Swagger Weather - OpenAPI 3.0 `1.0.11` `OAS3`

/static/openapi.json

This is a Weather data Server based on the OpenAPI 3.0 specification. This is the first iteration of the weather api.

Some useful links:

- The weather data repository
- The source repo for the weather ingestion/analysis
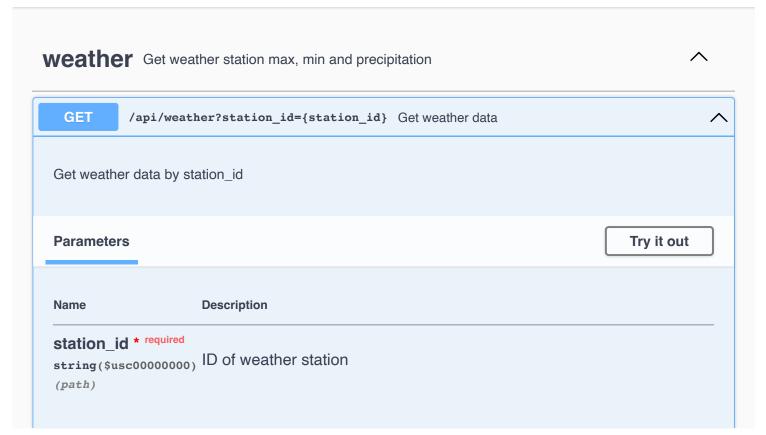
Terms of service

Contact the developer

Apache 2.0

Find out more about weather data

Servers

http://localhost:5000 ⌄

weather Get weather station max, min and precipitation ⌃

GET	/api/weather?station_id={station_id} Get weather data	⌃

Get weather data by station_id

Parameters   `Try it out`

Name	Description
station_id * required string($usc00000000) *(path)*	ID of weather station

Name	Description
	station_id

Responses

Code	Description	Links
200	Successful operation	No links

Media type

application/json ▾

Controls `Accept` header.

Example Value | Schema

```
{
    "maxtemp": 22.33,
    "mintemp": 122.33,
    "precipitation": 0,
    "date": 20130101
}
```

Code	Description	Links
400	Invalid Station ID supplied	No links
404	Station ID not found	No links
405	Validation exception	No links

GET `/api/weather?station_id={station_id}&date={date}` Get weather data   ⌄

Get weather data by station_id

Parameters   **Cancel**

Name	Description

station_id *** required**
string($usc00000000)
(path)

ID of weather station

> usc00121425

date *** required**
string($YYYYMMDD)
(path)

Date of weather data

> 19990101

Execute	Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:5000/api/weather?station_id=usc00121425&date=19990101' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:5000/api/weather?station_id=usc00121425&date=19990101
```

Server response

Code	Details
200	**Response body**

```
{
  "date": "1999-01-01",
  "maxtemp": -56,
  "mintemp": -167,
  "precipitation": 0
}
```

Download

Response headers

```
connection: close
content-length: 92
content-type: application/json
date: Thu,16 Feb 2023 05:35:45 GMT
server: Werkzeug/2.2.3 Python/3.9.6
```

Responses

Code	Description	Links
200	Successful operation	*No links*

Media type

application/json ⌄

Controls `Accept` header.

Example Value | Schema

```
{
  "maxtemp": 22.33,
  "mintemp": 122.33,
  "precipitation": 0,
  "date": 20130101
}
```

Code	Description	Links
400	Invalid Station ID supplied	*No links*
404	Station ID not found	*No links*
405	Validation exception	*No links*

weather_stats   Get weather station avg_maxtemp, avg_mintemp and total_precipitation for every year   ⌄

GET   `/api/weather/stats?station_id={station_id}` Get weather data   ⌄

Get weather data by station_id

Parameters   Try it out

Name	Description

station_id * required
`string($uscXXXXXXXX)`
`(path)`
	ID of weather station
	
	[station_id]

Responses

Code	Description	Links
200	Successful operation	No links

Media type

application/json ⌄

Controls `Accept` header.

Example Value | Schema

```
{
  "avg_maxtemp": 22.33,
  "avg_mintemp": 122.33,
  "total_precipitation": 0,
  "year_dt": 2013
}
```

Code	Description	Links
400	Invalid Station ID supplied	No links
404	Station ID not found	No links
405	Validation exception	No links

GET `/api/weather/stats?station_id={station_id}&date={date}` Get weather data ⌃

Get weather data by station_id

Parameters   **Cancel**

Name	Description
station_id * required `string($uscXXXXXXXX)` *(path)*	ID of weather station

Name	Description

usc00121425

date * required
`string($YYYY)`
(path)

Date of weather data

2000

Execute	Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:5000/api/weather/stats?station_id=usc00121425&date=2000' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:5000/api/weather/stats?station_id=usc00121425&date=2000
```

Server response

Code	Details
200	**Response body**

```
{
  "avg_maxtemp": -839.1584699453551,
  "avg_mintemp": -983.4945355191256,
  "total_precipitation": -1192514,
  "year_dt": "2000"
}
```

Download

Response headers

```
connection: close
content-length: 135
content-type: application/json
date: Thu,16 Feb 2023 05:36:05 GMT
server: Werkzeug/2.2.3 Python/3.9.6
```

Responses

Code	Description	Links
200	Successful operation	*No links*

Code	Description	Links

Media type

application/json ⌄

Controls `Accept` header.

Example Value | Schema

```
{
  "avg_maxtemp": 22.33,
  "avg_mintemp": 122.33,
  "total_precipitation": 0,
  "year_dt": 2013
}
```

400	Invalid Station ID supplied	No links
404	Station ID not found	No links
405	Validation exception	No links

Schemas ⌃

weather ⌄ {

maxtemp*	number($float64) *example: 22.33* **maximum temp in weather data**	
mintemp*	number($float64) *example: 122.33* **minimum temp in weather data**	
precipitation*	number($float64) *example: 0*	
date*	integer($int64) *example: 20130101*	

}

weatherstats ⌄ {
    avg_maxtemp*   **number**(\$float64)
                                    example: 22.33
                                    maximum temp in weather data

    avg_mintemp*   **number**(\$float64)
                                      example: 122.33
                                      minimum temp in weather data

    total_precipitation* **number**(\$float64)
                                    example: 0
    year_dt*   **integer**(\$int64)
                                    example: 2013

}