description	Links
200	Successful Response	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```json
{
  "data_path": "./data/images",
  "model_size": "small",
  "image_size": 224,
  "transform": "augmentation",
  "num_classes": 10,
  "epochs": 10,
  "batch_size": 32,
  "learning_rate": 0.001,
  "output_path": "./output"
}
```

POST   `/config` Update Config   ∧

Parameters

[Try it out]

No parameters

Request body required   [application/json]

Example Value   Schema

```
{
  "data_path": "./data/images",
  "model_size": "small",
  "image_size": 224,
  "transform": "augmentation",
  "num_classes": 10,
  "epochs": 10,
  "batch_size": 32,
  "learning_rate": 0.001,
  "output_path": "./output"
}
```

Responses

Code	Description		Links
200	Successful Response		*No links*

Media type

[**application/json**]

Controls `Accept` header.

Example Value   Schema

```
"string"
```

422	Validation Error	*No links*

Media type

[**application/json**]

Example Value   Schema

```
{
  "detail": [
```

Code	Description	Links

```
                {
                  "loc": [
                    "string",
                    0
                  ],
                  "msg": "string",
                  "type": "string"
                }
              ]
            }
```

POST   **/data**   Load Data   ∧

Parameters   [Try it out]

No parameters

Responses

Code	Description	Links
200	Successful Response	*No links*

Media type

[**application/json**]

Controls `Accept` header.

Example Value   Schema

```
"string"
```

POST   **/model**   Build Model   ∧

Build and store the model in the configuration based on the model size.

Parameters   [Try it out]

Name	Description

pretr
`boolean`
`(query)`
	Default value : true

<div>

true

</div>

Responses

Code	Description	Links
200	**Successful Response** Media type application/json Controls `Accept` header. **Example Value** Schema `"string"`	*No links*
422	**Validation Error** Media type application/json **Example Value** Schema	*No links*

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

POST   `/model/save`   Save Model   ∧

Save the current model to the output path specified in the configuration.

Parameters   Try it out

No parameters

Responses

Code	Description	Links
200	**Successful Response**	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

"string"

POST   `/model/load`   Load Model   ⌃

Load a model from the output path specified in the configuration.

Parameters   Try it out

No parameters

Responses

Code	Description	Links
200	**Successful Response**	*No links*

Media type

application/json

Controls `Accept` header.

Code	Description	Links

Example Value   Schema

```
"string"
```

POST   **/train**   Train   ⌃

Parameters | Try it out |

No parameters

Responses

Code	Description	Links
200	Successful Response	*No links*

Media type

| **application/json** |

Controls `Accept` header.

Example Value   Schema

```
"string"
```

GET   **/status**   Status   ⌃

Parameters | Try it out |

No parameters

Responses

Code	Description	Links
200	Successful Response	No links

Media type

```
application/json
```

Controls `Accept` header.

Example Value   Schema

```
"string"
```

POST   `/saliency` Generate Saliency   ⌃

Parameters

<div style="text-align:right">

Try it out

</div>

Name	Description

image_path * required
`string`
(query)

```
image_path
```

target_class
`integer`
(query)

Default value : 0

```
0
```

Responses

Code	Description	Links
200	Successful Response	No links

Media type

```
application/json
```

Controls `Accept` header.

Example Value   Schema

```
"string"
```

Code	Description		Links

422   Validation Error   *No links*

Media type

application/json

Example Value   Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

POST   **/inference** Inference   ∧

Perform inference on a single image and return the predicted class.

Parameters   Try it out

Name	Description

image_path * required

string

(query)

image_path

Responses

Code	Description		Links

200   Successful Response   *No links*

Media type

application/json

Controls Accept header.

Code	Description	Links

Example Value   Schema

```
    "string"
```

422   Validation Error   *No links*

Media type

```
application/json
```

Example Value   Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

Schemas   ∧

Config ∧   Collapse all   **object**

  data_path* ∧   Collapse all   **string**

    Path to the dataset folder

    Example   `"./data/images"`

  model_size* ∧   Collapse all   **string**

    Model size: 'small' or 'large'

    Example   `"small"`

  image_size* ∧   Collapse all   **integer**

    Size of the input images (square dimensions)

    Example   `224`

  transform ∧   Collapse all   **string**

    Data augmentation strategy: 'augmentation' or None

    Example   `"augmentation"`

  num_classes* ∧   Collapse all   **integer**

    Number of output classes

Example `10`

epochs* ^   Collapse all   `integer`

Number of training epochs

Example `10`

batch_size* ^   Collapse all   `integer`

Batch size for training

Example `32`

learning_rate* ^   Collapse all   `number`

Learning rate for the optimizer

Example `0.001`

output_path* ^   Collapse all   `string`

Directory to save trained models and outputs

Example `"./output"`

HTTPValidationError ^   Collapse all   `object`

detail ^   Collapse all   `array<object>`

Items ^   Collapse all   `object`

loc* ^   Collapse all   `array<(string | integer)>`

Items ^   Collapse all   `(string | integer)`

Any of ^   Collapse all   `(string | integer)`

#0 `string`

#1 `integer`

msg* `string`

type* `string`

ValidationError ^   Collapse all   `object`

loc* ^   Collapse all   `array<(string | integer)>`

Items ^   Collapse all   `(string | integer)`

Any of ^   Collapse all   `(string | integer)`

#0 `string`

#1 `integer`

msg* `string`

type* `string`