



AP Developer APIs Version 2 – Public Beta

Reference Guide

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

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Introduction

What is AP Developer?

AP Developer is a beta service from the Associated Press designed to provide access to news content through a portfolio of application programming interfaces (APIs). AP Developer includes Breaking News API and Search API.

To receive the API Key required for making API calls, register at the AP Developer Web site at <http://developer.ap.org>. For more information, see “Registering for an API Key” on page 3.

AP Developer offers two levels of service:

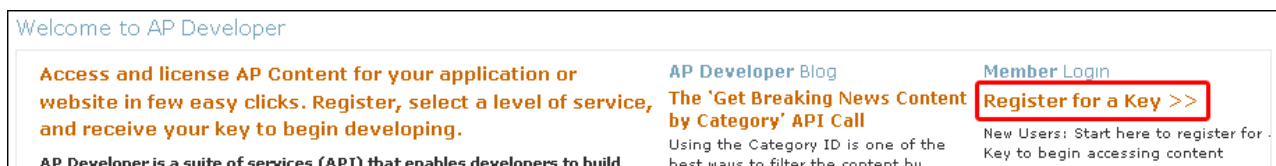
- **Full Story – Headlines and full text stories from AP with related photos.** This service offers headlines, the story itself plus 3,000 calls per day and 5 calls per second. For the full story key to be activated, you will need a content license from AP. When you apply for this service level, AP will reach out to you to negotiate the license fee.
- **Sandbox – Headlines and full stories for R&D only.** This free "Sandbox" key allows you to access full stories for R&D only. No production applications are allowed. This gives you 500 calls per day and 1 call per second.

What's New in Version 2

- **Breaking News API calls for photos.** In addition to API calls for the latest headlines, AP Developer now supports calls for photos by category. Therefore, the ‘Get Breaking News Headlines with Stories or Web Page Links’ API call name has been changed to ‘Get Breaking News Content by Category.’ Access to these categories is subject to your entitlements; use the ‘Get Breaking News Categories’ call to check availability.
- **The mediaOption parameter for retrieving related photos.** The new `mediaOption` parameter allows you to receive photos related to stories both in Search API calls and ‘Get Breaking News Content by Category’ API calls.
- **Changes to AP Top Headline results.** The AP Top Headline results now include only the entries for the individual AP Top Headline stories and no longer contain the parent entry representing the entire headline package.
- **Discontinued support for the mediaSize parameter.** The `mediaSize` parameter is no longer supported in Search API calls.
- **Parameter name change.** The `numItems` parameter has been renamed to “count” in Breaking News API calls.

Registering for an API Key

1. At the AP Developer Web site at <http://developer.ap.org>, click **Register for a Key** at upper right:



2. Follow instructions on the registration page to enter your details. Specify all of the required fields (indicated with **■**) and then click **Register** at the bottom.

Note Ensure that you enter the security text as shown. For help with entering the text, click **Help with reCAPTCHA**.

Register for an account

Register a new Mashery ID to access developer.ap.org

■ **First Name**

■ **Last Name**

■ **Email**

A validation E-mail will be sent to this address. Validation is required to complete registration.

■ **Confirm Email**

Please re-enter your email address.

■ **Username**

This is how you identify yourself for the purposes of logging in

■ **Display Name for Forum**

This is the name which other users will see


■ **Phone Number**

■ **Company**

■ **Password**

■ **Confirm Password**

Please enter the text below:



Website URL

Blog URL

3. AP Developer sends a confirmation e-mail to your e-mail address. Click the link in the confirmation e-mail to activate your account.
4. Once you have successfully registered, you can apply for access to one of the three AP Developer levels of service (Full Story or Sandbox). Click **Apply for access** under **Next Steps** on the Registration Successful page.
5. Register your application to receive the API key. Specify all of the required fields (indicated with **■**) and then click **Register Application** at the bottom.

Note Ensure that you agree to the AP Developer Terms of Service.

AP Developer Application Registration

Register Your New Application

Name of your application (you can change it later)

Are you building the application for yourself or another person/company/organization?

When are you planning to launch your application?

Web Site

Please describe what your application will do

What type of application are you building?

How many people do you anticipate will use you application?

Does your application run advertising?

Notes

How did you hear about this API?

What is your preferred protocol?

What is your preferred output format?

For which level of access would you like to apply?

Terms of Service

Please review the information that you have entered above and agree to the **terms of service**.

☐ I agree to the terms of service

Register Application

- Your API Key is displayed on the confirmation page and is sent to you by e-mail. It will be activated as soon as your application is reviewed. If you signed up for the Sandbox key, your key will be activated within 24 hours, and you will be able to use it for making calls.


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.


Getting Help

For technical help, post your questions at the Support Forum at <http://developer.ap.org/forum>. The AP Developer Team will respond within 24 hours.

AP Developer Forums

 Recent topics

Forum categories > Recent topics

Recent topics 

Suggestion: Image dimensions for enclosures and thumbnails
Started by [johnsolomon](#)
Comments **3** Last comment by [AP Developer Team](#) **3 weeks ago**

contentOption being ignored?
Started by [johnsolomon](#)
Comments **8** Last comment by [johnsolomon](#) **1 month ago**

Categories with Video?
Started by [Fortes](#)
Comments **4** Last comment by [AP Developer Team](#) **1 month ago**

Username and Password Prompt when Viewing a Category
Started by [Stuart Myles](#)
Comments **2** Last comment by [AP Developer Team](#) **1 month ago**

The Breaking News API

The Breaking News API allows you to retrieve a list of available categories and then request content (stories or photos) for a specific category. Access to these categories is subject to your entitlements. Responses are provided as XML in the hNews microformat that contains standard ATOM and XHTML elements. The hNews microformat is based on the hATOM format and includes the draft microformat hrights based on ccREL. For more information about hNews, visit <http://microformats.org/wiki/hnews>.

The ‘Get Breaking News Categories’ API Call

Description

Returns a list of available categories, including category IDs.

Request Syntax

`http://developerapi.ap.org/v2/categories.svc/?apiKey={apiKey}`

Response

Feed Descriptive Elements

Metadata Element	Description
feed	The top-level element of the feed document.
@xmlns="http://www.w3.org/2005/Atom"	The XML namespace.
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 AP 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="application/atom+xml"	Indicates that the feed is in the hNews microformat that contains standard ATOM and XHTML tags.
@href	The specific URL for the feed.

Category Descriptive Elements

The following elements are returned for each category:

Metadata 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.

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Continued

Metadata Element	Description
link	The hyperlink to the latest news for this category.
@rel="alternate"	Indicates that the URL is an alternate representation of the category.
@type="application/atom+xml"	Indicates that the latest news for this category is returned in the hNews microformat when the link is followed.
@href	The specific URL for the latest news for this category. It can be part of the URI in the “Get Breaking News Content by Category” API call (when used in conjunction with an API Key).

Response Example

```
- <feed xmlns="http://www.w3.org/2005/Atom">
  <title type="text">AP Developer Categories Feed</title>
  <id>urn:uuid:ap.org</id>
  <updated>2009-03-27T19:06:26Z</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>2009-03-27T19:06:26Z</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>2009-03-27T19:06:26Z</updated>
  <link rel="alternate" type="application/atom+xml"
    href="http://developerapi.ap.org/v2/categories.svc/31997/" />
  <content type="text" />
</entry>
...
</feed>
```

The ‘Get Breaking News Content by Category’ API Call

Description

Returns the latest content for a specific category.

- For stories: depending on the specified parameters, each headline is linked to a Web page with the full story, or the response includes the full story for each headline. The response may also include related photos, if requested and available.
- For photos: the call returns photo captions and thumbnails (small versions of photos) and links to previews (larger versions).

Request Syntax

```
http://developerapi.ap.org/v2/categories.svc/{CategoryID}?apiKey={apiKey}
[ {OptionalParameters} ]
```


Optional Parameters

Parameter	Description	Example								
count	Specifies the number of content items to be returned. Ten items are returned by default (if this parameter is not specified). The maximum allowed value is 25. The API call response may include 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.*	25								
contentOption (for stories only)	<p>(This parameter does not apply to calls for photos.)</p> <p>Specifies the type of story links to be returned or whether to return full story content in the response. Valid options are:</p> <table><tr><th>Value</th><th>Description</th></tr><tr><td>0</td><td>This is the default. The API call response includes headlines with links to AP hosted Web pages with the full stories.</td></tr><tr><td>1</td><td>Instead of the AP hosted page link, the <link rel="alternate"> element for each entry includes a link to the full story with advertisements at the AP Developer Web site.</td></tr><tr><td>2</td><td>The full story content with advertisements is returned in the “entry-content” class of the hNews section.</td></tr></table>	Value	Description	0	This is the default. The API call response includes headlines with links to AP hosted Web pages with the full stories.	1	Instead of the AP hosted page link, the <link rel="alternate"> element for each entry includes a link to the full story with advertisements at the AP Developer Web site.	2	The full story content with advertisements is returned in the “entry-content” class of the hNews section.	2
Value	Description									
0	This is the default. The API call response includes headlines with links to AP hosted Web pages with the full stories.									
1	Instead of the AP hosted page link, the <link rel="alternate"> element for each entry includes a link to the full story with advertisements at the AP Developer Web site.									
2	The full story content with advertisements is returned in the “entry-content” class of the hNews section.									
mediaOption (for stories only)	<p>(This parameter does not apply to calls for photos.)</p> <p>Includes related photos in the response. The only possible value is 1.</p>	1								
siteid (for stories only)	<p>(This parameter does not apply to calls for photos.)</p> <p>By default, links to AP hosted Web pages point to full stories displayed in AP templates. This parameter overrides the default links with links to AP hosted pages of the AP customer whose site ID is specified as the value of this parameter.</p>	okokl								

* 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.

Request Examples

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

```
http://developerapi.ap.org/v2/categories.svc/31995/?contentOption=1&apiKey={apiKey}
```

```
http://developerapi.ap.org/v2/categories.svc/31995/?contentOption=2&count=20
&apiKey={apiKey}
```

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

```
http://developerapi.ap.org/v2/categories.svc/31995/?siteid=okokl&apiKey={apiKey}
```

Response

Feed Descriptive Elements

The feed descriptive elements are the same as for the ‘Get Breaking News Categories’ API call. For more information, see “Feed Descriptive Elements” on page 7.

Content Descriptive Elements

The following metadata elements are returned for each content item:

ATOM 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 headline.
@type="text"	Indicates that the headline 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	Contains the name of the author of the content item.
name	The name of the individual who wrote the content item.
link	The hyperlink to the story (this element is not available for photos).
@rel="alternate"	Indicates that the URL is an alternate representation of the content item.
@type="text/html"	Indicates that the content item is returned as text/HTML when the link 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.
@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>.

Response Examples

Headlines with Links to AP Hosted Pages and Related Photos

This example illustrates the API call response when the `contentOption` parameter is not specified in the request, but the `mediaOption=1` parameter is specified. The `<link rel="alternate">` element that includes a link to the AP hosted 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 (note that there is no difference in the display of related photos between various content options).

```
- <feed xmlns="http://www.w3.org/2005/Atom">
  <title type="text">AP Online General Financial/Business News</title>
  <id>urn:uuid:19d4fe83-5e51-4f41-b1aa-98d11c4d9a15</id>
  <updated>2010-03-29T15:52:55Z</updated>
  <link rel="self" type="application/atom+xml" href="http://developerapi.ap.org/v2/Categories.svc/" />
  - <entry>
    <id>urn:uuid:f0625474-a2ac-4184-8d9d-31c427337c7f</id>
    <title type="text">Greece to issue new 7-year government bond in wake of last week's eurozone rescue plan</title>
    <updated>2010-03-29T11:05:18Z</updated>
    - <author>
      <name>Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <link rel="alternate" type="text/html" href="http://hosted2.ap.org/APDEFAULT/Article_2010-03-29-EU-Greece-Financial-Crisis/id-pf0625474a2ac41848d9d31c427337c7f" />
```

Continued on next page

Continued

```

<category term="423aabbbf59849eda715caba12644e60" label="Financial crisis"
  scheme="http://topics.ap.org/v1/Tags.svc" />
...
- <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://ap.photos.prod.s3.amazonaws.com/4193f3d224064d05c60e6a70670013fa?AWSAccessKeyId=AKIAI...&Expires=1270137173&Signature=1gcDt...">
          
          </a>
          <div class="fn">Greece Financial Crisis</div>
        </div>
      </div>
    </div>
  </content>
</entry>
</feed>

```

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


Associated Press

Essential News from The Associated Press

Jun. 10, 2010 3:57 PM ET
 AA A - +

California teen girl in trouble on solo world sail

JOHN ANTCAZAK, Associated Press Writer

 Email
  Print
  Save
  Reuse
  Article Reprints
  Photo Reprints
  AIM
  Share

LOS ANGELES (AP) — A 16-year-old Southern California girl attempting a solo sail around the world was feared in trouble Thursday in the frigid, heaving southern Indian Ocean after her emergency beacons began signaling and communication was lost.

Abby Sunderland's family was talking with U.S. and international governments about organizing a search of the remote ocean between southern Africa and Australia, family spokesman Christian Pinkston said.

Conditions can quickly become perilous for any sailor exposed to the elements in that part of the world.

"We've got to get a plane out there quick," said Pinkston, adding that the teen's family in Thousand Oaks was asking for prayers for her safety.

"They are exhausting every resource to try to mobilize an air rescue including discussions with the U.S. State Department, the U.S. Coast Guard and various international rescue organizations," he said. The closest land is France's Reunion Island, east of Madagascar, though the exact distance wasn't clear.

Abby last communicated with her family at 4 a.m. PDT and reported 30-foot swells but was not in distress, Pinkston said.

An hour later the family was notified that her emergency beacons had been activated, and there was no further communication. Pinkston said the beacons were manually activated.



FILE - In this Saturday, Jan 23, 2010 picture, Abby Sunderland, 16, looks out from her sailboat, Wild Eyes, as she leaves for her world record attempting journey at the Del Rey Yacht Club in Marina del Rey, Calif. Rescuers searched Thursday, June 10, 2010 for her somewhere between Africa and Australia. He says emergency beacons were activated overnight and there has been a loss of communication. She was feared in trouble in the southern Indian Ocean. (AP Photo/Richard Hartog)

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Headlines with Links to AP Developer Pages

This example illustrates the API call response when the `contentOption=1` parameter is specified in the request. The `<link rel="alternate">` element that includes a link to the AP Developer page is shown in gray.

```
- <feed xmlns="http://www.w3.org/2005/Atom">
  <title type="text">AP Online General Financial/Business News</title>
  <id>urn:uuid:71098795-e64a-4b05-9d3d-3e6365a5c57f</id>
  <updated>2010-03-29T15:53:35Z</updated>
  <link rel="self" type="application/atom+xml" href="http://developerapi.ap.org/v2/Categories.svc/" />
  - <entry>
    <id>urn:uuid:f0625474-a2ac-4184-8d9d-31c427337c7f</id>
    <title type="text">Greece to issue new 7-year government bond in wake of last week's eurozone rescue plan</title>
    <updated>2010-03-29T11:05:18Z</updated>
    - <author>
      <name>Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <link rel="alternate" type="text/html"
      href="http://developerapi.ap.org/v2/Entries.svc/595b37edbb7842398d327c84d56652b7" />
    <category term="423aabbbf59849eda715caba12644e60" label="Financial crisis"
      scheme="http://topics.ap.org/v1/Tags.svc" />
    ...
    + <content type="xhtml">
      </entry>
    </feed>
```

Headlines with Full Story Content

This example illustrates the API call response when the `contentOption=2` parameter is specified in the request. The "entry-content" class containing the full story is shown in gray.

```
- <feed xmlns="http://www.w3.org/2005/Atom">
  <title type="text">AP Online General Financial/Business News</title>
  <id>urn:uuid:a8ab814d-02a0-4591-bd3b-81152a84a2d6</id>
  <updated>2010-03-29T15:54:11Z</updated>
  <link rel="self" type="application/atom+xml" href="http://developerapi.ap.org/v2/Categories.svc/" />
  - <entry>
    <id>urn:uuid:f0625474-a2ac-4184-8d9d-31c427337c7f</id>
    <title type="text">Greece to issue new 7-year government bond in wake of last week's eurozone rescue plan</title>
    <updated>2010-03-29T11:05:18Z</updated>
    - <author>
      <name>Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <link rel="alternate" type="text/html" href="http://hosted2.ap.org/APDEFAULT/Article_2010-03-29-EU-Greece-Financial-Crisis/id-pf0625474a2ac41848d9d31c427337c7f" />
    <category term="423aabbbf59849eda715caba12644e60" label="Financial crisis"
      scheme="http://topics.ap.org/v1/Tags.svc" />
    ...
    - <content type="xhtml">
      - <div xmlns="http://www.w3.org/1999/xhtml">
        - <div class="hnews hentry item">
          ...
          - <div class="entry-content">
            - <p>
              <abbr title="37.9833333,23.7333333" class="dateline geo">ATHENS, Greece</abbr>
              (AP) — Greece appointed five banks to handle a new seven-year bond issue Monday — the first after eurozone nations agreed on a plan to help the debt-ridden country should it find itself unable to pay off loans.</p>
              ...
              <p>The Socialist government has already announced a series of harsh austerity measures, including cuts in pay for civil servants, pension freezes and tax increases.</p>
            </div>
            ...
          </div>
        </div>
      </content>
    </entry>
```

Photos

This example illustrates the API call response when the specified category contains photos. The link to the preview version of the photo is highlighted in dark gray. The caption and the thumbnail are highlighted in lighter gray.

```
- <feed xmlns="http://www.w3.org/2005/Atom">
  <title type="text" />
  <id>urn:uuid:0408b8d0-55e2-4ead-b6ae-45105711f72d</id>
  <updated>2010-03-26T15:04:22Z</updated>
  <link rel="self" type="application/atom+xml" href="http://developerapi.ap.org/v2/Categories.svc/" />
  - <entry>
    <id>urn:uuid:82317248-d5e0-42d4-80e8-9492d2e3c6a9</id>
    <title type="text">George Papandreou</title>
    <updated>2010-03-25T15:17:39Z</updated>
    - <author>
      <name>Michel Euler</name>
    </author>
    - <author>
      <name>VM</name>
    </author>
    <category term="423aabbbf59849eda715caba12644e60" label="Financial crisis"
      scheme="http://topics.ap.org/v1/Tags.svc" />
    ...
    - <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://ap.photos.prod.s3.amazonaws.com/3da513ee150b3705c60e6a7067002a91?AWSAccessKeyId=AKIAI...&Expires=1269875062&Signature=QPgfe...">
              
              </a>
              <div class="fn">Belgium Europe Financial Crisis</div>
            </div>
          </div>
        </div>
      </content>
    </entry>
  </feed>
```

The Search API

The Search News API allows you to perform basic free-text searches of content from the last three days. Searches by geographic location are also supported. Responses are provided as XML in the hNews microformat that contains standard ATOM, OpenSearch and XHTML elements. For more information about hNews, visit <http://microformats.org/wiki/hnews>.

The Search API Call

Request Syntax

```
http://developerapi.ap.org/v2/search.svc/{role}/?searchTerms={searchTerms}&apiKey={apiKey}[{OptionalParameters}]
```

Required Parameters

Parameter	Description	Example						
role	Search request type. Possible values are:	request						
	<table><tr><th>Value</th><th>Description</th></tr><tr><td>request</td><td>Retrieves results that match the specified search terms.</td></tr><tr><td>similar</td><td>Retrieves content items that are similar to the content item whose entry ID is specified in the request (the entry ID is the value of the entry's <id> element).</td></tr></table>		Value	Description	request	Retrieves results that match the specified search terms.	similar	Retrieves content items that are similar to the content item whose entry ID is specified in the request (the entry ID is the value of the entry's <id> element).
	Value		Description					
	request		Retrieves results that match the specified search terms.					
similar	Retrieves content items that are similar to the content item whose entry ID is specified in the request (the entry ID is the value of the entry's <id> element).							
searchTerms	Contains the search keyword (when the role is <code>request</code>) or the entry ID (when the role is <code>similar</code>). The value must be URL-encoded. For more information, see “Supported Search Syntax” on page 16.	barack+obama						

Optional Parameters

Parameter	Description	Example
count	Specifies the number of search results per page. The default is 10 results with a maximum of 50 per page.	20
startPage	Specifies the page number of the set of search results.	2
mediaOption	Includes related photos in the response. The only possible value is 1.	1
location	Refines the search by location. The value can be any of the following: <ul style="list-style-type: none"> City, State US zip code City, State, Zip Note If zip code is specified, it will take priority over city and state.	Fremont, CA 94536
latitude	The latitude of the location. The range of possible values is -90 to 90.	37.585942
longitude	The longitude of the location. The range of possible values is -180 to 180. Note If both latitude and longitude are specified, they will take priority over all other location parameters.	122.192345
radius	The distance in miles from the specified location. The default is 100.	50

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Continued

Parameter	Description	Example
sortByLocation	Orders results by proximity to the specified location.	true
siteid	By default, links to AP hosted Web pages point to full stories displayed in AP templates. This parameter overrides the default links with links to AP hosted pages of the AP customer whose site ID is specified as the value of this parameter.	okokl

Request Examples

Keyword Searches

```
http://developerapi.ap.org/v2/search.svc/request/?searchTerms=obama&apiKey={apiKey}
```

```
http://developerapi.ap.org/v2/search.svc/request/?searchTerms=barack+obama&count=25
&startPage=2&apiKey={apiKey}
```

Search for Similar News Items

```
http://developerapi.ap.org/v2/search.svc/similar/?searchTerms=
p360ebd870fb2462caa5e9beb5cceff9e&apiKey={apiKey}
```

Search with Related Media

```
http://developerapi.ap.org/v2/search.svc/request/?searchTerms=obama&mediaOption=1
&apiKey={apiKey}
```

Latitude and Longitude Search

```
http://developerapi.ap.org/v2/search.svc/request/?searchTerms=president&latitude=
37.585942&longitude=-122.192345&radius=50&apiKey={apiKey}
```

Location Search (Zip Code)

```
http://developerapi.ap.org/v2/search.svc/request/?searchTerms=president&location=94536&
sortBylocation=true&apiKey={apiKey}
```

Search with Site ID

```
http://developerapi.ap.org/v2/search.svc/request/?searchTerms=president&siteid=okokl
&apiKey={apiKey}
```

Response

Feed Descriptive Elements

The ATOM feed descriptive elements are the same as for the “Get Breaking News Categories” API call. For more information, see “Feed Descriptive Elements” on page 7.

The following OpenSearch elements are returned for each query:

OpenSearch Element	Description
totalResults	The number of results available for the current search.
startIndex	The index of the first search result in the current set of search results.
itemsPerPage	The number of search results returned per page. The default value is equal to the number of search results on the current page.

Content Descriptive Elements

The content descriptive elements are the same as for the “The ‘Get Breaking News Content by Category’ API Call” on page 8.

Response Example

This example shows a keyword search response.

```
- <feed xmlns:opensearch="http://a9.com/-/spec/opensearch/1.1/" xmlns="http://www.w3.org/2005/Atom">
  <title type="text">AP Developer Search Results</title>
  <id>urn:uuid:ap.org</id>
  <updated>2009-08-12T19:22:02Z</updated>
  <link rel="self" type="application/atom+xml"
    href="http://developerapi.ap.org/v2/Search.svc/Request/?searchTerms=barack+obama" />
  <opensearch:totalresults>14</opensearch:totalresults>
  <opensearch:startIndex>1</opensearch:startIndex>
  <opensearch:itemsPerPage>5</opensearch:itemsPerPage>
  <query role="request" searchTerms="barack obama" startPage="1" xmlns="" />
- <entry>
  <id>urn:uuid:17054542328741c3a7d83b6adda731c3</id>
  <title type="text">Politicians, activists, actors among 16 Medal of Freedom winners</title>
  <updated>2009-08-12T13:22:50Z</updated>
  <link rel="alternate" type="text/html" href="http://hosted2.ap.org/APDEFAULT/Article_2009-08-12-US-
    Obama-Medal-of-Freedom/id-p17054542328741c3a7d83b6adda731c3" />
- <content type="xhtml">
  - <div xmlns="http://www.w3.org/1999/xhtml">
    + <div class="hnews hentry">
      </div>
    </content>
  </entry>
  ...
</feed>
```

Supported Search Syntax

Important: Make sure that the search term value is URL-encoded in Search API calls. For example, the URL-encoded value of the sample query "Barack Obama" Iraq is "Barack+Obama"+Iraq.

Search Type	Description	
Basic Keywords	A basic query contains one or more words and no operators.	
	Sample Query	Returned Results
	Iraq	Returns all documents containing the word “Iraq” and related word variations, such as “Iraqi”, but not “Iran”.
	iraq	Returns the same results as <i>Iraq</i> (case is ignored).
	Obama Iraq Obama	Returns the same results as <i>Obama Iraq</i> (repeated words are ignored).
Quotation Marks	Use quotation marks to specify exact phrases.	
	Sample Query	Returned Results
	"Iraq"	Returns all documents containing the word “Iraq”. Since stemming is not applied to the words in quotation marks, the query will match “Iraq” but not “Iraqi”.
	"iraq"	Returns the same results as <i>Iraq</i> (case is still ignored in quoted text).
	"Barack Obama" Iraq	Returns all documents containing “Barack Obama” and “Iraq”. Stemming is applied to “Iraq”, so the query will match “Barack Obama announces Iraqi elections”, but will not match “President Obama visits Iraq”.
	"The Who" Performed	Stop words are not ignored in the quoted text. This query will match “The Who performed at MSG”, but will not match “Who performed at MSG?”

Continued on next page

Continued

Search Type	Description																		
Boolean Operators	Supported Boolean operators are AND, OR and AND NOT. Parentheses can be used to specify the order in which the operations are performed. By default, AND always has precedence over OR. Note: XOR and EOR (both of which stand for exclusive OR), NAND (NOT AND) and NOR (NOT OR) are not supported.																		
	<table><tr><th>Sample Query</th><th>Returned Results</th></tr><tr><td>Obama AND Iraq AND election</td><td>Returns all documents containing all of the words “Obama,” “Iraq,” and “election.” This is equivalent to <i>Obama Iraq Election</i>.</td></tr><tr><td>Obama OR Iraq</td><td>Returns all documents containing either “Obama” or “Iraq.” The query will match both “Barack Obama” and “Iraqi elections.”</td></tr><tr><td>Obama AND Iraq AND NOT Iran</td><td>Returns all documents that contain both “Obama” and “Iraq,” but not “Iran.”</td></tr><tr><td>"Barack Obama" OR Iraq OR Iran</td><td>Returns all documents with either the exact phrase “Barack Obama,” the word “Iraq” or the word “Iran.”</td></tr><tr><td>Obama OR Iraq AND Iran</td><td>By convention, AND always has precedence over OR. This search returns all documents containing “Obama” and all documents that contain both “Iraq” and “Iran.”</td></tr><tr><td>(Obama OR Iraq) AND Iran</td><td>This query will match “Obama visits Iran,” “Iraq borders Iran” or “Obama visits the Iraq-Iran border.” It will not match “Obama visits Hawaii.”</td></tr><tr><td>Obama OR democratic president</td><td>Phrases have an implicit AND between the words unless they are explicitly quoted. This search is equivalent to <i>Obama OR democratic AND president</i>. This query will match “Obama the Democratic President,” “Mr. Obama” or “The President was from the Democratic party.” It will not match “President Obama.”</td></tr><tr><td>Obama OR "democratic president"</td><td>This query will match “Obama the Democratic President” or “Mr. Obama.” It will not match “President Obama” or “The President was from the Democratic party.”</td></tr></table>	Sample Query	Returned Results	Obama AND Iraq AND election	Returns all documents containing all of the words “Obama,” “Iraq,” and “election.” This is equivalent to <i>Obama Iraq Election</i> .	Obama OR Iraq	Returns all documents containing either “Obama” or “Iraq.” The query will match both “Barack Obama” and “Iraqi elections.”	Obama AND Iraq AND NOT Iran	Returns all documents that contain both “Obama” and “Iraq,” but not “Iran.”	"Barack Obama" OR Iraq OR Iran	Returns all documents with either the exact phrase “Barack Obama,” the word “Iraq” or the word “Iran.”	Obama OR Iraq AND Iran	By convention, AND always has precedence over OR. This search returns all documents containing “Obama” and all documents that contain both “Iraq” and “Iran.”	(Obama OR Iraq) AND Iran	This query will match “Obama visits Iran,” “Iraq borders Iran” or “Obama visits the Iraq-Iran border.” It will not match “Obama visits Hawaii.”	Obama OR democratic president	Phrases have an implicit AND between the words unless they are explicitly quoted. This search is equivalent to <i>Obama OR democratic AND president</i> . This query will match “Obama the Democratic President,” “Mr. Obama” or “The President was from the Democratic party.” It will not match “President Obama.”	Obama OR "democratic president"	This query will match “Obama the Democratic President” or “Mr. Obama.” It will not match “President Obama” or “The President was from the Democratic party.”
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Obama OR "democratic president"	This query will match “Obama the Democratic President” or “Mr. Obama.” It will not match “President Obama” or “The President was from the Democratic party.”																		
Wildcard Searches	Search API supports the following wildcard characters: <ul style="list-style-type: none">• Question mark (“?”) to substitute any single character in a query term.• Asterisk (“*”) to substitute zero, one or more characters.																		
	<table><tr><th>Sample Query</th><th>Returned Results</th></tr><tr><td>Ira?</td><td>This query matches any four-letter word beginning with “ira.” It matches “Iraq” and “Iran,” but does not match “Iris,” “IRA,” “miracle,” “IRAAM” or “Aardvark.”</td></tr><tr><td>ira*</td><td>This query matches any word beginning with “ira.” It matches “Iraq,” “Iran,” “IRA” and “IRAAM.” It does not match “Iris,” “miracle” or “aardvark.”</td></tr><tr><td>Obama AND ira?</td><td>This search returns any document containing “Obama” and any four-letter word beginning with “ira.” This query will match “Obama visits Iraq” or “Obama visits Iran.” It will not match “Will Obama meet the IRA?”</td></tr><tr><td>Obama AND "ira?"</td><td>Wildcards are considered even when the term is enclosed in quotation marks. This query is equivalent to <i>Obama AND ira?</i></td></tr></table>	Sample Query	Returned Results	Ira?	This query matches any four-letter word beginning with “ira.” It matches “Iraq” and “Iran,” but does not match “Iris,” “IRA,” “miracle,” “IRAAM” or “Aardvark.”	ira*	This query matches any word beginning with “ira.” It matches “Iraq,” “Iran,” “IRA” and “IRAAM.” It does not match “Iris,” “miracle” or “aardvark.”	Obama AND ira?	This search returns any document containing “Obama” and any four-letter word beginning with “ira.” This query will match “Obama visits Iraq” or “Obama visits Iran.” It will not match “Will Obama meet the IRA?”	Obama AND "ira?"	Wildcards are considered even when the term is enclosed in quotation marks. This query is equivalent to <i>Obama AND ira?</i>								
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