AP BREAKING NEWS API

Developer's Guide

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INTRODUCTION

ABOUT THIS GUIDE

Audience

This guide is intended for software engineers who develop applications that access AP news content through application programming interfaces (APIs).

Searching This Guide

To search this guide, choose **Edit → Find** in Adobe Acrobat.

Conventions

- In request syntax, variable names are shown in braces { }. Optional parameters are shown in brackets [ ]. Do not type the braces and brackets in the request.

- In response descriptions, attributes are indicated by an *at* sign (@).

- In response examples, an ellipsis (...) indicates information that is omitted for brevity.

RELATED RESOURCE

Testing Live API Calls with API Console

The API Console, an interactive quick reference that lists the API calls and parameters and allows for testing live API calls is available at https://developer.ap.org/api-console.

CONTACTING SUPPORT

For technical help, contact AP Customer Support:

- Phone: **877-836-9477** (U.S. toll-free number) or **212-621-7361** (from outside of the U.S.)

- E-mail: APCustomerSupport@ap.org

- Website: http://customersupport.ap.org

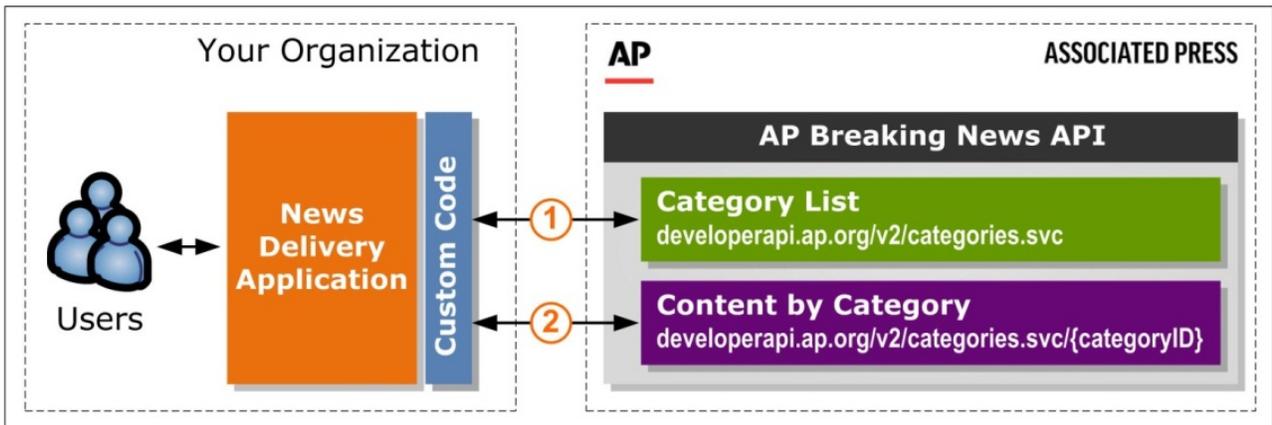To comment on the documentation, send an e-mail message to documentation@ap.org.

ABOUT AP BREAKING NEWS API

The AP Breaking News API allows you to retrieve a list of available categories and then request content for a specific category. Responses are provided in the XML format that contains standard ATOM, hNews microformat and XHTML elements. For more information about hNews, visit http://microformats.org/wiki/hnews.

AP Online

The AP Breaking News API currently offers only AP Online headlines and stories. AP Online, available to our commercial customers, is a breaking news service that provides a selection of international and national news stories gathered by more than 240 AP bureaus around the world.

Typical Workflow Overview

Build your own news delivery application with AP content. Your users get AP breaking news directly from your application:

① **Retrieve a category list**. Your custom program calls the AP Breaking News API system for the list of available content categories and saves them to your CMS.

② **Get content by category**. Your custom program retrieves content for each category from the AP Breaking News API system, saves it to your CMS, and then your news delivery application displays the content by category.

API Keys

An API key is the access key required for making API calls. If you have not received your API key, please contact Customer Support.

Supported Protocol

HTTPS 1.1 is supported for all API calls.

Client Implementation Requirement

The implementation of your client application must allow new data elements and attributes to be added by AP by ignoring any markup that it does not recognize.

Recommended Practice

It is recommended that your client application retrieve content for each category using the links returned in the Category List response instead of constructing those links.

PREVIEW ENVIRONMENT

The AP Breaking News API preview environment allows you to test new features and changes prior to the general release to ensure that they are properly handled by your client application. While these upgrades do not require any modifications to your client application, AP strongly recommends testing the changes in the preview environment before they become available in your production systems.

– **Preview Server URL**: https://developerapipreview.ap.org.

– **Preview Key**. A separate key is required for accessing the preview environment. To request the preview key, please contact your AP Sales representative.

BREAKING NEWS

CATEGORY LIST METHOD

Description
Returns a list of available AP Breaking News categories, including category IDs.

Request

METHOD	REQUEST URI
GET	https://developerapi.ap.org/v2/categories.svc?apiKey={apiKey}

Response
Returns the standard HTTP status code of "200 – OK" and an XML document with a list of Breaking News categories in the ATOM format. For information about error codes, see "Error Codes" on page 11.

Feed Descriptive Elements

XML ELEMENT	DESCRIPTION
title	The feed name.
@type="text"	Indicates that the feed name is formatted as plain text.
id	The feed ID. The value is "urn:uuid:ap.org" for all of the Breaking News API responses.
updated	The date and time (in W3C XML Schema's xs:dateTime format) when the feed was returned.
link	HTTP URL for the feed.
@rel="self"	Indicates that the URL refers to the feed itself.
@type	The MIME type of the data format returned when the link in the "href" attribute is followed.
@href	The specific URL for the feed.

Category Descriptive Elements
The following metadata elements are returned for each category:

XML ELEMENT	DESCRIPTION
entry	Contains the data and metadata associated with an individual feed entry.
id	Unique category ID.
title	The category name.
@type="text"	Indicates that the category name is formatted as plain text.
updated	The date and time (in W3C XML Schema's xs:dateTime format) when the category listing was returned.
link	The hyperlink to the latest news for this category.

XML ELEMENT	DESCRIPTION
@rel="alternate"	Indicates that the URL is an alternate representation of the category.
@type	The MIME type of the data format returned when the link in the "href" attribute is followed.
@href	The specific URL for the latest news for this category. It can be part of the URI in the Content by Category method (when used in conjunction with an API key).

Example

```xml
- <feed xmlns="http://www.w3.org/2005/Atom">
    <title type="text">AP Breaking News Category List</title>
    <id>urn:uuid:ap.org</id>
    <updated>2014-03-27T19:06:26Z</updated>
    <link rel="self" type="application/atom+xml" href="http://developerapi.ap.org/v2/categories.svc" />
- <entry>
    <id>urn:uuid:31995</id>
    <title type="text">AP Online General Financial/Business News</title>
    <updated>2014-03-27T19:06:26Z</updated>
    <link rel="alternate" type="application/atom+xml" href="http://developerapi.ap.org/v2/categories.svc/31995" />
    <content type="text" />
  </entry>
- <entry>
    <id>urn:uuid:31997</id>
    <title type="text">AP Online Asia News</title>
    <updated>2014-03-27T19:06:26Z</updated>
    <link rel="alternate" type="application/atom+xml" href="http://developerapi.ap.org/v2/categories.svc/31997" />
    <content type="text" />
  </entry>
    ...
  </feed>
```

CONTENT BY CATEGORY METHOD

Description

Returns the latest content for a specific category. Depending on the specified parameters, returns either the full story for each headline and/or the headlines linked to web pages with the full stories. The response may also include related photos, if requested and available.

Request

METHOD	REQUEST URI
GET	https://developerapi.ap.org/v2/categories.svc/{categoryID}?apiKey={apiKey}[{OptionalParameters}]

Required Request URI Parameter

PARAMETER	DESCRIPTION	EXAMPLE
categoryID	The ID of the AP Breaking News category. Use the Category List method to get the list of available categories and their IDs. For more information, see "Category List Method" on page 5.	31995

Optional Request URI Parameters

PARAMETER	DESCRIPTION	EXAMPLE
count	The number of content items to be returned. Ten items are returned by default. The maximum allowed value is 25. **Note:** The response may contain more than the specified number of items if the results include AP Top Headlines because only the entire Top Headline package is counted, but not the individual Top Headline stories. AP Top Headlines are collections of AP's top news stories that are filed by AP editors multiple times during the day, many times with the same stories. These stories are delivered in the order AP editors rank them.	25
contentOption	Specifies whether to return full story content in the response. Valid options are:<table><tr><th>VALUE</th><th>DESCRIPTION</th></tr><tr><td>0</td><td>The response includes headlines with links to the full stories on the AP News Archive website.</td></tr><tr><td>2</td><td>This is the default. In addition to the links to the full stories on the AP News Archive website, the response also contains the full story content in the "entry-content" class of the hNews section.</td></tr></table>	0
mediaOption	Includes related photos in the response. Valid values are:<table><tr><th>VALUE</th><th>DESCRIPTION</th></tr><tr><td>0</td><td>This is the default. Does <u>not</u> include related media.</td></tr><tr><td>1</td><td>Includes related photos in the response.</td></tr></table>	1

Request URI Examples

https://developerapi.ap.org/v2/categories.svc/31995?apiKey={apiKey}

https://developerapi.ap.org/v2/categories.svc/31995?apiKey={apiKey}&contentOption=0&count=20

https://developerapi.ap.org/v2/categories.svc/31995?apiKey={apiKey}&mediaOption=1

Response

Returns the standard HTTP status code of "200 – OK" and the latest content for the specified category in the XML format that contains standard ATOM, hNews microformat and XHTML elements. For information about error codes, see "Error Codes" on page 11.

Feed Descriptive Elements

The feed descriptive elements are the same as for the Category List method. For more information, see "Feed Descriptive Elements" on page 5.

Content Descriptive Elements

The following metadata elements are returned for each content item:

XML ELEMENT	DESCRIPTION
entry	Contains the data and metadata associated with an individual feed entry.
id	A unique identifier for the content item.
title	The content item title.

XML ELEMENT	DESCRIPTION
@type="text"	Indicates that the title is formatted as plain text.
updated	The date and time (in W3C XML Schema's xs:dateTime format) when the content item was released.
author/name	The name of the organization or individual that provided source material for the content item.
link	The hyperlink to the story.
@rel="alternate"	Indicates that the URL is an alternate representation of the content item.
@type	The MIME type of the data format returned when the link in the "href" attribute is followed.
@href	The specific URL to the content item.
category	Contains classification metadata, including news topics and categories that describe the content item and entities mentioned in it. Entities are metadata values that include people, places and companies. For more information, see "Top-Level Subject Categories" on page 12 in the Appendix.
@term	A topic or entity name.
@label	A topic or entity label.
@scheme	The hyperlink to the topic's or entity's web page.
content	Contains the content item headline and metadata.
@type="xhtml"	Indicates that the content is formatted as XHTML.

For information about the hNews classes, visit http://microformats.org/wiki/hnews.

Example: Headlines with Full Story Content and Related Photos

This example shows a response when the mediaOption=1 parameter is specified in the request, but the contentOption parameter is <u>not</u> specified (full stories are included in the response by default). In this example, the "entry-content" class containing the full story is shown in gray. The <link rel="alternate"> element that contains a link to the AP News Archive page is shown in dark gray. The related photo thumbnail with a caption and a link to the preview image is shown in light gray.

```xml
- <feed xmlns="http://www.w3.org/2005/Atom">
    <title type="text">AP Online General Financial/Business News</title>
    <id>urn:uuid:a8ab814d02a04591bd3b81152a84a2d6</id>
    <updated>2014-05-07T16:52:55Z</updated>
    <link rel="self" type="application/atom+xml"
      href="http://developerapi.ap.org/v2/Categories.svc/31995?mediaOption=1" />
- <entry>
    <id>urn:uuid:1c680923644743a0a2dba42e5fe212e4</id>
    <title type="text">Turkey fans are 'Turketarian' in Butterball's ads</title>
    <updated>2014-05-07T15:12:37Z</updated>
  - <author>
      <name>MAE ANDERSON</name>
    </author>
    <link rel="alternate" type="text/html" href="http://www.apnewsarchive.com/2014/Butterball-says-fans-of-its-
      turkey-products-are-'Turketarian'/id-1c680923644743a0a2dba42e5fe212e4" />
    <category term="c8e409f8858510048872ff2260dd383e" label="Business" scheme="http://cv.ap.org/" />
    <category term="002189a084fe1004882b91f43387513e" label="Food and drink" scheme="http://cv.ap.org/" />
      ...
  - <content type="xhtml">
    - <div xmlns="http://www.w3.org/1999/xhtml">
      - <div class="hnews hentry item">
        - <div class="hmedia">
          - <a rel="enclosure" type="image/jpeg"
              href="http://binaryapi.ap.org/3d0c1c602e3c471b8b6d80e8849453b3/preview.jpg ">
              <img border="0" class="photo" alt="This image from video provided by Butterball shows a scene
```

```
                         from one of two new TV ads the company is launching. Trying to get the word out that Butterball
                         makes more than just the big bird on Thanksgiving Day, the company is launching the ads that
                         showcase its range of products from turkey sausage to turkey burgers and focus on people who love
                         the lean protein. (AP Photo/Butterball)"
                         src="http://binaryapi.ap.org/3d0c1c602e3c471b8b6d80e8849453b3/thumbnail.jpg" />
                    </a>
                    <div class="fn">Butterball Turketarian Campaign</div>
                 </div>
               - <h4>
                   <a class="url entry-title" href="http://www.apnewsarchive.com/2014/Butterball-says-fans-of-its-turkey-
                      products-are-'Turketarian'/id-1c680923644743a0a2dba42e5fe212e4" rel="bookmark">Turkey fans are
                      'Turketarian' in Butterball's ads</a>
                 </h4>
               - <div>
                  - <small>
                     by
                    - <span class="author vcard">
                        <span class="fn">MAE ANDERSON</span>
                      </span>
                      ,
                    - <span class="source-org vcard">
                        <a class="url org fn" href="http://www.ap.org">Associated Press</a>
                      </span>
                        -
                      <span class="updated dtstamp" title="2014-05-07T15:12:37Z">7 May 2014 15:12-04:00</span>
                    </small>
                 </div>
               - <div class="entry-content">
                  - <p>
                     <abbr title="40.71427,-74.00597" class="dateline geo">NEW YORK</abbr>
                     (AP) — Are you a "Turketarian"?
                    </p>
                    ...
                    <p>Trying to get the word out that Butterball makes more than just the big bird on Thanksgiving Day,
                       Butterball is launching two TV ads that showcase its range of products from turkey sausage to turkey
                       burgers and focus on people who love the lean protein.</p>
                    <p>Butterball, based in Garner, North Carolina, combined with Carolina Turkeys in 2006. The privately
                       held company estimates that it makes one out of every five turkeys eaten on Thanksgiving. But
                       Butterball also wants to be known for its other products such as smoked sausage and turkey
                       burgers.</p>
                    <p>Butterball does not disclose sales figures. But rising demand for chicken and turkey — which both are
                       less expensive than beef or pork — has led to strong demand for poultry producers like Butterball.</p>
                    <p>For its first TV effort in six years, Bill Klump, senior vice president for corporate marketing at
                       Butterball, said the company interviewed 1,000 consumers about how they feel about turkey. Turkey
                       lovers fell into two camps: those that prefer turkey as their main protein of choice and those who are
                       more driven by health benefits.</p>
                    ...
                 </div>
                 <small>Copyright 2014 The Associated Press. All rights reserved. This material may not be published,
                    broadcast, rewritten or redistributed.</small>
               </div>
             </div>
          </content>
        </entry>
```

A sample AP News Archive page linked to a headline is shown below:

About AP   Contact Us   Get AP Mobile   Help

AP

We found everything he needed at Angie's List.

From contractors to veterinarians, we can help you hire with confidence.

f Like 0   Tweet 0   g+1 0   More   − Text +

TURKEY FANS ARE 'TURKETARIAN' IN BUTTERBALL'S ADS

By MAE ANDERSON, Associated Press

May. 7, 2014 11:12 AM ET

NEW YORK (AP) — Are you a "Turketarian"?

Uncredited

This image from video provided by Butterball shows a scene from one of two new TV ads the company is launching. Trying to get the word out that Butterball makes more than just the big bird on Thanksgiving Day, the company is launching the ads that showcase its range of products from turkey sausage to turkey burgers and focus on people who love the lean protein. (AP Photo/Butterball)

APImages.com   More photos »

Trying to get the word out that Butterball makes more than just the big bird on Thanksgiving Day, Butterball is launching two TV ads that showcase its range of products from turkey sausage to turkey burgers and focus on people who love the lean protein.

Butterball, based in Garner, North Carolina, combined with Carolina Turkeys in 2006. The privately held company estimates that it makes one out of every five turkeys eaten on Thanksgiving. But Butterball also wants to be known for its other products such as smoked sausage and turkey burgers.

Butterball does not disclose sales figures. But rising demand for chicken and turkey — which both are less expensive than beef or pork — has led to strong demand for poultry producers like Butterball.

For its first TV effort in six years, Bill Klump, senior vice president for corporate marketing at Butterball, said the company interviewed 1,000 consumers about how they feel about turkey. Turkey lovers fell into two camps: those that prefer turkey as their main protein of choice and those who are more driven by health benefits.

The TV ads show people happily eating turkey products.

"If you can't imagine quitting turkey cold turkey. If 'protein shake' means dancing around with a turkey burger. If you think it's time we consider a new national bird.

Then you are what butterball calls a 'Turketarian," a voiceover states.

Butterball's ad agency, Y&R, considered other words, like "ambassador." But that seemed too formal, so they went with "Turketarian."

"It's one of those words that if you step back and think about it for a second the connotation

APPENDIX

ERROR CODES

In addition to the standard HTTP error codes, the error response includes an XML message in the following format:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<error>
  <code>HTTP error code</code>
  <message>Error message</message>
  <!-- Optional information about the specific error condition --!>
</error>
```

XML message example:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<error>
  <code>404</code>
  <message>The requested content item 74312a4943174baf114928ab0ec20b37 was not found</message>
  <link rel="help" href="https://developer.ap.org/api-console" />
</error>
```

CODE	MESSAGE	ACTION
400	Specified parameter {ParameterName} is invalid	Check the request syntax and parameters.
	Specified value for {ParameterName} {ParameterValue} is invalid	
	The request cannot be fulfilled due to bad syntax	
401	Invalid API Key	Check the API key. If you have just received your key, wait for a few hours and try again. If you are still getting an error, contact AP Customer Support at APCustomerSupport@ap.org.
403	Over queries per minute limit	Contact AP Customer Support at APCustomerSupport@ap.org.
	Over rate limit	
404	The requested content item {itemID} was not found	Contact AP Customer Support at APCustomerSupport@ap.org.
405	Request method {MethodName} not supported	Check the request method. Currently, GET is the only supported HTTP method for AP Breaking News API requests.
414	URI length exceeds 6000 characters	Make sure that your request is no longer than 6,000 characters.
500	Internal Server Error	Contact AP Customer Support at APCustomerSupport@ap.org.
502	Bad Gateway	
503	Service Unavailable	
504	Gateway Timeout	

TOP-LEVEL SUBJECT CATEGORIES

Subject categories are used to describe the news topic of a content item and may be returned as part of the classification metadata in the <category> element of the Content by Category method response.

Note: Subject categories are different from the AP Breaking News categories and <u>cannot</u> be used in the Content by Category request. To check which AP Breaking News categories are available and locate their IDs, use the Category List method (for more information, see "Category List Method" on page 5). Then use an AP Breaking News category ID in the Content by Category request to retrieve content for that category (for more information, see "Content by Category Method" on page 6).

VALUE	ID (GUID)
Arts and entertainment	16cb0ba3e6d24d97ace39f5a1924669a
Business	c8e409f8858510048872ff2260dd383e
Environment and nature	8783d248894710048286ba0a2b2ca13e
Events	06a735407cb61004804eba7fa5283c3e
General news	f25af2d07e4e100484f5df092526b43e
Government and politics	86aad5207dac100488ecba7fa5283c3e
Health	cc7a76087e4e10048482df092526b43e
Lifestyle	3e37e4b87df7100483d5df092526b43e
Living things	6f072ea8b0064f3584c61e22f08836ee
Media	c188eb1088be10048dceb097165a0203
Obituaries	30c418e4b7644a9eb54409baf55036d1
Oddities	44811870882f10048079ae2ac3a6923e
Science	4bf76cb87df7100483dbdf092526b43e
Social affairs	75a42fd87df7100483eedf092526b43e
Sports	54df6c687df7100483dedf092526b43e
Technology	455ef2b87df7100483d8df092526b43e