ccess to free weather and geo data via a JSON/XML restful API. It allows developers
mobile applications using this data very easy.

rough our API:

Data

days ahead)

and above) (New)

rprise only)

API

rprise)

) (New)

(New)

you can find your API key under [your account](#), and start using API right away!

interactive [API Explorer](#) or use [Swagger Tool](#).

framework/languages [available on Github for quick integrations](#).

her field to return in the API response? Change it from [API response fields](#).

ing or have any suggestions, please [contact us](#).

API access to the data is protected by an API key. If at anytime, you find the API key has become vulnerable, please regenerate the key using Regenerate button next to the API key.

erAPI.com API is provided by passing your API key as request parameter through an

API consists of base url and API method. You can make both HTTP or HTTPS request

[api.com/v1](api.com/v1)

	API Method
	/current.json or /current.xml
	/forecast.json or /forecast.xml
	/search.json or /search.xml
	/history.json or /history.xml
	/alerts.json or /alerts.xml
	/marine.json or /marine.xml
	/future.json or /future.xml
	/timezone.json or /timezone.xml
	/sports.json or /sports.xml
	/astronomy.json or /astronomy.xml
	/ip.json or /ip.xml

	Description
ired	API Key

weather
api

		• Latitude and Longitude (Decimal degree) e.g: q=48.8567,2.3508 • city name e.g.: q=Paris • US zip e.g.: q=10001 • UK postcode e.g: q=SW1 • Canada postal code e.g: q=G2J • metar:<metar code> e.g: q=metar:EGLL • iata:<3 digit airport code> e.g: q=iata:DXB • auto:ip IP lookup e.g: q=auto:ip • IP address (IPv4 and IPv6 supported) e.g: q=100.0.0.1 • By ID returned from Search API. e.g: q=id:2801268 • bulk (New)
	...red only with forecast API ...od.	Number of days of forecast required. days parameter value ranges between 1 and 14. e.g: days=5 If no days parameter is provided then only today's weather is returned.
	...ict date output for Forecast ...History API method.	For history API 'dt' should be on or after 1st Jan, 2010 in yyyy-MM-dd format (i.e. dt=2010-01-01) For forecast API 'dt' should be between today and next 14 day in yyyy-MM-dd format (i.e. dt=2010-01-01) For future API 'dt' should be between 14 days and 300 days from today in the future in yyyy-MM-dd format (i.e. dt=2023-01-01)
	...Timestamp used by ...cast and History API ...od.	unixdt has same restriction as 'dt' parameter. Please either pass 'dt' or 'unixdt' and not both in same request. e.g.: unixdt=1490227200
	...ict date output for History ...ethod.	For history API 'end_dt' should be on or after 1st Jan, 2010 in yyyy-MM-dd format (i.e. dt=2010-01-01) 'end_dt' should be greater than 'dt' parameter and difference should not be more than 30 days between the two dates. **Only works for API on Pro plan and above.**
	...Timestamp used by History ...ethod.	unixend_dt has same restriction as 'end_dt' parameter. Please either pass 'end_dt' or 'unixend_dt' and not both in same request. e.g.: unixend_dt=1490227200

(Optional) alerts	Disable alerts in forecast API ut	alerts=yes or alerts=no
	le/Disable Air Quality data ecast API output	aqi=yes or aqi=no
	le/Disable Pollen data in me, forecast, future and y API output	pollen=yes or pollen=no
	le/Disable Tide data in e API output	tides=yes or tides=no
	5 min interval data for ast and History API. able for Enterprise clients	tp=15
	field names as comma rated which should be ned in the current element.	current_fields=temp_c,wind_mph
	field names as comma rated which should be ned in the Forecast or y API day element.	day_fields=temp_c,wind_mph
	field names as comma rated which should be ned in the Forecast or y API hour element.	hour_fields=temp_c,wind_mph
	le solar irradiance data in y API. Available for prise clients only.	solar=yes
	le Evapotranspiration data ecast and History API. able for Business and prise clients only.	et0=yes
	le wind data and return speed in mph at 100mt t in History API. Available terprise clients only.	wind100mph=yes
	le wind data and return speed in kmph at 100mt t in History API. Available terprise clients only.	wind100kph=yes

Language	lang code
Arabic	ar
Bengali	bn
Bulgarian	bg
Chinese Simplified	zh
Chinese Traditional	zh_tw
Czech	cs
Danish	da
Dutch	nl
Finnish	fi
French	fr
German	de
Greek	el
Hindi	hi
Hungarian	hu
Italian	it
Japanese	ja
Javanese	jv
Korean	ko
Mandarin	zh_cmn
Marathi	mr
Polish	pl
Portuguese	pt
Punjabi	pa
Romanian	ro
Russian	ru
Serbian	sr
Sinhalese	si
Slovak	sk

~~Swedish~~	~~sv~~
Tamil	ta
Telugu	te
Turkish	tr
Ukrainian	uk
Urdu	ur
Vietnamese	vi
Wu (Shanghainese)	zh_wuu
Xiang	zh_hsn
Yue (Cantonese)	zh_yue
Zulu	zu

_ith each API response. It is actually the matched location for which the information

the location including geo points, name, region, country and time zone information

omplete API following fields are NOT returned tz_id, localtime_epoch and localtime.

Data Type	Description
decimal	Latitude in decimal degree
decimal	Longitude in decimal degree
string	Location name
string	Region or state of the location, if availa
string	Location country
string	Time zone name
int	Local date and time in unix time
string	Local date and time

Forecast API and Alerts API returns alerts and warnings issued by government agencies (USA, UK, Europe and Rest of the World) as an array if available for the location provided through the Forecast API and Alerts API.

rned. To get alerts back in the response from Forecast API, pass the parameter

be in local language of the location.

	Data Type	Description
	string	Alert headline
	string	Type of alert
	string	Severity of alert
	string	Urgency
	string	Areas covered
	string	Category
	string	Certainty
	string	Event
	string	Note
	date	Effective
	string	Expires
	string	Description
	string	Instruction

lerts

weather
api

```json
{
    "headline":"Flood Warning issued January 05 at 9:47PM EST until January 07 at 6:15AM EST by NWS",
    "msgtype":"Alert",
            ",
          ,
      xington; Richland",

        ,
      ng",
    lhoun; Lexington; Richland (South Carolina) Issued by the National Weather Service",
    -05T21:47:00-05:00",
    7T06:15:00-05:00",
     Warning continues for the following rivers in South\nCarolina...\nCongaree River At
    ichland, Calhoun\nand Lexington Counties.\nCongaree River At Congaree National Park-
    nd Richland Counties.\nNorth Fork Edisto River At Orangeburg affecting Orangeburg
    g is now in effect until Thursday morning...\nThe Flood Warning continues for\nthe
    astman.\n* Until Thursday morning.\n* At 9:28 PM EST Tuesday the stage was 115.6
    0 feet.\n* Minor flooding is occurring and minor flooding is forecast.\n* Recent
     stage in the 24 hours ending\nat 9:28 PM EST Tuesday was 118.2 feet.\n*
    se to 115.7 feet just after midnight\ntonight. It will then fall below flood stage
    eet and begin rising again tomorrow evening. It will rise\nto 114.3 feet early
    en fall again and\nremain below flood stage.\n* Impact...At 115.0 feet, Flooding
     the\nCarolina Eastman Facility and at the Congaree National Park.\n* Flood
    s to a previous crest of 116.3\nfeet on 12/03/2020.\n&&",
    od Warning means that flooding is imminent or occurring. All\ninterested parties
    tions immediately.\nMotorists should not attempt to drive around barricades or
    areas.\nCaution is urged when walking near riverbanks.\nAdditional information is
    .\nThe next statement will be issued Wednesday morning at 1000 AM EST."


    rning issued January 05 at 9:47PM EST until January 09 at 4:00AM EST by NWS",

        ",
          ,
    chland",

        ,
    ng",
    lhoun; Richland (South Carolina) Issued by the National Weather Service",
    -05T21:47:00-05:00",
    9T04:00:00-05:00",
     Warning continues for the following rivers in South\nCarolina...\nCongaree River At
    ichland, Calhoun\nand Lexington Counties.\nCongaree River At Congaree National Park-
    nd Richland Counties.\nNorth Fork Edisto River At Orangeburg affecting Orangeburg
    g is now in effect until early Saturday morning...\nThe Flood Warning continues
    ongaree National Park-Gadsden.\n* Until late Friday night.\n* At 9:00 PM EST Tuesday
    Flood stage is 15.0 feet.\n* Minor flooding is occurring and minor flooding is
    ...The maximum river stage in the 24 hours ending\nat 9:00 PM EST Tuesday was 17.2
    r is expected to fall below flood stage early\nFriday morning and continue falling to
     Impact...At 15.0 feet, Flooding begins in the Congaree National\nPark. This will
     portions of the lower\nboardwalk.\n* Impact...At 17.0 feet, The access road to the
    es flooded. The lower boardwalk in the Congaree\nNational Park becomes flooded by
    18.0 feet, Several homes in the Sandy Run subdivision\nalong the river become flooded.
    the\nWeston Lake overlook in the Congaree National Park. Between 18 and\n18.5 feet the
    ns of the elevated\nboardwalk.\n* Flood History...This crest compares to a previous
    /2020.\n&&",
    od Warning means that flooding is imminent or occurring. All\ninterested parties
    tions immediately.\nMotorists should not attempt to drive around barricades or
    areas.\nCaution is urged when walking near riverbanks.\nAdditional information is
    .\nThe next statement will be issued Wednesday morning at 1000 AM EST."
```

n the [Forecast API](), [History API]() and [Realtime API]() response. Depending upon your
e historical (from 1st March 2021 onwards), current and 3 day air quality data for the
nl.

see below) data on major pollutant gases like Carbon monoxide (CO), Ozone (O3),
hur dioxide (SO2), PM 2.5 and PM 10.

not returned. To get air quality data back in the response from [Forecast API](), [History]()
e parameter **aqi=yes**.

	Data Type	Description
	float	Carbon Monoxide (μg/m3)
	float	Ozone (μg/m3)
	float	Nitrogen dioxide (μg/m3)
	float	Sulphur dioxide (μg/m3)
	float	PM2.5 (μg/m3)
	float	PM10 (μg/m3)
	integer	US - EPA standard. • 1 means Good • 2 means Moderate • 3 means Unhealthy for sensitive group • 4 means Unhealthy • 5 means Very Unhealthy • 6 means Hazardous
	integer	UK Defra Index (See table below)

	4	5	6	7	8	9	10
ow	Moderate	Moderate	Moderate	High	High	High	Very High
4- 5	36–41	42–47	48–53	54–58	59–64	65–70	71 or more

e [Realtime API](), [Forecast API]() and [Future API]() based on user subscription plan. We also
data (from 1st January 2010 onwards) for our Enterprise plan users for any given

By default pollen data is not returned. To get pollen data back in the response please pass the parameter **pollen=yes**.

e	Description
	Pollen grains per cubic meter of air (grains/m³ or PPM)
	Pollen grains per cubic meter of air (grains/m³ or PPM)
	Pollen grains per cubic meter of air (grains/m³ or PPM)
	Pollen grains per cubic meter of air (grains/m³ or PPM)
	Pollen grains per cubic meter of air (grains/m³ or PPM)
	Pollen grains per cubic meter of air (grains/m³ or PPM)
	Pollen grains per cubic meter of air (grains/m³ or PPM)

ins/m³) or	Risk level	Typical impact
	Low	Mild symptoms in sensitive individuals
	Moderate	Noticeable symptoms for many allergic individuals
	High	Strong symptoms; most allergic individuals affected
	Very High	Severe symptoms; avoidance measures often recommended

etation

next 3 days in 1 hour interval. No API Key required and free to use.

ntegration easy we have provided a sample html for each weather map. See below.

th template to access our map:

	Description
nermaps.weatherapi.com/tmp2m/tiles/{0} }.png	Temperature at 2m. [Tmp2m Demo]().
nermaps.weatherapi.com/precip/tiles/{0} }.png	Precipitation. [Precip Demo]().
nermaps.weatherapi.com/pressure/tiles/{0} }.png	Pressure. [Pressure Demo]().
nermaps.weatherapi.com/wind/tiles/{0} }.png	Wind speed. [Wind Demo]().

{0] is UTC Date in yyyyMMdd format. E.g: 1st Nov 2020 will be 20201101.
{1} is UTC hour in 24 format. E.g:- 1 am will be 01. 6 pm will be 18.
{z} is zoom level

or Enterprise plan then you may use our bulk weather option to send multiple
all the locations sent in a single request.

peration is counted as 1 call. It works for all the API methods except Search API.

the querysting q=bulk and then pass a json body as POST method with utf-8
equest parameters will be passed as query as usual.

nting out that the POST method should be used and not GET.

g multiple locations in the POST body.

```
-id-1"




y-internal-id"




-zipcode-id-765"
```

on

ption
ay pass lat and lon, US zipcode, UK postcode, city name, IP, etc.
return this custom_id back in the response for you to use it at your end. It is for management at your end. We don't use this id for anything.

```
--header 'Content-Type: application/json' \
--data '{
    "locations": [
```

```
-id-1"
```

```
y-internal-id"
```

```
-zipcode-id-765"
```

```
--header 'Content-Type: application/json' \
--data '{
    "locations": [
```

```
        {
            "query": {
                "custom id": "my-id-1",
                               12",
                               {
                               "Boston",
                             : "Lincolnshire",
                             ": "United Kingdom",
                             3.0,
                             0.12,
                              "Europe/London",
                             me_epoch": 1673620218,
                             me": "2023-01-13 14:30"


                             dated_epoch": 1673620200,
                             dated": "2023-01-13 14:30",
                             : 8.7,
                             : 47.7,
                             : 1,
                             on": {
                             t": "Partly cloudy",
                             n": "//cdn.weatherapi.com/weather/64x64/day/116.png",
                             e": 1003

                             h": 24.2,
                             h": 38.9,
                             gree": 260,
                             r": "W",
                             e_mb": 1005.0,
                             e_in": 29.68,
                             mm": 0.0,
                             in": 0.0,
                             y": 74,
                              75,
                             ke_c": 4.4,
                             ke_f": 39.9,
                             : 10.0,
                             es": 6.0,
                             0,
                             h": 33.1,
                             h": 53.3




                              "any-internal-id",
                             ",
                             {
                             "London",
                           : "City of London, Greater London",
                           ": "United Kingdom",
                           1.52,
                           0.11,
                            "Europe/London",
                           me_epoch": 1673620218,
                           me": "2023-01-13 14:30"


                           dated_epoch": 1673620200,
                           dated": "2023-01-13 14:30",
                           : 11.0,
                           : 51.8,
                           : 1,
                           on": {
                           t": "Partly cloudy",
                           n": "//cdn.weatherapi.com/weather/64x64/day/116.png",
```

        "wind_degree": 270,
        "wind_dir": "W",
              e_mb": 1010.0,
              e_in": 29.83,
              mm": 0.0,
              in": 0.0,
              y": 58,
               75,
              ke_c": 8.1,
              ke_f": 46.5,
              : 10.0,
              es": 6.0,
              0,
              h": 22.4,
              h": 36.0

               "us-zipcode-id-765",
              ,
              {
              "Bell",
              : "California",
              ": "USA",
              3.97,
              118.17,
               "America/Los_Angeles",
              me_epoch": 1673620220,
              me": "2023-01-13 6:30"

              dated_epoch": 1673620200,
              dated": "2023-01-13 06:30",
              : 10.0,
              : 50.0,
              : 0,
              on": {
              t": "Clear",
              n": "//cdn.weatherapi.com/weather/64x64/night/113.png",
              e": 1000

              h": 2.2,
              h": 3.6,
              gree": 10,
              r": "N",
              e_mb": 1020.0,
              e_in": 30.13,
              mm": 0.0,
              in": 0.0,
              y": 74,
               0,
              ke_c": 10.3,
              ke_f": 50.5,
              : 16.0,
              es": 9.0,
              0,
              h": 3.6,
              h": 5.8
        "wind_dir": "W",

nse contains error message including error code for following 4xx HTTP Status codes.

Description
API key not provided.
Parameter 'q' not provided.
API request url is invalid
No location found matching parameter 'q'
API key provided is invalid
API key has exceeded calls per month quota.
API key has been disabled.
API key does not have access to the resource. Please check pricing page for what is allowed in your API subscription plan.
Json body passed in bulk request is invalid. Please make sure it is valid json with utf-8 encoding.
Json body contains too many locations for bulk request. Please keep it below 50 in a single request.
Internal application error.

weather API method allows a user to get up to date current weather information in ⌐urned as a Current Object.

ent or realtime weather information for a given city.

	Data Type	Description
	string	Local time when the real time data was updated.
	int	Local time when the real time data was updated in unix time.

temp_f	decimal	Temperature in fahrenheit
feelslike_c	decimal	Feels like temperature in celsius
	decimal	Feels like temperature in fahrenheit
	decimal	Windchill temperature in celcius
	decimal	Windchill temperature in fahrenheit
	decimal	Heat index in celcius
	decimal	Heat index in fahrenheit
	decimal	Dew point in celcius
	decimal	Dew point in fahrenheit
	string	Weather condition text
	string	Weather icon url
	int	Weather condition unique code.
	decimal	Wind speed in miles per hour
	decimal	Wind speed in kilometer per hour
	int	Wind direction in degrees
	string	Wind direction as 16 point compass. e.g.: NSW
	decimal	Pressure in millibars
	decimal	Pressure in inches
	decimal	Precipitation amount in millimeters
	decimal	Precipitation amount in inches
	int	Humidity as percentage
	int	Cloud cover as percentage
	int	1 = Yes 0 = No Whether to show day condition icon or night icon
	decimal	UV Index
	decimal	Wind gust in miles per hour
	decimal	Wind gust in kilometer per hour
	decimal	(Available for paid plan users only) Shortwave solar radiation or Global horizontal irradiation (GHI) W/m²
	decimal	(Available for paid plan users only) Diffuse Horizontal Irradiation (DHI) W/m²

gti		decimal	(Available for paid plan users only) Global Tilted Irradiance (GTI) W/m²
olan		element	See [pollen element](#)

d returns, depending upon your subscription plan level, upto next 14 day weather
is json or xml. The data is returned as a Forecast Object.

ronomy data, day weather forecast and hourly interval weather information for a

ment inside forecastday contains max/min temperature, average temperature

rent element
ay element contains:
Max, min and average temperature
Max wind speed
Total precipitation
Day weather condition
stro element contains sunrise, sunset, moonrise, moonphase and moonset data
our element contains hour by hour weather forecast information

	Data Type	Description
	string	Forecast date
	int	Forecast date as unix time.
	element	See day element
	element	See astro element
	element	See [aqi element](#)
	element	See [pollen element](#)

day Element

Field	Data Type	Description
	decimal	Maximum temperature in celsius for the day.
	decimal	Maximum temperature in fahrenheit for the day
	decimal	Minimum temperature in celsius for the day
	decimal	Minimum temperature in fahrenheit for the day
	decimal	Average temperature in celsius for the day
	decimal	Average temperature in fahrenheit for the day
	decimal	Maximum wind speed in miles per hour
	decimal	Maximum wind speed in kilometer per hour
	decimal	Total precipitation in milimeter
	decimal	Total precipitation in inches
	decimal	Total snowfall in centimeters
	decimal	Average visibility in kilometer
	decimal	Average visibility in miles
	int	Average humidity as percentage
	string	Weather condition text
	string	Weather condition icon
	int	Weather condition code
	decimal	UV Index
	int	1 = Yes 0 = No Will it will rain or not
	int	1 = Yes 0 = No Will it snow or not
	int	Chance of rain as percentage
	int	Chance of snow as percentage

	Description
g	Sunrise time
g	Sunset time

moonset   string   moonset time

moon_phase   string   Moon phases. Value returned:

- New Moon

- Waxing Crescent

- First Quarter

- Waxing Gibbous

- Full Moon

- Waning Gibbous

- Last Quarter

- Waning Crescent

	mal	Moon illumination as %
		1 = Yes or 0 =No Determine if the moon is currently up, based on moon set and moon rise time at the provided location and date.
		1 = Yes or 0 =No Determine if the sun is currently up, based on sunset and sunrise time at the provided location and date.

Data Type	Description
int	Time as epoch
string	Date and time
decimal	Temperature in celsius
decimal	Temperature in fahrenheit
string	Weather condition text
string	Weather condition icon
int	Weather condition code
decimal	Maximum wind speed in miles per hour
decimal	Maximum wind speed in kilometer per hour
int	Wind direction in degrees
string	Wind direction as 16 point compass. e.g.: NSW
decimal	Pressure in millibars
decimal	Pressure in inches

![weather api logo]

precip_in	decimal	Precipitation amount in inches
snow_cm	decimal	Snowfall in centimeters
	int	Humidity as percentage
	int	Cloud cover as percentage
	decimal	Feels like temperature as celcius
	decimal	Feels like temperature as fahrenheit
	decimal	Windchill temperature in celcius
	decimal	Windchill temperature in fahrenheit
	decimal	Heat index in celcius
	decimal	Heat index in fahrenheit
	decimal	Dew point in celcius
	decimal	Dew point in fahrenheit
	int	1 = Yes 0 = No Will it will rain or not
	int	1 = Yes 0 = No Will it snow or not
	int	1 = Yes 0 = No Whether to show day condition icon or night icon
	decimal	Visibility in kilometer
	decimal	Visibility in miles
	int	Chance of rain as percentage
	int	Chance of snow as percentage
	decimal	Wind gust in miles per hour
	decimal	Wind gust in kilometer per hour
	decimal	UV Index
	decimal	(Available for paid plan users only) Shortwave solar radiation or Global horizontal irradiation (GHI) W/m²
	decimal	(Available for paid plan users only) Diffuse Horizontal Irradiation (DHI) W/m²
	decimal	(Available for paid plan users only) Direct Normal Irradiance (DNI) W/m²
	decimal	(Available for paid plan users only) Global Tilted Irradiance (GTI) W/m²

weather
api

| air_quality | element | See [aqi element](#) |
| | element | See [pollen element](#) |

returns, depending upon your subscription plan level, historical weather for a date
on and xml. The data is returned as a Forecast Object.

also return historical Solar Irradiance (from 1st Jan 2010 onwards),
Jan 2010 onwards), Pollen (from 1st Jan 2010 onwards) and Air Quality data (from 1st

ronomy data, day weather forecast and hourly interval weather information for a

:

ment inside forecastday contains max/min temperature, average temperature

Parent element
day element contains:
• Max, min and average temperature
• Max wind speed
• Total precipitation
• Day weather condition
• Air Quality data
• Pollen data
astro element contains sunrise, sunset, moonrise and moonset data
hour element contains hour by hour weather forecast information

	Data Type	**Description**
	string	Forecast date
	int	Forecast date as unix time.
	element	See day element

~~air_quality~~	element	See ~~aqi element~~
pollen (Enterprise plan)	element	See pollen element
	element	See hour element

	Data Type	Description
	decimal	Maximum temperature in celsius for the day.
	decimal	Maximum temperature in fahrenheit for the day
	decimal	Minimum temperature in celsius for the day
	decimal	Minimum temperature in fahrenheit for the day
	decimal	Average temperature in celsius for the day
	decimal	Average temperature in fahrenheit for the day
	decimal	Maximum wind speed in miles per hour
	decimal	Maximum wind speed in kilometer per hour
	decimal	Total precipitation in milimeter
	decimal	Total precipitation in inches
	decimal	Total snowfall in centimeters
	decimal	Average visibility in kilometer
	decimal	Average visibility in miles
	int	Average humidity as percentage
	string	Weather condition text
	string	Weather condition icon
	int	Weather condition code
	decimal	UV Index
	int	1 = Yes 0 = No Will it will rain or not
	int	1 = Yes 0 = No Will it snow or not
	int	Chance of rain as percentage
	int	Chance of snow as percentage

sunrise	string	Sunrise time
	g	Sunset time
	g	Moonrise time
	g	Moonset time
	g	Moon phases. Value returned: • New Moon • Waxing Crescent • First Quarter • Waxing Gibbous • Full Moon • Waning Gibbous • Last Quarter • Waning Crescent
	mal	Moon illumination as %
		1 = Yes or 0 =No Determine if the moon is currently up, based on moon set and moon rise time at the provided location and date.
		1 = Yes or 0 =No Determine if the sun is currently up, based on sunset and sunrise time at the provided location and date.

	Data Type	Description
	int	Time as epoch
	string	Date and time
	decimal	Temperature in celsius
	decimal	Temperature in fahrenheit
	string	Weather condition text
	string	Weather condition icon
	int	Weather condition code
	decimal	Maximum wind speed in miles per hour
	decimal	Maximum wind speed in kilometer per hour
	int	Wind direction in degrees

pressure_mb		decimal	Pressure in Millibars
pressure_in		decimal	Pressure in inches
		decimal	Precipitation amount in millimeters
		decimal	Precipitation amount in inches
		decimal	Snowfall in centimeters
		int	Humidity as percentage
		int	Cloud cover as percentage
		decimal	Feels like temperature as celcius
		decimal	Feels like temperature as fahrenheit
		decimal	Windchill temperature in celcius
		decimal	Windchill temperature in fahrenheit
		decimal	Heat index in celcius
		decimal	Heat index in fahrenheit
		decimal	Dew point in celcius
		decimal	Dew point in fahrenheit
		int	1 = Yes 0 = No Will it will rain or not
		int	1 = Yes 0 = No Will it snow or not
		int	1 = Yes 0 = No Whether to show day condition icon or night icon
		decimal	Visibility in kilometer
		decimal	Visibility in miles
		int	Chance of rain as percentage
		int	Chance of snow as percentage
		decimal	Wind gust in miles per hour
		decimal	Wind gust in kilometer per hour
		decimal	UV Index
	)	decimal	Shortwave solar radiation or Global horizontal irradiation (GHI) W/m²
		decimal	Diffuse Horizontal Irradiation (DHI) W/m²

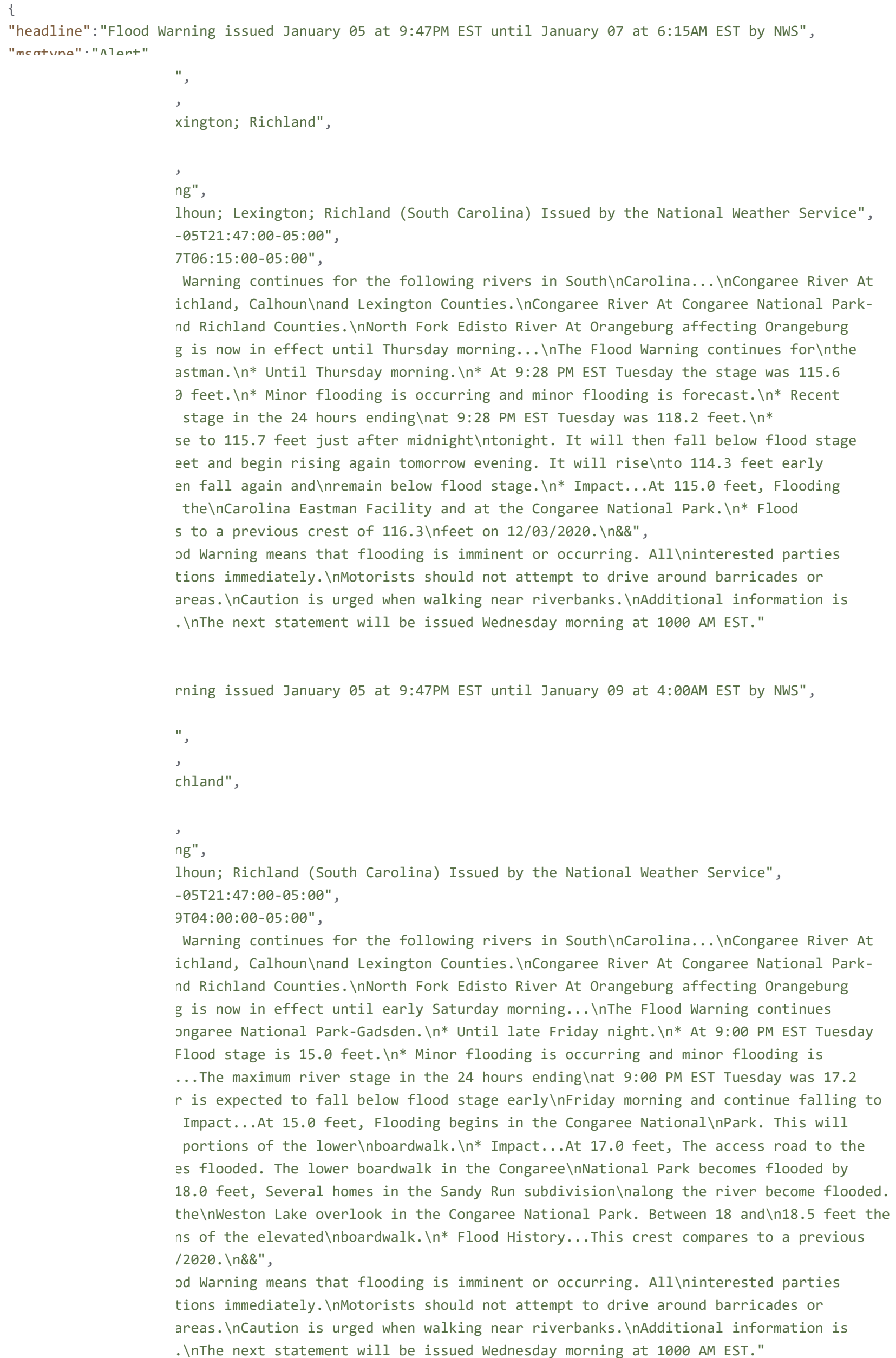|	decimal	Direct Radiation W/m²
wind_mph_100 (Enterprise	decimal	Maximum wind speed at 100 mt in miles per hour
plan)	decimal	Maximum wind speed at 100 mt in kilometer per hour
ise	int	Wind direction in degrees at 100 mt height
lan)	string	Wind direction as 16 point compass at 100 mt height. e.g.: NSW
	decimal	Evapotranspiration at 100 mt height.
	element	See aqi element
	element	See pollen element

warnings issued by government agencies (USA, UK, Europe and Rest of the World) as ocation provided json and xml. The data is returned as an Alerts Object.

be in local language of the location.

	Data Type	Description
	string	Alert headline
	string	Type of alert
	string	Severity of alert
	string	Urgency
	string	Areas covered
	string	Category
	string	Certainty
	string	Event
	string	Note
	date	Effective
	string	Expires
	string	Description
	string	Instruction

lerts

weather
api

{
  "headline":"Flood Warning issued January 05 at 9:47PM EST until January 07 at 6:15AM EST by NWS",
  "msgtype":"Alert",
      ",
       ,
  xington; Richland",

       ,
  ng",
  lhoun; Lexington; Richland (South Carolina) Issued by the National Weather Service",
  -05T21:47:00-05:00",
  7T06:15:00-05:00",
   Warning continues for the following rivers in South\nCarolina...\nCongaree River At
  ichland, Calhoun\nand Lexington Counties.\nCongaree River At Congaree National Park-
  nd Richland Counties.\nNorth Fork Edisto River At Orangeburg affecting Orangeburg
  g is now in effect until Thursday morning...\nThe Flood Warning continues for\nthe
  astman.\n* Until Thursday morning.\n* At 9:28 PM EST Tuesday the stage was 115.6
  0 feet.\n* Minor flooding is occurring and minor flooding is forecast.\n* Recent
   stage in the 24 hours ending\nat 9:28 PM EST Tuesday was 118.2 feet.\n*
  se to 115.7 feet just after midnight\ntonight. It will then fall below flood stage
  eet and begin rising again tomorrow evening. It will rise\nto 114.3 feet early
  en fall again and\nremain below flood stage.\n* Impact...At 115.0 feet, Flooding
   the\nCarolina Eastman Facility and at the Congaree National Park.\n* Flood
  s to a previous crest of 116.3\nfeet on 12/03/2020.\n&&",
  od Warning means that flooding is imminent or occurring. All\ninterested parties
  tions immediately.\nMotorists should not attempt to drive around barricades or
  areas.\nCaution is urged when walking near riverbanks.\nAdditional information is
  .\nThe next statement will be issued Wednesday morning at 1000 AM EST."

  rning issued January 05 at 9:47PM EST until January 09 at 4:00AM EST by NWS",

   ",
   ,
  chland",

   ,
  ng",
  lhoun; Richland (South Carolina) Issued by the National Weather Service",
  -05T21:47:00-05:00",
  9T04:00:00-05:00",
   Warning continues for the following rivers in South\nCarolina...\nCongaree River At
  ichland, Calhoun\nand Lexington Counties.\nCongaree River At Congaree National Park-
  nd Richland Counties.\nNorth Fork Edisto River At Orangeburg affecting Orangeburg
  g is now in effect until early Saturday morning...\nThe Flood Warning continues
  ongaree National Park-Gadsden.\n* Until late Friday night.\n* At 9:00 PM EST Tuesday
  Flood stage is 15.0 feet.\n* Minor flooding is occurring and minor flooding is
  ...The maximum river stage in the 24 hours ending\nat 9:00 PM EST Tuesday was 17.2
  r is expected to fall below flood stage early\nFriday morning and continue falling to
   Impact...At 15.0 feet, Flooding begins in the Congaree National\nPark. This will
   portions of the lower\nboardwalk.\n* Impact...At 17.0 feet, The access road to the
  es flooded. The lower boardwalk in the Congaree\nNational Park becomes flooded by
  18.0 feet, Several homes in the Sandy Run subdivision\nalong the river become flooded.
  the\nWeston Lake overlook in the Congaree National Park. Between 18 and\n18.5 feet the
  ns of the elevated\nboardwalk.\n* Flood History...This crest compares to a previous
  /2020.\n&&",
  od Warning means that flooding is imminent or occurring. All\ninterested parties
  tions immediately.\nMotorists should not attempt to drive around barricades or
  areas.\nCaution is urged when walking near riverbanks.\nAdditional information is
  .\nThe next statement will be issued Wednesday morning at 1000 AM EST."

P|

returns upto next 7 day (depending upon your subscription plan level) marine and
tide data (depending upon your price plan level) as json or xml. The data is

on your price plan level, contains astronomy data, day weather forecast and hourly
and tide data for a given sea/ocean point.

ment inside forecastday contains max/min temperature, average temperature

Parent element
day element contains: • Max, min and average temperature • Max wind speed • Total precipitation • Day weather condition
astro element contains sunrise, sunset, moonrise and moonset data
tides element contains high and low tide data
hour element contains hour by hour weather forecast information

Data Type	Description
string	Forecast date
int	Forecast date as unix time.
element	See day element
element	See astro element
element	See tides element
element	See hour element

weather
api

maxtemp_c	decimal	Maximum temperature in celsius for the day
maxtemp_f	decimal	Maximum temperature in fahrenheit for the day
	decimal	Minimum temperature in celsius for the day
	decimal	Minimum temperature in fahrenheit for the day
	decimal	Average temperature in celsius for the day
	decimal	Average temperature in fahrenheit for the day
	decimal	Maximum wind speed in miles per hour
	decimal	Maximum wind speed in kilometer per hour
	decimal	Total precipitation in milimeter
	decimal	Total precipitation in inches
	decimal	Average visibility in kilometer
	decimal	Average visibility in miles
	int	Average humidity as percentage
	string	Weather condition text
	string	Weather condition icon
	int	Weather condition code
	decimal	UV Index

	Description
g	Sunrise time
g	Sunset time
g	Moonrise time
g	Moonset time

weather
api

- Waxing Crescent

- First Quarter

- Waxing Gibbous

- Full Moon

- Waning Gibbous

- Last Quarter

- Waning Crescent

mal	Moon illumination as %
	1 = Yes or 0 =No Determine if the moon is currently up, based on moon set and moon rise time at the provided location and date.
	1 = Yes or 0 =No Determine if the sun is currently up, based on sunset and sunrise time at the provided location and date.

Data Type	Description
string	Local tide time
float	Tide height in mt
string	Type of tide i.e. High or Low

	Data Type	Description
	int	Time as epoch
	string	Date and time
	decimal	Temperature in celsius
	decimal	Temperature in fahrenheit
	string	Weather condition text
	string	Weather condition icon
	int	Weather condition code
	decimal	Maximum wind speed in miles per hour
	decimal	Maximum wind speed in kilometer per hour
	int	Wind direction in degrees
	string	Wind direction as 16 point compass. e.g.: NSW

		decimal	Pressure in inches
precip_mm		decimal	Precipitation amount in millimeters
		decimal	Precipitation amount in inches
		int	Humidity as percentage
		int	Cloud cover as percentage
		decimal	Feels like temperature as celcius
		decimal	Feels like temperature as fahrenheit
		decimal	Windchill temperature in celcius
		decimal	Windchill temperature in fahrenheit
		decimal	Heat index in celcius
		decimal	Heat index in fahrenheit
		decimal	Dew point in celcius
		decimal	Dew point in fahrenheit
		int	1 = Yes 0 = No Whether to show day condition icon or night icon
		decimal	Visibility in kilometer
		decimal	Visibility in miles
		decimal	Wind gust in miles per hour
		decimal	Wind gust in kilometer per hour
		decimal	Significant wave height in metres
		decimal	Swell wave height in metres
		decimal	Swell wave height in feet
		decimal	Swell direction in degrees
		decimal	Swell direction in 16 point compass
		decimal	Swell period in seconds
	and above)	decimal	Water temperature in Celcius
	and above)	decimal	Water temperature in Fahrenheit
		decimal	UV Index

Future weather API method returns weather in a 3 hourly interval in future for a date between 14 days and 300 days from today in the future.

ronomy data, day weather forecast and hourly interval weather information for a

:

ment inside forecastday contains max/min temperature, average temperature

Parent element
day element contains: • Max, min and average temperature • Max wind speed • Total precipitation • Day weather condition
astro element contains sunrise, sunset, moonrise and moonset data
hour element contains hour by hour weather forecast information

Data Type	Description
string	Forecast date
int	Forecast date as unix time.
element	See day element
element	See astro element
element	See hour element

Data Type	Description
decimal	Maximum temperature in celsius for the day.
decimal	Maximum temperature in fahrenheit for the day
decimal	Minimum temperature in celsius for the day
decimal	Minimum temperature in fahrenheit for the day

avgtemp_f	decimal	Average temperature in fahrenheit for the day
maxwind_mph	decimal	Maximum wind speed in miles per hour
	decimal	Maximum wind speed in kilometer per hour
	decimal	Total precipitation in milimeter
	decimal	Total precipitation in inches
	decimal	Average visibility in kilometer
	decimal	Average visibility in miles
	int	Average humidity as percentage
	string	Weather condition text
	string	Weather condition icon
	int	Weather condition code
	decimal	UV Index

		Description
	g	Sunrise time
	g	Sunset time
	g	Moonrise time
	g	Moonset time
	g	Moon phases. Value returned: • New Moon • Waxing Crescent • First Quarter • Waxing Gibbous • Full Moon • Waning Gibbous • Last Quarter • Waning Crescent
	mal	Moon illumination as %
		1 = Yes or 0 =No Determine if the moon is currently up, based on moon set and moon rise time at the provided location and date.

hour Element

	ta Type	Description
		Time as epoch
	ing	Date and time
	cimal	Temperature in celsius
	cimal	Temperature in fahrenheit
	ing	Weather condition text
	ing	Weather condition icon
		Weather condition code
	cimal	Maximum wind speed in miles per hour
	cimal	Maximum wind speed in kilometer per hour
		Wind direction in degrees
	ing	Wind direction as 16 point compass. e.g.: NSW
	cimal	Pressure in millibars
	cimal	Pressure in inches
	cimal	Precipitation amount in millimeters
	cimal	Precipitation amount in inches
		Humidity as percentage
		Cloud cover as percentage
	cimal	Feels like temperature as celcius
	cimal	Feels like temperature as fahrenheit
	cimal	Windchill temperature in celcius
	cimal	Windchill temperature in fahrenheit
	cimal	Heat index in celcius
	cimal	Heat index in fahrenheit
	cimal	Dew point in celcius
	cimal	Dew point in fahrenheit
		1 = Yes 0 = No Will it will rain or not

![weather api logo]

is_day	int	1 = Yes 0 = No Whether to show day condition icon or night icon
	cimal	Visibility in kilometer
	cimal	Visibility in miles

lete API

utocomplete API returns matching cities and towns as an array of [Location](#) object.

a user to get up to date information for an IP address in json and xml.

	Data Type	Description
	string	IP address
	string	ipv4 or ipv6
	string	Continent code
	string	Continent name
	string	Country code
	string	Name of country
	bool	true or false
	string	Geoname ID
	string	City name
	string	Region name
	decimal	Latitude in decimal degree
	decimal	Longitude in decimal degree
	string	Time zone

vs a user to get up to date information for sunrise, sunset, moonrise, moonset, moon
on and xml.

	Description

![weather api logo]

	string	Sunset local time
moonrise	string	Moonrise local time
	g	Moonset local time
	g	Moon phases. Value returned: - New Moon - Waxing Crescent - First Quarter - Waxing Gibbous - Full Moon - Waning Gibbous - Last Quarter - Waning Crescent
		Moon illumination
		1 = Yes or 0 =No Determine if the moon is currently up, based on moon set and moon rise time at the provided location and date.
		1 = Yes or 0 =No Determine if the sun is currently up, based on sunset and sunrise time at the provided location and date.

s a user to get up to date time zone and local time information in json and xml.

Data Type	Description
string	Time zone id
int	Local time in epoch.
string	Local time in yyyy-MM-dd HH:mm format

ıser to get listing of all upcoming sports events for football, cricket and golf in json

e	Description
	Name of stadium

region	string	Region	
tournament	string	Tournament name	
		Start local date and time for event in yyyy-MM-dd HH:mm format.	
		Match name	

sy to implement. Look at following examples on how you can form a request to get
rowser or in your application.

r for London: JSON: http://api.weatherapi.com/v1/current.json?key=
don

>i.com/v1/current.xml?key=<YOUR_API_KEY>&q=London

JS Zipcode 07112: JSON: http://api.weatherapi.com/v1/forecast.json?key=
2&days=7

>i.com/v1/forecast.xml?key=<YOUR_API_KEY>&q=07112&days=7

with Lond: JSON: http://api.weatherapi.com/v1/search.json?key=
l

>i.com/v1/search.xml?key=<YOUR_API_KEY>&q=lond

o see how the request is formed and what response to expect.

/eatherAPI, teams can sync real-time conditions, 1–14-day forecasts, and historical
r weather-aware calendars, task checklists, and staffing plans across sites, jobs, or
ld risk dashboards that surface severe-weather alerts and air-quality data, and
ost-incident reports comparing planned work with observed conditions.

r framework/languages [available on Github for quick integrations](#).

l Codes

urn a condition:code which is a code for describing weather. For example clear,

condition list as JSON to implement different weather icons or apply other logic to
des multi-language translations of weather condition text.

![weather api logo]

English Condition list URL (CSV): https://www.weatherapi.com/docs/weather_conditions.csv

ON): https://www.weatherapi.com/docs/weather_conditions.json

1L): https://www.weatherapi.com/docs/weather_conditions.xml

l use it offline instead of directly linking into your application.

e would appreciate if you could provide a link back to our service.

PLES

below HTML code and place it on the website you have provided during the Free

```
ww.weatherapi.com/" title="Free Weather API">WeatherAPI.com</a>
```

l

```
api.com/" title="Free Weather API"><img
        images/weatherapi_logo.png' alt="Weather data by WeatherAPI.com" border="0"></a>
```

WeatherAPI.com makes it super easy to integrate our realtime, daily, hourly and 15 min interval weather forecast data, historical weather, marine weather, bulk request, air quality data, pollen, evapotranspiration, autocomplete, time zone, astronomy and sports data into your new or existing project.

Get Started ➡

naria | Tenerife | Majorca | Lanzarote | Fuerteventura | Crete | New York | Rome | Dubai | London | Sydney |

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