Weather Data API (Global) - Common Specification

Item	Content
Data	Global Weather Data
Protocol	REST
Request Format	URI Paramater(GET)
Response Format	JSON
SSL Support	Supported
Usage limitation	The maximum number of requests per month depends on the plan.
Authentication	API key
Information	https://weather-jwa.jp/service/en/weather_api
Terms of Service	Sent by e-mail

Weather Data API (Global) - Detailed Common Specification

API key

To access the API, two API keys must be put in the request header.

If two API keys are not put, erros will occur and the requested data will not be returned.

request header	value
apikey	{APIkey}
x-api-key	{APIkey}

Example of command: curl https://******/v2/XXXXXX.json -H "apikey:[APIKEY]" -H "x-api-key:[X-API-KEY]"

Content-Type of Response Header

application/json;charset=UTF-8

Limitation on Number of Calls

The API has a limit on the number of requests.

If the number of requests exceeds the limit, the requested data will not be returned, resulting in a 429 error code. [429 Too Many Requests].

requests/second	requests/day
Depends on system performance	Depends on contract terms

Response Data

Item		Type	Notes
metadata	author	character	"Japan Weather Association"
	title	character	API name
	detail	character	Result of request
	parameter	character	Requested parameter
	rusult_set	integer number	Number of data in response area
results			Refer to each API document

Error

API errors will be indicated in the status of the response header status and message (message).

Response header	Response body	Description
status	message	
401	Invalid authentication credentials	When user authentication fails
403	You cannot consume this service	When user authentication has been performed but there is no permission to access the API, or when the API key is invalid
404	Not Found	When the URL is incorrect
429	Too many requests	When there is a limit on the number of requests and the limit is exceeded
502	An invalid response was received from the upstream server	When API server malfunction

Example of Error Response

{"message": "Not Found" }