Yahoo Weather RSS Feed

The Weather RSS feed enables you to get up-to-date weather information for your location. You can save this feed in My Yahoo! or your favorite feed aggregator, or incorporate the RSS data into your own web site or client application. The Weather RSS feed is a dynamically-generated feed based on WOEID.

This page describes the format of the Weather request URL and the RSS response for developers. It contains these sections:

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RSS Request

The Weather RSS feed request follows simple HTTP GET syntax: start with a base URL and then add parameters and values after a question mark (?). Multiple parameters are separated by an ampersand (&).

The base URL for the Weather RSS feed is

`http://weather.yahooapis.com/forecastrss`

In this section, Summary shows how to make an RSS request with different parameters; Request Parameters shows a table summarizing those parameters.

SUMMARY

For the Weather RSS feed there are two parameters:

- `w` for WOEID.
- `u` for degrees units (Fahrenheit or Celsius).

The WOEID parameter `w` is required. Use this parameter to indicate the location for the weather forecast as a WOEID.

`http://weather.yahooapis.com/forecastrss?w=`*location*

For example, to get weather for Yahoo! Headquarters in Sunnyvale, CA, use the WOEID code for Sunnyvale (2502265):

`http://weather.yahooapis.com/forecastrss?w=2502265`

The location parameter needs to be a WOEID. To find your WOEID, browse or search for your city from the Weather home page. The WOEID is in the URL for the forecast page for that city. You can also get the WOEID by entering your zip code on the home page. For example, if you search for Los Angeles on the Weather home page, the forecast page for that city is `http://weather.yahoo.com/united-states/california/los-angeles-2442047/`. The WOEID is `2442047`.

The optional u (units) parameter indicates the degree units for the weather forecast. By default, Yahoo! Weather returns temperature information in degrees Fahrenheit. Use the u parameter to explicitly specify the degree units in Fahrenheit (f) or Celsius (c). The units parameter is case sensitive. For example, to get the weather forecast in Sunnyvale, CA in Celsius:

`http://weather.yahooapis.com/forecastrss?w=2442047&u=c`

Note that choosing Celsius degree units changes all the weather units to metric, for example, wind speed will be reported as kilometers per hour and barometric pressure as millibars.

Yahoo! Weather returns an RSS 2.0 feed in response to this request. You can subscribe to the request URL with My Yahoo! or another RSS feed aggregator, or you can incorporate the information in the RSS response into your own application. See RSS Response Elements for information on the elements contained in the RSS feed.

REQUEST PARAMETERS

Parameter	Description	Example
w	WOEID	`w=2502265`
u	Units for temperature (case sensitive) f: Fahrenheit c: Celsius	`u=c`

Note: The old location parameter 'p' has been deprecated and will be removed in the future releases. Hence users are encouraged to migrate to the 'w' parameter which provides deep integration into Y! GeoPlanet. The old documentation is archived here.

RSS Response

The Weather RSS feed is an XML document that conforms to the RSS 2.0 specification. RSS is an XML document containing a single channel element representing the feed, several elements containing metadata about the feed itself, and one or more item elements describing individual items within the

feed.

The Weather RSS feed also includes additional elements from the geo vocabulary as well as a custom yweather vocabulary.

TOP-LEVEL ELEMENTS

Element	Description
xml	The Weather RSS feed conforms to XML 1.0. No child elements.
rss	The Weather RSS feed conforms to RSS 2.0. Child elements: channel

CHANNEL ELEMENTS

The channel element contains metadata about the feed and its contents.

Element	Description
title	The title of the feed, which includes the location city. For example "Yahoo! Weather - Sunnyvale, CA"
link	The URL for the Weather page of the forecast for this location. For example `http://us.rd.yahoo.com/dailynews/rss/weather/Sunnyvale__CA/` `*http://weather.yahoo.com/forecast/USCA1116_f.html`
language	The language of the weather forecast, for example, en-us for US English.
description	The overall description of the feed including the location, for example "Yahoo! Weather for Sunnyvale, CA"
lastBuildDate	The last time the feed was updated. The format is in the date format defined by RFC822 Section 5, for example Mon, 256 Sep 17:25:18 -0700.
ttl	Time to Live; how long in minutes this feed should be cached.
yweather:location	The location of this forecast. Attributes: • city: city name (string) • region: state, territory, or region, if given (string) • country: two-character country code. (string)
yweather:units	Units for various aspects of the forecast. Attributes: • temperature: degree units, f for Fahrenheit or c for Celsius (character) • distance: units for distance, mi for miles or km for kilometers (string) • pressure: units of barometric pressure, in for pounds per square inch or mb for millibars (string) • speed: units of speed, mph for miles per hour or kph for kilometers per hour (string) Note that the default RSS feed uses Fahrenheit degree units and English units for all other attributes (miles, pounds per square inch, miles per hour). If Celsius has been specified as the degree units for the feed (using the u request parameter), all the units are in metric format (Celsius, kilometers, millibars, kilometers per hour).
yweather:wind	Forecast information about wind. Attributes: • chill: wind chill in degrees (integer) • direction: wind direction, in degrees (integer) • speed: wind speed, in the units specified in the speed attribute of the yweather:units element (mph or kph). (integer)
yweather:atmosphere	Forecast information about current atmospheric pressure, humidity, and visibility. Attributes: • humidity: humidity, in percent (integer) • visibility, in the units specified by the distance attribute of the yweather:units element (mi or km). Note that the visibility is specified as the actual value * 100. For example, a visibility of 16.5 miles will be specified as 1650. A visibility of 14 kilometers will appear as 1400. (integer) • pressure: barometric pressure, in the units specified by the pressure attribute of the yweather:units element (in or mb). (float). • rising: state of the barometric pressure: steady (0), rising (1), or falling (2). (integer: 0, 1, 2)
yweather:astronomy	Forecast information about current astronomical conditions. Attributes: • sunrise: today's sunrise time. The time is a string in a local time format of "h:mm am/pm", for example "7:02 am" (string) • sunset: today's sunset time. The time is a string in a local time format of "h:mm am/pm", for example "4:51 pm" (string)
image	The image used to identify this feed. See Image Elements for element descriptions Child elements: url, title, link, width, height
item	The local weather conditions and forecast for a specific location. See Item Elements for element descriptions. Child elements: title, link, description, guid, pubDate, geo:lat, geo:long, yweather:forecast

IMAGE ELEMENTS

The image element describes an image or icon used to identify the feed.

Element	Description
title	The title of the image, for example "Yahoo! Weather"
link	The URL of Yahoo! Weather
url	The URL of the image
width	The width of the image, in pixels
height	The height of the image, in pixels

ITEM ELEMENTS

The item element contains current conditions and forecast for the given location. There are multiple yweather:forecast elements for today and tomorrow.

Element	Description
title	The forecast title and time, for example "Conditions for New York, NY at 1:51 pm EST"
link	The Yahoo! Weather URL for this forecast.
description	A simple summary of the current conditions and tomorrow's forecast, in HTML format, including a link to Yahoo! Weather for the full forecast.
guid	Unique identifier for the forecast, made up of the location ID, the date, and the time. The attribute isPermaLink is false.
pubDate	The date and time this forecast was posted, in the date format defined by RFC822 Section 5, for example Mon, 25 Sep 17:25:18 -0700.
geo:lat	The latitude of the location.
geo:long	The longitude of the location.
yweather:condition	The current weather conditions. Attributes: • text: a textual description of conditions, for example, "Partly Cloudy" (string) • code: the condition code for this forecast. You could use this code to choose a text description or image for the forecast. The possible values for this element are described in Condition Codes (integer) • temp: the current temperature, in the units specified by the yweather:units element (integer) • date: the current date and time for which this forecast applies. The date is in RFC822 Section 5 format, for example "Wed, 30 Nov 2005 1:56 pm PST" (string)
yweather:forecast	The weather forecast for a specific day. The item element contains multiple forecast elements for today and tomorrow. Attributes: • day: day of the week to which this forecast applies. Possible values are Mon Tue Wed Thu Fri Sat Sun (string) • date: the date to which this forecast applies. The date is in "dd Mmm yyyy" format, for example "30 Nov 2005" (string) • low: the forecasted low temperature for this day, in the units specified by the yweather:units element (integer) • high: the forecasted high temperature for this day, in the units specified by the yweather:units element (integer) • text: a textual description of conditions, for example, "Partly Cloudy" (string) • code: the condition code for this forecast. You could use this code to choose a text description or image for the forecast. The possible values for this element are described in Condition Codes (integer)

CONDITION CODES

Condition codes are used in the yweather:forecast element to describe the current conditions.

Code	Description
0	tornado
1	tropical storm
2	hurricane
3	severe thunderstorms
4	thunderstorms
5	mixed rain and snow
6	mixed rain and sleet
7	mixed snow and sleet
8	freezing drizzle
9	drizzle
10	freezing rain
11	showers
12	showers
13	snow flurries
14	light snow showers
15	blowing snow
16	snow
17	hail
18	sleet
19	dust
20	foggy
21	haze
22	smoky
23	blustery
24	windy
25	cold
26	cloudy
27	mostly cloudy (night)
28	mostly cloudy (day)
29	partly cloudy (night)
30	partly cloudy (day)
31	clear (night)
32	sunny
33	fair (night)

34	fair (day)
35	mixed rain and hail
36	hot
37	isolated thunderstorms
38	scattered thunderstorms
39	scattered thunderstorms
40	scattered showers
41	heavy snow
42	scattered snow showers
43	heavy snow
44	partly cloudy
45	thundershowers
46	snow showers
47	isolated thundershowers
3200	not available

Examples

To get the forecast for Yahoo! Headquarters in Sunnyvale, CA, use the WOEID code:

```
http://weather.yahooapis.com/forecastrss?w=2502265
```

To get the forecast for New York City, use the WOEID 2459115:

```
http://weather.yahooapis.com/forecastrss?w=2459115
```

To get the forecast for Paris, France, use the WOEID 615702:

```
http://weather.yahooapis.com/forecastrss?w=615702
```

To get the forecast for Paris, France, with degrees Celsius and other metric units:

```
http://weather.yahooapis.com/forecastrss?w=615702&u=c
```

A sample RSS response is shown below:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<rss version="2.0" xmlns:yweather="http://xml.weather.yahoo.com/ns/rss/1.0" xml
<channel>
  <title>Yahoo! Weather - Sunnyvale, CA</title>
  <link>http://us.rd.yahoo.com/dailynews/rss/weather/Sunnyvale__CA/*http://weat
  <description>Yahoo! Weather for Sunnyvale, CA</description>
  <language>en-us</language>
  <lastBuildDate>Fri, 18 Dec 2009 9:38 am PST</lastBuildDate>
  <ttl>60</ttl>
  <yweather:location city="Sunnyvale" region="CA"   country="United States"/>
  <yweather:units temperature="F" distance="mi" pressure="in" speed="mph"/>
  <yweather:wind chill="50"   direction="0"    speed="0" />
  <yweather:atmosphere humidity="94"  visibility="3"  pressure="30.27"  rising=
  <yweather:astronomy sunrise="7:17 am"   sunset="4:52 pm"/>
  <image>
    <title>Yahoo! Weather</title>
    <width>142</width>
    <height>18</height>
    <link>http://weather.yahoo.com</link>
    <url>http://l.yimg.com/a/i/us/nws/th/main_142b.gif</url>
  </image>
  <item>
    <title>Conditions for Sunnyvale, CA at 9:38 am PST</title>
    <geo:lat>37.37</geo:lat>
    <geo:long>-122.04</geo:long>
    <link>http://us.rd.yahoo.com/dailynews/rss/weather/Sunnyvale__CA/*http://wea
    <pubDate>Fri, 18 Dec 2009 9:38 am PST</pubDate>
    <yweather:condition  text="Mostly Cloudy"  code="28"  temp="50"  date="Fri,
    <description><![CDATA[
<img src="http://l.yimg.com/a/i/us/we/52/28.gif"/><br />
<b>Current Conditions:</b><br />
Mostly Cloudy, 50 F<BR />
<BR /><b>Forecast:</b><BR />
Fri - Partly Cloudy. High: 62 Low: 49<br />
Sat - Partly Cloudy. High: 65 Low: 49<br />
<br />
<a href="http://us.rd.yahoo.com/dailynews/rss/weather/Sunnyvale__CA/*http://wea
(provided by <a href="http://www.weather.com" >The Weather Channel</a>)<br/>
]]></description>
    <yweather:forecast day="Fri" date="18 Dec 2009" low="49" high="62" text="Pa
    <yweather:forecast day="Sat" date="19 Dec 2009" low="49" high="65" text="Pa
    <guid isPermaLink="false">USCA1116_2009_12_18_9_38_PST</guid>
  </item>
</channel>
</rss>
```

Terms of Use

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