AP

AP CONTENT API 2.10

Developer's Guide

December 1, 2016

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INTRODUCTION

ABOUT THIS GUIDE

Audience

This guide is intended for software engineers who develop applications that access AP Images and AP Video 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 DOCUMENTS AND RESOURCES

FAQs and Troubleshooting

AP Content API FAQs are available at http://customersupport.ap.org/api/Help/index.htm. They provide an introduction to the API, reference all available documentation and resources, and offer troubleshooting information for frequently encountered issues.

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.

Code Examples

To get started with AP Content API development, you can follow sample code (for example, in C#, Java, PHP, Python and PowerShell) at https://github.com/TheAssociatedPress/APISamples.

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 CONTENT API

The AP Content API allows you to search and download content using your own editorial tools, without having to visit AP portals, such as apimages.com.
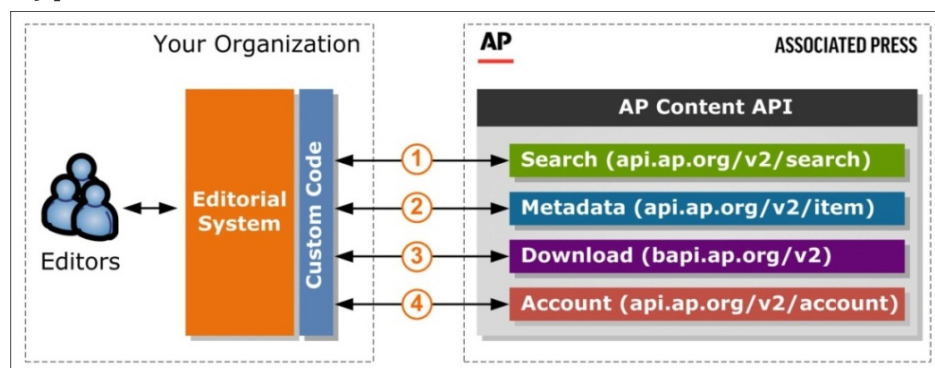
The API provides access to:

– **Images**. AP-owned, member-owned and third-party images, including the full AP Images archive and the GraphicsBank collection.

– **Video**. AP-produced and select third-party video.

⚠ **Important**:

– Content available to you via the API depends on your plan. Please refer to contract information for details and contact your AP Sales or Licensing representative with any questions.

– If you currently access images via Content API and are interested in accessing video, please contact your AP Sales representative for more information.

Typical Workflow Overview

Work with your own editorial system. Your editors search and download AP Images and AP Video content using your own editorial tools:

① **Run a search**. When an editor performs a search in your editorial system, your custom program searches the AP Images or AP Video collection and displays search results along with key metadata. Content item pricing is available upon request.

② **Pick a result to view metadata**. When an editor selects a search result, your custom program retrieves full content metadata (optionally, with pricing) from the AP Content API system.

③ **Download content**. When an editor wants to download an image or video file, your custom program downloads the requested content file from the AP Content API system.

④ **Review your account information**. When an editor wants to check how many downloads available for your plan have already been used or download your order history, your custom program retrieves your plan and usage information or order history from AP Content API.

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 Protocols

– HTTPS 1.1 is supported for the API calls to api.ap.org.

– HTTP 1.1 is supported for the API calls to bapi.ap.org.

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 Practices

It is recommended that your client application download content item renditions or retrieve full metadata using the <u>links returned in search results</u> instead of constructing those links.

🔍 **Note**: This practice is also beneficial since the links returned in search results may contain additional optional parameters used for performance or troubleshooting.

⚠️ **Important**: To receive pricing information in the Item Metadata method responses, make sure to add the showPricing=true parameter to the item metadata links along with the apiKey parameter.

WHAT'S NEW IN THIS RELEASE

⚠️ **Important note about required changes to your client application.** If you are currently using:

– **NewsML-G2 photo item metadata**, see "Changes to NewsML-G2 Photo Item Metadata" below.
– **Search results in JSON**, see "JSON Error Messages" on page 7.

Changes to NewsML-G2 Photo Item Metadata

⚠️ **Important note for users of NewsML-G2 photo item metadata**: If you are currently using NewsML-G2 photo item metadata returned in the <u>full item metadata</u> response (for more information, see "Item Metadata Method" on page 36), you must <u>make changes to your client application</u> to process the changes to the metadata elements and attributes described in this section.

Renamed Attribute

remoteContent/@orientation **has been properly** <u>renamed</u> **to** @layoutorientation <u>in the photo item metadata</u>. The image orientation—landscape (horizontal) or portrait (vertical)—indicates whether the human interpretation of the top of the image is aligned to its short side (vertical) or long side (horizontal). Possible values are loutorient:horizontal **(landscape images) and** loutorient:vertical **(portrait images); for example:**

```
<remoteContent residref="dc267e5a84837100030f6a7067006aad" href="http://bapi.ap.org/v2/item/photo/
fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg" residref="dc267e5a84837100030f6a7067006aad" rendition="rnd:highRes"
layoutorientation="loutorient:vertical"... />
```

Removed Elements and Attributes

The following elements and attributes have been <u>removed from the photo item metadata</u>:

– by. Natural language author/creator information; for example, <by>Joel Ryan</by><by>JR</by>. Photographers and caption writers are identified in the <creator> and <contributor> elements, respectively.
– headline **markup (for example,** xml:lang="en-us" **in** <headline xml:lang="en-us">) **has been removed,** and the headline now appears in the <headline> element with no additional HTML markup.

New Elements and Attributes

The following elements and attributes have been <u>added to the photo item metadata</u>:

– firstCreated. The date and time when the content item was originally published; for example:
```
<firstCreated>2012-01-05T17:33:53Z</firstCreated>
```
– provider/name. The content item provider; for example:
```
<provider qcode="approviderid:AP">
   <name>AP</name>
</provider>
```
– creator/@role. The party who created the content (for example, a photographer):
```
<creator role="aprol:photographer" jobtitle="aptitle:STAFF" literal="STF">
   <name>Joel Ryan</name>
</creator>
```

–   contributor/@jobtitle. **The title of the party who contributed to the content (for example, a caption writer):**

```
<contributor role="aprol:captionwriter" jobtitle="aptitle:CaptionWriter">
    <name>JR</name>
</contributor>
```

–   subject/name **(the standardized term name) is now always returned; for example:**

```
<subject type="cpnat:abstract" qcode="apsubject:b4ed19d87e5c10048565df092526b43e" why="why:direct"
  creator="apsubcreator:Teragram">
   <name>Celebrity</name>
   <broader qcode="apsubject:5b4319707dd310048b23df092526b43e">
       <name>Entertainment</name>
   </broader>
</subject>
```

–   remoteContent/hash **and** remoteContent/hash/@hashtype. **A short digest (also known as** *checksum* **or** *hash*) **of the content item data and the algorithm used to create the digest, such as the** MD5 **digest algorithm; for example:**

```
<remoteContent residref="dc267e5a84837100030f6a7067006aad"
  href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg" ... />
    <hash hashtype="htype:md5">95957d5c8b7962d79e57ea3978bb4c61</hash>
```

–   remoteContent/@resolution. **The recommended printing resolution in dots per inch; for example:**

```
<remoteContent residref="f9709a7025c8f111d80e6a7067002f3c" href="http://bapi.ap.org/v2/item/
0ae76e1da53143a7820f780c10125755/Main?format=jpeg&filename=0ae76e1da53143a7820f780c10125755_binary_693x52
0.jpeg" rendition="rnd:highRes" layoutorientation="loutorient:vertical" size="82488" contenttype="image/jpeg"
format="frmt:JPEG_Baseline" width="693" height="520" resolution="120">
```

Video Content

AP Content API now allows global searches across AP-produced video and select third-party video.

Note: If you currently access images via Content API and are interested in accessing video, please contact your AP Sales representative for more information.

Search Requests

Base URI

To search for video, specify /video in <u>search</u> requests; for example, to search for video related to the Cannes Festival, you can use the following request:

https://api.ap.org/v2/search/video?apiKey={apiKey}&q=Cannes+Festival

Optional Search Parameters

For video, the API supports all of the search parameters available for photos and applicable to video. The following parameters are <u>not</u> applicable to video: photographer, event, imageId **and** transref.

Additional search parameters supported <u>only</u> for video include:

–   **Story ID**. The API supports specifying story ID (AP Video Archive story number) as a keyword in the search query (for example, q=743070 or q=apus054679) **and as a metadata field within the search query (for example:** q=storyid=743070 or q=storyid=apus054679).

–   **Color space**. The API supports specifying the color space of video (color or black-and-white) as a metadata field within the search query (for example: q=colorspace=color **or** q=colorspace=black).

Search Parameter Values

For video, the values of the sortby parameter include:

VALUE	DISPLAYS...
relevance	The most relevant items first (this is the default for video).
creationDate	The latest items first.
creationDate/sort.ascending	The oldest items first.

For more information, see "Search" on page 10.

Item Metadata Requests

Links to full item metadata are available in the search results. Full item metadata requests for video have the same format as photo item metadata requests (the media type is not included); for example:

https://api.ap.org/v2/item/9cd290d6bb6978e7f8a47836af700e77?apiKey={apiKey}

For more information, see "Item Metadata Method" on page 36.

Use Information and Special Instructions for Video

The human-readable use information returned for video in API search results includes:

- **Use information**; for example, "This video is intended for editorial use only. For other uses, additional clearances may be required."
- **Special restrictions** (if any); for example: "AP Clients Only" and an important message for all video: "Always check the full metadata for any special restrictions."

  ⚠️ **Important**: Always check the full item metadata for any special restrictions in the script/shotlist (description role="drol:script" and/or description role="drol:shotlist" in NewsML-G2) and for any special instructions in the editorial note (edNote in NewsML-G2). For more information, see "Usage Instructions and Pricing" on page 29.

New Options for Filtering Requested Content by Date/Time

Content API now offers additional options for limiting requested content sets by date and time. New formats of the creationDate and arrivalDate parameter values in API search requests are:

- #**daysAgo** where # must be a whole number in the range 1-999. For example, if today is August 4, 2016, 2daysAgo would be equivalent to midnight of 2016-08-02 in Coordinated Universal Time (UTC).
- #**hoursAgo** where # must be a whole number in the range 1-999.

For example, to request images that match the keyword "soccer" and arrived later than two days ago, you can use the following request:

https://api.ap.org/v2/search?apiKey={apiKey}&q=soccer+AND+arrivaldate>2daysAgo

For more information, see "Search" on page 10.

API Codes and Error Messages

JSON Error Messages

⚠️ **Important note for users of JSON search results**: If you are currently requesting search results in JSON, you must make changes to your client application to process the error messages returned in JSON.

By default, error messages are returned in XML. If JSON is requested (in the Accept header or in the format parameter value), the error is now returned in JSON. For example, the following error is returned if JSON is requested and detail=tires is specified instead of detail=tiers in the My Plans request:

```
{
  "code": 400,
  "detailCode": 5001,
  "message": "Specified value for detail 'tires' is invalid"
}
```

Detail Error Codes

In addition to HTTP status codes, Content API now returns detail error codes if available. For example, the following error is returned if "query" is specified instead of "q" in the search request:

```
<Error xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Code>400</Code>
  <DetailCode>5000</DetailCode>
  <Message>Specified parameter 'query' is invalid</Message>
</Error>
```

To access the list of detail error codes in XML:

http://api.ap.org/v2/docs/errors?apikey={apiKey}

To access the list of detail error codes in JSON:

http://api.ap.org/v2/docs/errors?apikey={apiKey}&format=json

For more information about API codes and suggested actions, see "API Codes" on page 59.

Use Codes

Search Results and Full Item Metadata

A use code is now returned in addition to the pricing message in search results and full item metadata responses if the showPricing=true parameter is specified in the request:

	PRICING SCENARIO	USE CODE	PLAN TYPE	API PRICING MESSAGE
	Included in Your Plan	810	Choice	Included in your Choice plan at the Tier indicated.
		801	Other plans	Included in your plan.
	Not Included in Your Plan (Extra Charge)	851	All plans	Not included in your plan. Available for an extra charge.
	Not Included In Your Plan (Contact Licensing)	860	All plans	Not included in your plan. To learn more about license rights, please contact your licensing representative.

XML

In XML search results and full item metadata responses, the use code for the pricing message is returned in the "role" attribute of the usageTerms element (for example, role="apusecode:801"):

```
<usageTerms role="apusecode:801">Included in your plan.</usageTerms>
```

JSON

In JSON search results, the pricing message use code is returned in the "apUseCode" property; for example:

```
"usageTerms": [
    "This content is intended for editorial use only. For other uses, additional clearances may be required.",
    "No Use in Japan",
    "Included in your plan."],
  "apUseCode": "801",
```

Download Price Exceptions

Most high-resolution content item downloads return the status code 302 and a redirect to the content item binary. In some cases, the API may return the status code 402 (if the download price has changed) or 403 (if the download is no longer allowed). These download price exceptions require you to parse the NewsML-G2 portion of the response and optionally, follow an updated download link (for more information, see "Download After a Price Change" on page 44 and "Download No Longer Allowed" on page 45).

This release adds a use code to the pricing message returned in usageTerms in the NewsML-G2 portion of the download price exception response. The download exception price codes are mapped to a higher range to distinguish them from the use codes returned in search results and full item metadata; for example:

Download after a price change (now available for an extra charge):

```
<usageTerms role="apusecode:1851">Not included in your plan. Available for an extra charge.</usageTerms>
```

Download no longer allowed:

```
<usageTerms role="apusecode:1860">Not included in your plan. To learn more about license rights, please contact your licensing
    representative.</usageTerms>
```

Known Issue

Note: This known issue is not applicable to video or GraphicsBank.

Searches by transref (http://api.ap.org/v2/search/photo?transref=EPNY01&arrivalDate=2013-10-08) may return no results. The arrivalDate parameter in the search request by transref erroneously searches the content item's <published> date instead of its <updated> date. If the item's <updated> and <published> dates are the same, the item is returned in search results; however, if these dates are different, the item is not found by transref, and no results are returned.

PREVIEW ENVIRONMENT

The AP Content 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. AP strongly recommends testing the changes in the preview environment before they become available in your production systems.

– **Preview Server URL**: https://apipreview.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.

– **Restricted Downloads**. Intended as a testing platform, the preview environment provides restricted download access compared to the production environment. The main renditions of a content item (for example, high-resolution images) are not available for download in the preview environment.

> **Note**: If the showPricing=true parameter is specified in the request, the usage terms for all content items in the preview environment include the "860" use code:

```
<usageTerms role="apusecode:860">Not included in your plan. To learn more about license rights, please contact your licensing representative.</usageTerms>
```

SEARCH

SEARCH METHOD

Description
Searches AP Images or AP Video content using the specified search criteria. Optionally, returns content item pricing information.

Request

METHOD	REQUEST URI
GET	https://api.ap.org/{version}/search[/{mediaType}]?apiKey={apiKey}[{OptionalSearchParameters}]
	⚠️ **Important**: The request URI must be URL-encoded.

Request URI Parameters

Required Base URI Parameter

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is v2.	v2

Optional Base URI Parameter

PARAMETER	DESCRIPTION	EXAMPLE
mediaType	The content media type. Valid values are photo (this is the default for AP Images, including all GraphicsBank content), graphic and video.	video

Optional Search Parameters

🔍 **Note**: An implied AND operator is used between the parameters.

PARAMETER	DESCRIPTION	EXAMPLE
q	The query expression. For more information, see "Supported Search Syntax" on page 27. 🔍 **Note:** Parameters marked by a dagger ("†") in this table can also be used as part of the query expression along with additional metadata fields. For more information, see "Metadata Fields Used in Search Expressions" on page 29.	Sarah+Jessica+Parker Tom+Cruise&creation Date%3E2008
contentSet	The AP Images content set to be searched. Valid options are: – editorial: Editorial images. – creativeRM: Creative rights-managed images. – creativeRF: Creative royalty-free images. – GraphicsBank: All GraphicsBank content. – GraphicsBank_Graphic: Graphics content from GraphicsBank. – GraphicsBank_Photo: Photo content from GraphicsBank. – all: All available content sets (this is the default).	editorial GraphicsBank
source†	One or more content creators. Multiple sources must be separated by commas (an implied OR operator is used between the sources).	AP,Image+Source
locations†	A geographic location in the AP Geography vocabulary. Either the full name or the abbreviation of a US state or Canadian province may be specified. The list of AP Geography locations is available at https://developer.ap.org/sites/default/files/APGeography.xls.	San+Francisco+CA California CA Spain

PARAMETER	DESCRIPTION	EXAMPLE
person[†]	The name of a person who is featured in the content item. Multiple names must be separated by commas (an implied OR operator is used between the names). This parameter may be used more than once in the URI to specify multiple names that are connected by an implied AND operator. This field is not applicable to video.	Tom+Cruise, Katie+Holmes
photographer[†]	The photographer's first and/or last name. This field is not applicable to video or GraphicsBank.	Evan+Agostini
event[†]	One or more words from the title of a specific event. This field is not applicable to video or GraphicsBank.	MoMA+Film+ Benefit
subject[†]	Subject category in the AP Subject vocabulary. For a list of top-level subjects, see "Top-Level Subject Categories" on page 60. For the full list, see https://developer.ap.org/sites/default/files/APSubjects.xls.	Entertainment
imageId[†]	One or more image ID numbers assigned to content items. Multiple IDs must be separated by commas (an implied OR operator is used between each image ID). This field is not applicable to video.	111115013174, 111115175924
transref[†]	Transmission reference number. This field is not applicable to GraphicsBank. This field is not applicable to video or GraphicsBank.	DEL161
creationDate[†]	The date when the content item was created. For GraphicsBank items, this is the date of the news event that the graphic illustrates. Valid date/time formats are: – YYYY-MM-DD, YYYY-MM, YYYY or YYYY-MM-DDTHH:mmZ where the value must be in Coordinated Universal Time (UTC). – #daysAgo where # must be a whole number in the range 1-999. For example, if today is August 4, 2016, 2daysAgo would be equivalent to midnight of 2016-08-02 in UTC. – #hoursAgo where # must be a whole number in the range 1-999.	2011-12-02 2011 2011-12-02T17:52Z 10daysAgo 4hoursAgo
arrivalDate[†]	The date when the content item was released. By default, the entire AP Images or AP Video collection is searched. Valid date/time formats are: – YYYY-MM-DD, YYYY-MM, YYYY or YYYY-MM-DDTHH:mmZ where the value must be in Coordinated Universal Time (UTC). – #daysAgo where # must be a whole number in the range 1-999. – #hoursAgo where # must be a whole number in the range 1-999.	2011-12-02 2011-12-02T17:52Z 10daysAgo 4hoursAgo
showPricing	By default, pricing information is not returned in the response. When showPricing=true is specified in the request, the response includes pricing for each content item. ⚠ **Important**: Item metadata links in search results do <u>not</u> include the showPricing=true parameter. To receive pricing information in the Item Metadata method responses, make sure to add the showPricing=true parameter to the item metadata links along with the apiKey parameter.	true
showParametrics	By default, query facets that allow you to refine the original search are returned for each content item at the entry level only. When showParametrics=true is specified in the request, the response also includes query facets for the entire result set at the top of the response (in the <opensearch:Query> elements in XML and in the "queries" array in JSON). For examples that highlight these elements in the response, see "Sample Response" on page 20.	true

PARAMETER	DESCRIPTION	EXAMPLE
metadataLevel	The level of metadata to be included in search results. Valid options are: – 1 (the default): includes all available metadata except for the query facets for the entire result set at the top of the response. – 2: excludes categories (the `<category>` elements except for urgency in XML and the `"categories"` array in JSON) and all query facets (the `<opensearch:Query>` elements in XML and the `"queries"` arrays in JSON). In XML, additional metadata in NewsML-G2 format are excluded from the `<groupSet>` element except for usage instructions and pricing information if requested (the `<usageTerms>` and `<o:policy>` elements). For more information, see "Sample Response" on page 20, which highlights the elements to be excluded.	2
count	The number of search results per page. The default is 25 results with a maximum of 100 per page.	30
page	The page number within the set of search results. The default is 1.	2
sortby	Specifies how to sort the search results. Valid options are: Alternatively, you can use this parameter within the q parameter value. For more information, see the "Result Sorting" section in "Supported Search Syntax" on page 27.	newsfeed
format	The response format (xml or json). If no format is specified as the format parameter value or in the Accept header, XML is returned. The format parameter value takes precedence over the Accept header value when both are specified.	json

Sortby table:

APPLIES TO	VALUE	DISPLAYS...
AP Images (including GraphicsBank)	newest	The latest and most relevant items first (this is the default for photos).
	newsfeed	The latest items first.
	highlights	The most relevant items first, regardless of the time period.
	oldest	The oldest and most relevant items first.
Video	relevance	The most relevant items first (this is the default for video).
	creationDate	The latest items first.
	creationDate/ sort.ascending	The oldest items first.

† Alternatively, you can use these parameters as metadata field names within the q parameter value. For more information, see "Metadata Fields Used in Search Expressions" on page 29.

Request Headers (Optional)

HEADER	DESCRIPTION	VALID VALUES
Accept	The MIME type of the returned data format (XML or JSON). The default is application/atom+xml. The format parameter value takes precedence over the Accept header value when both are specified.	application/atom+xml application/json
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Examples

SAMPLE URI	RETURNED RESULTS
https://api.ap.org/v2/search?apiKey={apiKey}&q= Sarah+Jessica+Parker&creationDate=2012-11- 10&showPricing=true	Content items created on November 10, 2012 that match all of the specified keywords ("Sarah," "Jessica" and "Parker"), including pricing information for each item

SAMPLE URI	RETURNED RESULTS
https://api.ap.org/v2/search?apiKey={apiKey}&person=Tom+Cruise&person=Katie+Holmes	Images featuring both Tom Cruise and Katie Holmes
https://api.ap.org/v2/search?apiKey={apiKey}&person=Tom+Cruise,Katie+Holmes	Images featuring either Tom Cruise or Katie Holmes
https://api.ap.org/v2/search?apiKey={apiKey}&q=Tom+Cruise+AND+creationDate<2011	Content items created before 2011 that match all of the specified keywords ("Tom" and "Cruise")
https://api.ap.org/v2/search?apiKey={apiKey}&q=football&contentSet=GraphicsBank	All GraphicsBank items that match the keyword "football"
https://api.ap.org/v2/search?apiKey={apiKey}&q=football&contentSet=GraphicsBank_Graphic&creationDate=2013-11-09	All GraphicsBank graphics that match the keyword "football" and illustrate a news event that took place on November 9, 2013
https://api.ap.org/v2/search/video?apiKey={apiKey}&q=Tom+Cruise	Videos that match both keywords ("Tom" and "Cruise")
https://api.ap.org/v2/search/video?apiKey={apiKey}&q=soccer+AND+arrivaldate>10daysAgo	Videos that match the keyword "soccer" that arrived later than ten days ago

Response

Returns the standard HTTP status code of "200 – OK" and search results in the specified format:

- XML format that contains standard ATOM, OpenSearch, NewsML-G2 and XHTML elements
- JSON format

Each result includes the content item ID, a limited set of metadata and links to all renditions of the content item (for example, thumbnail, preview and high-resolution versions of a photo). The response also includes pricing information for each content item if requested. For information about error codes, see "API Codes" on page 59.

Feed Descriptive Elements

XML ELEMENT	JSON PROPERTY	DESCRIPTION
id		A globally unique identifier for this set of search results. The identifier consists of a prefix "urn:tag:ap.org,2011-11-02:search-" followed by the 'updated' timestamp.
title	"title"	The original search terms.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the search results were generated.
author		Contains the source of the search results.
name		The name of the organization that provided the search results.
uri		The website of the organization that provided the search results.
rights		Copyright line for the search results.
link		Provides links to navigate within the search results.
@rel="suggestedTerm"	"suggestedTerm"	(If applicable) A suggested term that can be used to retry the search; for example, if the original search term was misspelled.
@rel="first"	"firstpage"	Indicates a link to the first page of search results.
@rel="next"	"nextpage"	Indicates a link to the next page of search results.
@rel="last"	"lastpage"	Indicates a link to the last page of search results.
@rel="contentSet"	"contentSets"	Indicates a link to the results of this search for each of the AP Images content sets: Editorial, Creative (RM), Creative (RF), GraphicsBank, GraphicsBank_Graphic and GraphicsBank_Photo.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@rel="previous"	"previouspage"	Indicates a link to the previous page of search results.
@title	"title"	The suggested term or content set name.
@href	"href"	– XML: The specific URL to a search result page or to the results of this search for a particular content set. – JSON: The specific URL to the results of this search for a particular content set.
@type		The MIME type of the data format returned when the link in the "href" attribute is followed.
opensearch:totalResults	"totalResults"	The number of results available for the current search.
opensearch:startIndex	"startIndex"	The index of the first search result in the current set of results.
opensearch:itemsPerPage	"itemsPerPage"	The number of search results returned per page. The default value is equal to the number of search results on the current page.
opensearch:Query	"queries"	Contains the query that can be used to recreate these search results or query facets that allow you to refine the original search. **Note:** Query facets for the entire result set are returned at the top of the response only when showParametrics=true is specified in the request. For each facet type, the search returns the top ten facets based on the number of results matching that facet.
@role="facet.subject"	"role": "facet.subject"	A query facet using the subject category name.
@role="facet.event"	"role": "facet.event"	A query facet using the entry title.
@role="facet.person"	"role": "facet.person"	A query facet using a person featured in the image.
@totalResults	"totalResults"	The number of search results matching a query facet.
@searchTerms	"searchTerms"	The search terms that can be used to refine the original search.
@title	"title"	The query facet name.

Content Descriptive Elements

The following metadata elements are returned for each content item (if available):

XML ELEMENT	JSON PROPERTY	DESCRIPTION
entry	"entries"	– *XML*: Each "entry" element contains the data and metadata associated with an individual feed entry. – *JSON*: The "entries" property contains all of the results on this page.
id	"id"	– *XML*: A unique identifier for the content item. – *JSON*: The canonical link (a link to the full metadata for the content item).
title	"title"	The content item title.
See <headline> in <groupSet>	"headline"	A brief synopsis of the content item *(returned only for video in search results)*.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the entry was updated.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
published	"published"	The date and time (in W3C XML Schema's xs:dateTime format) when the entry was created.
author/name	"sources"	The name of the organization or individual that provided source material for the content item.
rights	"rights"	Copyright line for the content item.
See <usageTerms> in <groupSet>	"usageTerms"	Human-readable use and pricing information for the content item (including any special restrictions). ⚠️ **Important**: – Pricing information is returned only when showPricing=true is specified in the request. – In addition to the special restrictions in the usage terms, make sure to check for any editorial instructions in the editorial note (edNote) for AP Images content and in the full item metadata (in the script/shotlist and editorial note) for video. For more information, see "Usage Instructions and Pricing" on page 29 and "Item Metadata Method" on page 36.
See <o:Policy> in <groupSet>	"policy"	Machine-readable use and pricing information for the content item. For more information, see "Usage Instructions and Pricing" on page 29. 🔍 **Note:** Pricing information is returned only when showPricing=true is specified in the request.
See <category>	"urgency"	The editorial priority assigned to the content (if available). The possible values range from 1 (highest priority) to 8 (lowest priority). (see table below) * Legacy values are not included in the API response and are provided here for reference purposes only.
See <creditline> in <groupSet>	"credit"	*(For images only)* The name of the party or parties that are credited with providing the content.
See <role> in <groupSet>	"editorialrole"	*(For video only)* Video content type (the editorial role of a content item). Possible values are: – Package. A self-contained story with video and sound bites, including a prerecorded narration. AP provides packages with a script and the anchor narration on one channel and the natural sound and sound bites on a separate channel for the local station to rerecord the narration if necessary. – VO. Video to be voiced over live by an anchor in a newscast (an edited section of natural sound video showing the best pictures). – SOT. Sound on tape, with one or more sound bites edited together. – VOSOT. Video to be voiced over live by an anchor in a newscast followed by a sound bite or multiple sound bites.

Table within the "urgency" row:

NUMERIC	LEGACY*	DESCRIPTION
1	f	Flash
2	b	Bulletin
3	u	Urgent
4	r	Routine
5	d	Daily
6	w	Release at will
7	a	Weekday advance
8	s	Weekend advance

XML ELEMENT	JSON PROPERTY	DESCRIPTION
See <edNote> in <groupSet>	"edNote"	*(Not available for video in search results)* Editorial instructions for processing the item. Do <u>not</u> distribute this information to news consumers, except where explicitly noted. ⚠️ **Important**: – *For AP Images content:* In addition to the editorial instructions, make sure to check for any special restrictions in the "usageTerms." – *For video*: Make sure to check for any special restrictions and/or editorial instructions in the "usageTerms" and in the <u>full item metadata</u> (in the script/shotlist and editorial note). For more information, see "Usage Instructions and Pricing" on page 29 and "Item Metadata Method" on page 36.
See <creator> in <groupSet>	"photographer"	*(For images only)* The party who created the content, such as a photographer.
	"id"	A code identifying the creator (or photographer) title.
	"title"	The title of the party who created the content.
	"name"	The name of the party who created the content.
See <contributor> in <groupSet>	"captionwriter"	*(For images only)* The party who contributed to the content, such as a caption writer.
	"title"	The title of the party who contributed to the content.
	"name"	The name of the party who contributed to the content.
See <altId type="idtype: transmitRef"> in <groupSet>	"transmissionreference"	*(For images only)* The reference ID value used to identify a transmission of the content item across one or more mediums, depending on the practices of the content distributor.
category	"categories"	– *XML*: Multiple <category> elements are returned. Each category contains <u>one</u> of the following: – AP subject category – The media type of the search result – The editorial priority assigned to the content (if available) – *JSON*: The "categories" property contains all of the categories for this search result, including AP subject categories and the media type of the search result.
@term	"term"	The AP subject category or media type GUID.
@scheme	"scheme"	A URI for the vocabulary to which a term belongs.
@label	"label"	A human-readable label for display in applications.
link	"alternateLinks" "contentLinks"	– *XML*. Multiple <link> elements contain the links to the full metadata and various renditions of the content item, and search results by image ID and transmission reference number (for images) or by story ID (for video). – *JSON*. The "alternateLinks" property contains the links to search results by image ID and transmission reference number (for images) or by story ID (for video). The "contentLinks" property contains the links to the various renditions of the content item.
@rel= "canonical"	*See "id"*	Indicates a link to the full metadata for the current entry. By default, the full metadata is provided in the NewsML-G2 format.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@rel= "alternate.imageid"	"alternate.imageid"	*(For images only)* Indicates a link to the results of a search by the image ID number assigned to the content item.
@rel= "alternate.transref"	"alternate.transref"	*(For images only)* Indicates a link to the results of a search by the transmission reference number assigned to the content item.
@rel= "alternate.storyid"	"alternate.storyid"	*(For video only)* Indicates a link to the results of a search by the story ID (AP Archive story number) assigned to the video content item.
@rel="thumbnail"	"rel": "thumbnail"	Indicates a link to the content item thumbnail (if available).
@rel="preview"	"rel": "preview"	Indicates a link to the content item preview (if available).
@rel="main"	"rel": "main"	Indicates a link to the main rendition of the content item. **Note:** If the showPricing=true parameter is specified in the request, and a content item is not included in your plan and not available for an extra charge, the response does <u>not</u> include the download link to the main rendition.
@href	"href"	The specific URL to <u>one</u> of the following: – The content item metadata. – Search results by image ID (for AP Images content) or by story ID (for video). – *(For images only)* Search results by transmission reference number of the content item. – A content item rendition. You can specify the value of the format parameter (located at the end of the URL) as the value of the format parameter in the Item Rendition request. For more information, see "Item Rendition Download Method" on page 42.
@type	"type"	The MIME type of the data format returned when the link in the "href" attribute is followed. You can specify the MIME type of the content item rendition in the Accept header of the Item Rendition request. For more information, see "Item Rendition Download Method" on page 42.
@title	"title"	The name of the content item rendition that can be used for posting on a website.
See @height and @width in <remoteContent> in <groupSet>	"height"	Height of image/video in pixels.
	"width"	Width of image/video in pixels.
See @videoaspectratio, @videoavgbitrate, @videoframerate @duration and @colourspace in <remoteContent> in <groupSet>	"aspectratio"	*(For video only)* The ratio of the width of video to its height, such as 16:9 or 4:3 (if available).
	"averagebitrate"	*(For video only)* The average amount of data that is transferred per second in the video content.
	"framerate"	*(For video only)* The number of frames per second in the video content.
	"totalduration"	*(For video only)* The duration of the video content in milliseconds.
	"colorspace"	*(For video only)* The color space of video (for example, Color or BlackAndWhite), if available.
content	"contentxhtml"	Contains the content item caption (if available).
@type="xhtml"		Indicates that the content is formatted as XHTML.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
groupSet **and** group		Contains additional metadata for the content item in NewsML-G2 format.
itemRef/@href		The API reference for the content item.
rightsInfo/ usageTerms	*See "usageTerms"*	Human-readable use and pricing information for the content item (including any special restrictions). ⚠️ **Important**: – Pricing information is returned only when showPricing=true is specified in the request. – In addition to the special restrictions in the usage terms, make sure to check for any editorial instructions in the editorial note (edNote) for AP Images content and in the full item metadata (in the script/shotlist and editorial note) for video. For more information, see "Usage Instructions and Pricing" on page 29 and "Item Metadata Method" on page 36.
rightsInfo/ o:Policy	*See "policy"*	Machine-readable use and pricing information for the content item. For more information, see "Usage Instructions and Pricing" on page 29. 🔍 **Note:** Pricing information is returned only when showPricing=true is specified in the request.
role	*See "editorialrole"*	*(For video only)* Video content type (the editorial role of a content item). See "editorialrole" for possible values.
edNote	*See "ednote"*	*(Not available for video in search results)* Editorial instructions for processing the item. Do <u>not</u> distribute this information to news consumers, except where explicitly noted. ⚠️ **Important**: – *For AP Images content:* In addition to the editorial instructions, make sure to check for any special restrictions in the "usageTerms." – *For video*: Make sure to check for any special restrictions and/or editorial instructions in the "usageTerms" and in the <u>full item metadata</u> (in the script/shotlist and editorial note). For more information, see "Usage Instructions and Pricing" on page 29 and "Item Metadata Method" on page 36.
creator	*See "photographer"*	*(For images only)* The party who created the content, such as a photographer.
@literal		A code identifying the creator (or photographer) title.
@jobtitle		The title of the party who created the content.
@role		The role of the party who created the content.
name		The name of the party who created the content.
contributor	*See "captionwriter"*	*(For images only)* The party who contributed to the content, such as a caption writer.
@jobtitle		The title of the party who contributed to the content.
@role		The role of the party who contributed to the content.
name		The name of the party who contributed to the content.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
altId/@type	*See "transmissionreference"*	One of the following alternative IDs, each in its own `<altId>` element: – transmitRef *(for images only)*: the reference ID value used to identify a transmission of the content item across one or more mediums, depending on the practices of the content distributor. – friendlyKey: a human-readable ID of a content item ('image ID' in AP Images). For video, storyid is typically used as a human-readable ID (see below). – storyid *(for video only)*: the story ID of a video content item (AP Archive story number). – recordSequenceNumber: the content item revision number (0 for the initial version, 1 for the first revision, 2 for the second revision and so on). – itemId: a unique ID for the chain of revisions that comprise a content item.
creditline	*See "credit"*	*(For images only)* The name of the party or parties that are credited with providing the content.
headline	*See "headline"*	A brief synopsis of the video content item *(returned only for video in search results)*.
remoteContent		Indicates a link to the main, preview or thumbnail rendition of a content item.
@href		The specific URL to the main, preview or thumbnail rendition of a content item.
@residref		Resource Identifier Reference used to identify the content item rendition.
@contenttype		The MIME type associated with the content item data (for example, image/jpeg or video/mpeg).
@rendition		The content item rendition (for example, highRes, preview or thumbnail).
@size		The byte size of the content item data.
@format		The format of the content item data (for example, JPEG_Baseline or MPEG).
@width	*See "width" and "height" under "contentLinks"*	Width of image/video in pixels.
@height		Height of image/video in pixels.
@duration	*See "aspectratio", "averagebitrate", "framerate", "totalduration" and "colorspace" under "contentLinks"*	*(For video only)* The duration of the video content in milliseconds.
@videoframerate		*(For video only)* The number of frames per second in the video content.
@videoaspectratio		*(For video only)* The ratio of the width of video to its height, such as 16:9 or 4:3 (if available).
@videoavgbitrate		*(For video only)* The average amount of data that is transferred per second in the video content.
@colourspace		*(For video only)* The color space of video (for example, Color or BlackAndWhite), if available.
opensearch:Query	"queries"	Additional query facets for the entry that can be used to refine the original search.
@role="facet.person"	"role": "facet.person"	A query facet using a person featured in the image.
@role="facet.event"	"role": "facet.event"	A query facet using the title of the current entry.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@searchTerms	"searchTerms"	The search terms that can be used to refine the original search.
@title	"title"	The featured person's name or the entry title.

Sample Response

XML

Images

The following example shows the results of a keyword search of the AP Images collection for "Tom Cruise" in the XML format (only one result is shown for brevity). Dark gray shading indicates both of the following:

- Query facets (returned only when the showParametrics=true parameter is specified in the request).
- Pricing information (returned only when the showPricing=true parameter is specified in the request).

Light gray shading indicates additional metadata that can be excluded by specifying the metadataLevel=2 parameter.

```xml
- <feed xmlns="https://www.w3.org/2005/Atom" xmlns:opensearch="http://a9.com/-/spec/opensearch/1.1/">
    <id>urn:tag:ap.org,2011-11-02:search-2012-01-06T20:31:11.059Z</id>
    <title>Tom Cruise</title>
    <updated>2012-01-06T20:31:11.059Z</updated>
  - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2012 The Associated Press. All rights reserved.</rights>
    <link rel="first" href="https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&page=1" type="application/atom+xml" />
    <link rel="next" href="https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&page=2" type="application/atom+xml" />
    <link rel="last" href="https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&page=60" type="application/atom+xml" />
    <link rel="contentSet" title="Editorial" href="https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise
      &contentSet=editorial" type="application/atom+xml" />
    <link rel="contentSet" title="Creative (RM)" href="https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise
      &contentSet=creativerm" type="application/atom+xml" />
    <link rel="contentSet" title="Creative (RF)" href="https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise
      &contentSet=creativerf" type="application/atom+xml" />
    <opensearch:totalResults>1494</opensearch:totalResults>
    <opensearch:startIndex>1</opensearch:startIndex>
    <opensearch:itemsPerPage>25</opensearch:itemsPerPage>
    <opensearch:Query role="facet.subject" totalResults="1060" title="ENTERTAINMENT" searchTerms="Tom Cruise AND
      subject="ENTERTAINMENT"" />
    <opensearch:Query role="facet.subject" totalResults="1021" title="ARTS AND ENTERTAINMENT" searchTerms="Tom Cruise AND
      subject="ARTS AND ENTERTAINMENT"" />
      ...
    <opensearch:Query role="facet.event" totalResults="85" title="PREMIERE VALKYRIE NY" searchTerms="Tom Cruise AND
      event="PREMIERE VALKYRIE NY"" />
    <opensearch:Query role="facet.event" totalResults="63" title="MISSION: IMPOSSIBLE - GHOST PROTOCOL PREMIERE"
      searchTerms="Tom Cruise AND event="MISSION: IMPOSSIBLE - GHOST PROTOCOL PREMIERE"" />
      ...
    <opensearch:Query role="facet.person" totalResults="664" title="TOM CRUISE" searchTerms="Tom Cruise AND person="TOM
      CRUISE"" />
    <opensearch:Query role="facet.person" totalResults="177" title="KATIE HOLMES" searchTerms="Tom Cruise AND person="KATIE
      HOLMES"" />
      ...
  - <entry>
      <id>https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349</id>
      <title>Britain Mission Impossible Ghost Protocol</title>
      <updated>2012-01-09T15:31:13.793Z</updated>
      <published>2012-01-05T17:33:53Z</published>
    - <author>
        <name>AP</name>
      </author>
      <rights>Copyright 2011 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
        redistributed.</rights>
      <category term="c706572879441004880dba7Fa5283c3e" scheme="http://cv.ap.org/id/" label="Photo" />
      <category term="b4ed19d87e5c10048565df092526b43e" scheme="http://cv.ap.org/id/" label="Celebrity" />
      ...
      <category term="16cb0ba3e6d24d97ace39f5a1924669a" scheme="http://cv.ap.org/id/" label="Arts and entertainment" />
      <category term="c189ae6088be10048dcfb097165a0203" scheme="http://cv.ap.org/id/" label="Movies" />
      <category scheme="http://cv.ap.org/urgency/" label="5" />
      <link rel="canonical" href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349" />
      <link rel="alternate.imageid" href="https://api.ap.org/v2/search/photo?imageId=111213124683" />
      <link rel="alternate.transref" href="https://api.ap.org/v2/search?transref=NYOTK&arrivalDate=2012-01-09" />
      <link rel="main" href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg
```

```xml
      &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg" type="image/jpeg"
      title="Full-Resolution (JPG)" />
    <link rel="thumbnail" href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail?format=
      jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_85x128.jpg" type="image/jpeg"
      title="Thumbnail (JPG)" />
    <link rel="preview" href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview?format=jpeg
      &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_341x512.jpg" type="image/jpeg"
      title="Preview (JPG)" />
  - <content type="xhtml">
    - <div xmlns="https://www.w3.org/1999/xhtml">
        <p>U.S actor Tom Cruise arrives on the red carpet for the UK Premiere of Mission: Impossible Ghost Protocol, at a central
          London cinema, Tuesday, Dec. 13, 2011. (AP Photo/Joel Ryan)</p>
      </div>
    </content>
  - <groupSet root="fedf6ff0f6564fc29449f189d9242349-G1" xmlns="http://iptc.org/std/nar/2006-10-01/">
    - <group id="fedf6ff0f6564fc29449f189d9242349-G1" role="group:main">
      - <itemRef href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349">
          <rightsInfo>
            <usageTerms>This content is intended for editorial use only. For other uses, additional clearances may be
              required.</usageTerms>
            <usageTerms>No Use in Japan</usageTerms>
            <usageTerms role="apusecode:801">Included in your Choice plan at the Tier indicated.</usageTerms>
            <o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
              uid="https://api.ap.org/policies/6a1f12dd7dff4066aef5ea3533922f72">
              <o:permission>
                <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
                  relation="https://www.w3.org/ns/odrl/2/target"/>
                <o:action name="https://www.w3.org/ns/odrl/2/use"/>
                <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
                  rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
                <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
                <o:duty>
                  <o:action name="https://www.w3.org/ns/odrl/2/compensate"/>
                  <o:constraint name="https://www.w3.org/ns/odrl/2/payAmount" operator="https://www.w3.org/ns/odrl/2/eq"
                    rightOperand="http://cv.ap.org/odrl/plantypes/Tier/3"
                    dataType="https://www.w3.org/2001/XMLSchema:anyURI" unit="http://cv.ap.org/odrl/units/plantype"/>
                </o:duty>
                <o:duty>
                  <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
                </o:duty>
              </o:permission>
            </o:Policy>
          </rightsInfo>
          <edNote>For editorial use. Special rates may apply. Please contact your AP representative with questions. JAPAN
            OUT</edNote>
        - <creator literal="STF" jobtitle="aptitle:STAFF" role="aprol:photographer">
            <name>Joel Ryan</name>
          </creator>
        - <contributor jobtitle="aptitle:CaptionWriter" role="aprol:captionwriter">
            <name>JR</name>
          </contributor>
          <altId type="idtype:transmitRef">NYOTK</altId>
          <altId type="ap:friendlyKey">111213124683</altId>
          <altId type="ap:recordSequenceNumber">0</altId>
          <altId type="ap:itemId">fedf6ff0f6564fc29449f189d9242349</altId>
          <creditline>ASSOCIATED PRESS</creditline>
          <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg
            &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg"
            residref="dc267e5a84837100030f6a7067006aad" contenttype="image/jpeg" rendition="rnd:highRes"
            size="1951322" format="frmt:JPEG_Baseline" width="3264" height="4896" />
          <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview?format=jpeg
            &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_341x512.jpg"
            residref="dc26a37e84837100030f6a706700f47d" contenttype="image/jpeg" format="frmt:JPEG_Baseline"
            rendition="rnd:preview" width="341" height="512" />
          <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail?format=jpeg
            &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_85x128.jpg"
            residref="dc26967b84837100030f6a7067001dfd" contenttype="image/jpeg" format="frmt:JPEG_Baseline"
            rendition="rnd:thumbnail" width="85" height="128" />
        </itemRef>
      </group>
    </groupSet>
    <opensearch:Query role="facet.person" searchTerms="Tom Cruise AND person="Tom Cruise"" title="Tom Cruise" />
    <opensearch:Query role="facet.event" searchTerms="Tom Cruise AND event="Britain Mission Impossible Ghost Protocol""
      title="Britain Mission Impossible Ghost Protocol" />
  </entry>
    ...
</feed>
```

Video

This example shows the results of a search for video matching the keywords "Muhammad Ali" in the XML format.

- – For brevity, this example includes only one result and shows <u>no</u> query facets at the feed level (returned only when the showParametrics=true parameter is specified in the request).
- – Dark gray shading indicates pricing information (returned only when the showPricing=true parameter is specified in the request).
- – Light gray shading indicates additional metadata that can be excluded by specifying the metadataLevel=2 parameter.

```xml
- <feed xmlns="http://www.w3.org/2005/Atom" xmlns:opensearch="http://a9.com/-/spec/opensearch/1.1/">
    <id>urn:tag:ap.org,2011-11-02:search-2016-06-06T17:56:12.412Z</id>
    <title>Muhammad Ali</title>
    <updated>2016-06-06T17:56:12.412Z</updated>
  - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2016 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
      redistributed.</rights>
    <link rel="first" href="https://api.ap.org/v2/search/video?q=Muhammad%20Ali&count=1&page=1
      &sid=e568893644eb4f61817e2b5f5c8250c7" type="application/atom+xml" />
    <link rel="next" href="https://api.ap.org/v2/search/video?q=Muhammad%20Ali&count=1&page=2
      &sid=e568893644eb4f61817e2b5f5c8250c7" type="application/atom+xml" />
    <link rel="last" href="https://api.ap.org/v2/search/video?q=Muhammad%20Ali&count=1&page=1793
      &sid=e568893644eb4f61817e2b5f5c8250c7" type="application/atom+xml" />
    <opensearch:totalResults>1793</opensearch:totalResults>
    <opensearch:startIndex>1</opensearch:startIndex>
    <opensearch:itemsPerPage>1</opensearch:itemsPerPage>
  - <entry>
      <id>http://api.ap.org/v2/item/9d4820463c0345318d061fbe33d9970a</id>
      <title>US KY Ali Mayor (Lon NR)</title>
      <updated>2016-06-06T17:29:02ZZ</updated>
      <published>2016-06-06T17:29:02Z</published>
    - <author>
        <name>AP TELEVISION</name>
      </author>
      <category term="cacd9c40794410048811ba7fa5283c3e" scheme="http://cv.ap.org/id/" label="Video" />
      <category term="db2b5ae0894910048666ba0a2b2ca13e" scheme="http://cv.ap.org/id/" label="Municipal governments" />
      <category term="a9a82e8516e0471f9557d828cc13c9c2" scheme="http://cv.ap.org/id/" label="Men's boxing" />
        …
      <link rel="canonical" href="http://api.ap.org/v2/item/9d4820463c0345318d061fbe33d9970a" />
      <link rel="alternate.storyid" href="http://api.ap.org/v2/search/video?q=storyid=apus056961" />
      <link rel="thumbnail" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_105x070_105x70.jpg&sid=e568893
        644eb4f61817e2b5f5c8250c7" type="image/jpeg" title="Thumbnail (JPG)" />
      <link rel="thumbnail" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_105x70.jpg&sid=e568893644eb4f6
        1817e2b5f5c8250c7" type="image/jpeg" title="Thumbnail (JPG)" />
      <link rel="thumbnail" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_092x069_92x69.jpg&sid=e5688936
        44eb4f61817e2b5f5c8250c7" type="image/jpeg" title="Thumbnail (JPG)" />
      <link rel="thumbnail" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_180x135_180x135.jpg&sid=e56889
        3644eb4f61817e2b5f5c8250c7" type="image/jpeg" title="Thumbnail (JPG)" />
      <link rel="preview" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Preview?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_400x300_400x300.jpg&sid=e56889
        3644eb4f61817e2b5f5c8250c7" type="image/jpeg" title="Preview (JPG)" />
      <link rel="preview" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Preview?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_1920x1080_1920x1080.jpg&sid=e5
        68893644eb4f61817e2b5f5c8250c7" type="image/jpeg" title="Preview (JPG)" />
      <link rel="main" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Main?format=mpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_x070n_576x324.mp4&sid=e568893
        644eb4f61817e2b5f5c8250c7" type="video/mpeg" title="Full-Resolution (MP4) 576x324" />
      <link rel="main" href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Main?format=mpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_x090i_1920x1080.mp4&sid=e5688
        93644eb4f61817e2b5f5c8250c7" type="video/mpeg" title="Full-Resolution (MP4) 1920x1080" />
      <rights>Copyright 2016 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
        redistributed.</rights>
    - <content type="xhtml">
      - <div xmlns="http://www.w3.org/1999/xhtml">
          <p>Louisville, Kentucky's Mayor says Muhammad Ali's childhood town will hold an "I am Ali" Festival to honor the boxing
            legend this week. (June 6)</p>
```

```xml
          </div>
        </content>
  - <groupSet root="9d4820463c0345318d061fbe33d9970a-G1" xmlns="http://iptc.org/std/nar/2006-10-01/">
    - <group id="9d4820463c0345318d061fbe33d9970a-G1" role="group:main">
      - <itemRef href="http://api.ap.org/v2/item/9d4820463c0345318d061fbe33d9970a">
        - <rightsInfo>
            <usageTerms>International: AP Clients Only | US: AP Clients Only</usageTerms>
            <usageTerms>This video is intended for editorial use only. For other uses, additional clearances may be
              required.</usageTerms>
            <usageTerms>Always check the full metadata for any special restrictions.</usageTerms>
            <usageTerms role="apusecode:801">Included in your plan.</usageTerms>
          - <o:Policy type="https://www.w3.org/ns/odrl/2/Set" uid="http://api.ap.org/policies/88d3e364232d79311f388a834a66c862"
              xmlns:o="https://www.w3.org/ns/odrl/2/">
            - <o:permission>
                <o:asset uid="http://api.ap.org/v2/item/f13ee1d27d884639ab7ccd1b34efad90"
                  relation="https://www.w3.org/ns/odrl/2/target" />
                <o:action name="https://www.w3.org/ns/odrl/2/use" />
                <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
                  rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
                <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner" />
                <o:duty>
                  <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
                </o:duty>
              </o:permission>
            </o:Policy>
          </rightsInfo>
          <role qcode="aperole:VOSOT" />
          <altId type="foreignkey:storyid">apus056961</altId>
          <altId type="ap:recordSequenceNumber">0</altId>
          <altId type="ap:itemId">9d4820463c0345318d061fbe33d9970a</altId>
          <headline>Louisville Plans 'I Am Ali' Festival</headline>
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Main?format=mpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_x070n_576x324.mp4&sid=e568
            893644eb4f61817e2b5f5c8250c7" contenttype="video/mpeg" rendition="rnd:highRes" format="frmt:MPEG" width="576"
            height="324" size="3643064" duration="50000" videoframerate="30" videoaspectratio="4:3" videoavgbitrate="448"
            colourspace="apcolsp:Color" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Main?format=mpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_x090i_1920x1080.mp4&sid=e56
            8893644eb4f61817e2b5f5c8250c7" contenttype="video/mpeg" rendition="rnd:highRes" format="frmt:MPEG"
            width="1920" height="1080" size="65283990" duration="50000" videoframerate="60" videoaspectratio="4:3"
            videoavgbitrate="10240" colourspace="apcolsp:Color" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_105x070_105x70.jpg&sid=e568
            893644eb4f61817e2b5f5c8250c7" contenttype="image/jpeg" format="frmt:JPEG_Baseline" rendition="rnd:thumbnail"
            width="105" height="70" size="10909" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Preview?format=jpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_400x300_400x300.jpg&sid=e56
            8893644eb4f61817e2b5f5c8250c7" contenttype="image/jpeg" format="frmt:JPEG_Baseline" rendition="rnd:preview"
            width="400" height="300" size="126186" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_105x70.jpg&sid=e568893644eb
            4f61817e2b5f5c8250c7" contenttype="image/jpeg" format="frmt:JPEG_Baseline" rendition="rnd:thumbnail" width="105"
            height="70" size="10909" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_092x069_92x69.jpg&sid=e5688
            93644eb4f61817e2b5f5c8250c7" contenttype="image/jpeg" format="frmt:JPEG_Baseline" rendition="rnd:thumbnail"
            width="92" height="69" size="9833" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Preview?format=jpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_1920x1080_1920x1080.jpg&sid
            =e568893644eb4f61817e2b5f5c8250c7" contenttype="image/jpeg" format="frmt:JPEG_Baseline" rendition="rnd:preview"
            width="1920" height="1080" size="309235" />
          <remoteContent href="http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
            &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_180x135_180x135.jpg&sid=e56
            8893644eb4f61817e2b5f5c8250c7" contenttype="image/jpeg" format="frmt:JPEG_Baseline" rendition="rnd:thumbnail"
            width="180" height="135" size="31716" />
      </itemRef>
    </group>
  </groupSet>
  <opensearch:Query role="facet.event" searchTerms="Muhammad Ali AND event="US KY Ali Mayor (Lon NR)"" title="US KY Ali
    Mayor (Lon NR)" />
  </entry>
</feed>
```

JSON

Images

The following example shows the results of a keyword search for "Tom Cruise" in the JSON format (only one result is shown for brevity). Dark gray shading indicates both of the following:

- Query facets returned only when the showParametrics=true parameter is specified in the request.
- Pricing information returned only when the showPricing=true parameter is specified in the request.

Light gray shading indicates additional metadata that can be excluded by specifying the metadataLevel=2 parameter.

```json
{
  "title": "Tom Cruise",
  "updated": "2012-01-06T20:31:11.059Z" ,
  "firstpage": "https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&page=1" ,
  "nextpage": "https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&page=2" ,
  "lastpage": "https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&page=60" ,
  "contentSets": [
    {"href": "https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&contentSet=editorial", "title": "Editorial"},
    {"href": "https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&contentSet=creativerm", "title": "Creative (RM)"},
    {"href": "https://api.ap.org/v2/search?showPricing=true&q=Tom+Cruise&contentSet=creativerf", "title":  "Creative (RF)"}],
  "totalResults": 1494 ,
  "startIndex": 1 ,
  "itemsPerPage": 25 ,
  "queries": [
    {"role": "facet.subject", "totalResults": "1060", "title": "ENTERTAINMENT", "searchTerms": "Tom Cruise AND
      subject='ENTERTAINMENT'"} ,
    {"role": "facet.subject", "totalResults": "1021", "title": "ARTS AND ENTERTAINMENT" , "searchTerms": "Tom Cruise AND
      subject='ARTS AND ENTERTAINMENT'"},
    {"role": "facet.subject", "totalResults": "991", "title": "CELEBRITY", "searchTerms": "Tom Cruise AND
      subject='CELEBRITY'"},
    {"role": "facet.subject", "totalResults": "493", "title": "MOVIES", "searchTerms": "Tom Cruise AND subject='MOVIES'"}],
  "entries": [
    {
      "id": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349" ,
      "title": "Britain Mission Impossible Ghost Protocol",
      "updated": "2012-01-09T15:31:13.793Z",
      "published": "2012-01-05T17:33:53Z",
      "sources": ["AP"],
      "rights": "Copyright 2011 The Associated Press. All rights reserved. This material may not be published, broadcast,
        rewritten or redistributed.",
      "usageTerms": [
        "This content is intended for editorial use only. For other uses, additional clearances may be required.",
        "No Use in Japan",
        "Included in your plan."
      ],
      "apUseCode": "801",
      "policy": {
        "policytype": "https://www.w3.org/ns/odrl/2/Set",
        "policyid": "https://api.ap.org/policies/6aef5ea3533922f726a1f12dd7dff406",
        "permissions": [{
          "target": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349",
          "action": "https://www.w3.org/ns/odrl/2/use",
          "assigner": "http://ap.org/",
          "constraints": [{
            "name": "https://www.w3.org/ns/odrl/2/purpose",
            "operator": "https://www.w3.org/ns/odrl/2/eq",
            "rightoperand": "http://cv.ap.org/odrl/purpose/editorial" }],
          "duties": [{
            "action": "https://www.w3.org/ns/odrl/2/compensate",
            "constraints": [{
              "name": "https://www.w3.org/ns/odrl/2/payAmount",
              "operator": "https://www.w3.org/ns/odrl/2/eq",
              "rightoperand": "http://cv.ap.org/odrl/plantypes/Tier/3",
              "rightoperanddatatype": "https://www.w3.org/2001/XMLSchema:anyURI",
              "rightoperandunit": "http://cv.ap.org/odrl/units/plantype"}]},
          {
            "action": "https://www.w3.org/ns/odrl/2/reviewPolicy" }]}]},
      "urgency": "5",
```

```
        "credit": "ASSOCIATED PRESS",
        "ednote": "For editorial use. Special rates may apply. Please contact your AP representative with questions.",
        "transmissionreference": "NYOTK",
        "photographer": {"id": "STF", "title": "STAFF", "name": "Joel Ryan"},
        "captionwriter": {"title": "Caption Writer", "name": "JR"},
        "categories": [
          {"term": "c706572879441004880dba7Fa5283c3e", "scheme": "http://cv.ap.org/id/", "label": "Photo"},
          {"term": "b4ed19d87e5c10048565df092526b43e", "scheme": "http://cv.ap.org/id/", "label": "Celebrity"},
          {"term": "16cb0ba3e6d24d97ace39f5a1924669a", "scheme": "http://cv.ap.org/id/", "label": "Arts and
            entertainment"}],
        "alternateLinks": [
          {"alternate.imageid": "https://api.ap.org/v2/search/photo?imageId=111213124683"},
          {"alternate.transref": "https://api.ap.org/v2/search?transref=NYOTK&arrivalDate=2012-01-09"}],
        "contentxhtml": "<p>U.S actor Tom Cruise arrives on the red carpet for the UK Premiere of Mission: Impossible Ghost
          Protocol, at a central London cinema, Tuesday, Dec. 13, 2011. (AP Photo/Joel Ryan)</p>",
        "contentLinks": [
          {"rel": "main", "href": "http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=
            jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg",
            "type": "image/jpeg", "format": "JPEG Baseline", "title": "Full-Resolution (JPG)", "height": 3264, "width": 4896},
          {"rel": "thumbnail", "href": "http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail?
            format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_85x128.jpg",
            "type": "image/jpeg", "format": "JPEG Baseline", "title": "Thumbnail (JPG)", "height": 85, "width": 128},
          {"rel": "preview", "href": "http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview?
            format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost
            Protocol_341x512.jpg", "type": "image/jpeg", "format": "JPEG Baseline", "title": "Preview (JPG)", "height": 341,
            "width": 512}],
        "queries": [
          {"role": "facet.person", "searchTerms": "Tom Cruise AND person='Tom Cruise'", "title": "Tom Cruise"},
          {"role": "facet.event", "searchTerms": "Tom Cruise AND event='Britain Mission Impossible Ghost Protocol'", "title":
            "Britain Mission Impossible Ghost Protocol"}]
      }
    ]
  }
```

Video

This example shows the results of a search for video matching the keywords "Muhammad Ali" in the JSON format.

– For brevity, this example includes only one result and shows <u>no</u> query facets at the feed level (returned only when the showParametrics=true **parameter is specified in the request).**

– **Dark gray shading indicates pricing information (returned only when the** showPricing=true **parameter is specified in the request).**

– **Light gray shading indicates additional metadata that can be excluded by specifying the** metadataLevel=2 **parameter.**

```
{
  "title": "Muhammad Ali",
  "updated": "2016-06-06T17:55:22.245Z",
  "firstpage": "https://api.ap.org/v2/search/video?q=Muhammad%20Ali&count=1&format=json&page=1
    &sid=04424f32a0f44bec9c602dbcc8872b6f",
  "nextpage":"https://api.ap.org/v2/search/video?q=Muhammad%20Ali&count=1&format=json&page=2
    &sid=04424f32a0f44bec9c602dbcc8872b6f",
  "lastpage": "https://api.ap.org/v2/search/video?q=Muhammad%20Ali&count=1&format=json&page=1793
    &sid=04424f32a0f44bec9c602dbcc8872b6f",
  "totalResults": 1793,
  "startIndex": 1,
  "itemsPerPage": 1,
  "entries": [
    {
      "id": "http://api.ap.org/v2/item/9d4820463c0345318d061fbe33d9970a",
      "title": "US KY Ali Mayor (Lon NR)",
      "headline": "Louisville Plans 'I Am Ali' Festival",
      "updated": "2016-06-06T17:29:02ZZ",
      "published": "2016-06-06T17:29:02Z",
      "sources": ["AP TELEVISION"]
      "rights": "Copyright 2016 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
        redistributed.",
      "usageTerms": [
        "International: AP Clients Only | US: AP Clients Only",
```

```
        "This video is intended for editorial use only. For other uses, additional clearances may be required.",
        "Always check the full metadata for any special restrictions.",
        "Included in your plan."
      ],
    "apUseCode": "801",
    "policy": {
      "policytype": "https://www.w3.org/ns/odrl/2/Set",
      "policyid":"http://api.ap.org/policies/88d3e364232d79311f388a834a66c862",
      "permissions": [{
        "target": "http://api.ap.org/v2/item/f13ee1d27d884639ab7ccd1b34efad90",
        "action": "https://www.w3.org/ns/odrl/2/use",
        "assigner":"http://ap.org/",
        "constraints": [{
          "name":"https://www.w3.org/ns/odrl/2/purpose",
          "operator":"https://www.w3.org/ns/odrl/2/eq",
          "rightoperand":"http://cv.ap.org/odrl/purpose/editorial"}],
          "duties": [{
            "action": "https://www.w3.org/ns/odrl/2/reviewPolicy"}]}]},
    "editorialrole": "VOSOT",
    "categories":[
      {"term": "cacd9c40794410048811ba7fa5283c3e", "scheme": "http://cv.ap.org/id/", "label": "Video"},
      {"term": "db2b5ae0894910048666ba0a2b2ca13e", "scheme": "http://cv.ap.org/id/", "label": "Municipal governments"},
      {"term": "a9a82e8516e0471f9557d828cc13c9c2", "scheme": "http://cv.ap.org/id/", "label": "Men's boxing"},
      …
      {"term": "d3d7a339e8c4488f82f050b5d857f1bf", "scheme": "http://cv.ap.org/id/", "label": "Travel"}],
    "alternateLinks": [
      {"alternate.storyid": "https://api.ap.org/v2/search/video?q=storyid=2084513"}],
    "contentxhtml": "<p>Louisville, Kentucky's Mayor says Muhammad Ali's childhood town will hold an \"I am Ali\" Festival to honor
      the boxing legend this week. (June 6)</p>",
    "contentLinks": [
      {"rel": "thumbnail", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_105x070_105x70.jpg&sid=04424f32
        a0f44bec9c602dbcc8872b6f","type": "image/jpeg", "format": "JPEG Baseline", "title": "Thumbnail (JPG)", "height": 70,"width":
        105},
      {"rel": "thumbnail","href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_105x70.jpg&sid=04424f32a0f44bec
        9c602dbcc8872b6f", "type": "image/jpeg", "format": "JPEG Baseline", "title": "Thumbnail (JPG)", "height": 70, "width": 105},
      {"rel": "thumbnail", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_092x069_92x69.jpg&sid=04424f32a
        0f44bec9c602dbcc8872b6f", "type": "image/jpeg", "format": "JPEG Baseline", "title": "Thumbnail (JPG)", "height": 69, "width":
        92},
      {"rel": "thumbnail", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Thumbnail?format=jpeg&
        filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_180x135_180x135.jpg&sid=04424f32
        a0f44bec9c602dbcc8872b6f", "type": "image/jpeg", "format": "JPEG Baseline", "title": "Thumbnail (JPG)", "height": 135,
        "width": 180},
      {"rel": "preview", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Preview?format=jpeg&
        filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_400x300_400x300.jpg&sid=04424f32
        a0f44bec9c602dbcc8872b6f", "type": "image/jpeg", "format": "JPEG Baseline", "title": "Preview (JPG)", "height": 300, "width":
        400},
      {"rel": "preview", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Preview?format=jpeg&
        filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_1920x1080_1920x1080.jpg&sid=044
        24f32a0f44bec9c602dbcc8872b6f", "type": "image/jpeg", "format": "JPEG Baseline", "title": "Preview (JPG)", "height": 1080,
        "width": 1920},
      {"rel": "main", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Main?format=mpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_x070n_576x324.mp4&sid=04424f32
        a0f44bec9c602dbcc8872b6f", "type": "video/mpeg", "format": "MPEG", "title": "Full-Resolution (MP4) 576x324", "height":324,
        "width": 576, "aspectratio": "4:3", "averagebitrate": 448, "framerate": "30", "totalduration": 50000, "colorspace": "Color"},
      {"rel": "main", "href": "http://bapi.ap.org/v2/item/video/9d4820463c0345318d061fbe33d9970a/Main?format=mpeg
        &filename=9d4820463c0345318d061fbe33d9970a_0af636c4d9444fdcbe226639cf85927a_x090i_1920x1080.mp4&sid=04424f
        32a0f44bec9c602dbcc8872b6f", "type": "video/mpeg", "format": "MPEG", "title": "Full-Resolution (MP4) 1920x1080", "height":
        1080, "width": 1920, "aspectratio": "4:3", "averagebitrate": 10240, "framerate": "60", "totalduration": 50000, "colorspace":
        "Color"}],
    "queries":[{"role":"facet.event", "searchTerms": "Muhammad Ali AND event=\"US KY Ali Mayor (Lon NR)\"", "title":"US KY Ali Mayor
      (Lon NR)"}]
}]}
```

SUPPORTED SEARCH SYNTAX

⚠️ **Important**: This section applies only to specifying the query expression (the value of the `q` parameter in search requests). Make sure that the query expression is URL-encoded. For example, the URL-encoded value of the sample query `child "psychology magazine"` **is** `child+"psychology+magazine"`.

Basic Keywords

A basic query contains one or more words and no operators. An implied AND operator is used between keywords.

SAMPLE QUERY	RETURNED RESULTS
Iraq	Finds items containing the word *"Iraq"* and related word variations, such as *"Iraqi"*, but not *"Iran"*.
iraq	Returns the same results as *Iraq* (case is ignored).
Iraq Iran Iraq	Returns the same results as *Iraq Iran* (repeated words are ignored).

Wildcard Searches

Wildcards are useful when you are not sure of the spelling or exact name of a desired item. You can use the following wildcards in your query:

- Question mark (?) to substitute any single alphanumeric character in a query term.
- Asterisk (*) to substitute none, one or more characters at the beginning or end of a word.

⚠️ **Important**: A wildcard character must be preceded and followed by either an alphanumeric character or a space.

SAMPLE QUERY	FINDS...
la?er	La_ter_, la_yer_, la_ger_, etc.
pharma*	_pharmac_y, _pharmac_eutical, _pharmac_ist
*view	re_view_, over_view_, pre_view_
ploy	de_ploy_ed, de_ploy_ment, em_ploy_er, em_ploy_ee

Exact Phrase

Use quotation marks to specify exact phrases:

SAMPLE QUERY	RETURNED RESULTS
"Scotland Yard"	Finds items containing the entire exact phrase *Scotland Yard*, not just the word *Scotland* or the word *Yard*. This also prevents word stemming, so *Scottish Yards* or *Scotland's Yardley* will not match.
"scotland yard"	Returns the same results as "*Scotland Yard*" (case is ignored in quoted text).
child "psychology magazine"	Finds items containing both *child* and *psychology magazine* including *child psychology magazine* and *children's psychology magazine* (stemming is applied to the word *child*).

To use a stop word (for example, *"Case"*, *"has"*, *"after"*, *"near"*) in a search query, enclose it in quotation marks. For example, use *"The 2016 Olympics"* instead of *The 2016 Olympics*, and *"Yahoo!"* instead of *Yahoo!*

🔍 **Note:** If quotation marks surround a search term that includes a wildcard (like ? or *), the quotation marks are ignored.

Boolean Operators

You can use the following Boolean operators between keywords:

- AND to narrow a search matching all of the keywords.
- OR to broaden a search by matching any of the keywords.
- NOT to narrow a search by excluding a keyword.

SAMPLE QUERY	RETURNED RESULTS
Queen AND Elizabeth	Finds items containing both the words *Queen* and *Elizabeth* (as in *Queen Elizabeth II* or *Elizabeth, Queen of England*).

SAMPLE QUERY	RETURNED RESULTS
California OR wildfires OR earthquakes	Finds items containing any of these words: *California* or *wildfires* or *earthquakes.*
strike NOT baseball	Finds items containing the word *strike* (such as a *transit strike* or *airline strike*) but not the word *baseball* (such as *baseball strike*).

Specifying the Order of Processing Search Terms

To specify the order in which your search terms are processed, surround the first set that you want processed with parentheses:

SAMPLE QUERY	RETURNED RESULTS
(media OR censorship) NOT radio	Finds items containing either of the words *media* or *censorship*, then excludes those that also contain the word *radio*.
wildfires AND (earthquakes NOT California)	Finds items containing the word *earthquakes* but not *California*, and then returns items that also contain the word *wildfires*. Items about *wildfires* and *earthquakes* would be returned, but not about *California wildfires*. In this example, leaving out the parentheses <u>does not</u> change the results.
wildfires AND (earthquakes OR California)	Finds items containing either the words *wildfires* and *earthquakes*, or *wildfires* and *California*. In this example, leaving out the parentheses <u>does</u> change the results (see below).
wildfires AND earthquakes OR California	Finds items containing either the words *wildfires* and *earthquakes* or the word *California*.

The Search method uses standard Boolean precedence rules and searches for content items in the following order:

1. Words surrounded by parentheses.
2. Words surrounded by quotation marks.
3. Words connected by NOT, AND and finally, OR.

Metadata Searches

You can narrow your search to a specific metadata field:

SAMPLE QUERY	RETURNED RESULTS
headline=Chancellor	Finds items containing the word *Chancellor* in the item headline.
headline=Chancellor AND event=Chancellor	Finds items containing the word *Chancellor* in the item headline and the event title.

Comparison Operators

You can use the following comparison operators:

OPERATOR	DESCRIPTION	URL-ENCODED VALUE
=	Equal to	%3D
<>	Not equal to	<>
<	Less than	<
>	Greater than	>
<=	Less than or equal to	<%3D
>=	Greater than or equal to	>%3D

Specifying Date Ranges

For example, you can use these operators to specify dates and date ranges as part of the q parameter value:

SAMPLE QUERY	RETURNED RESULTS
arrivalDate>=2011-12-02	Finds items that arrived on or after December 12, 2011.
creationDate>2012-01 AND creationDate<2012-11	Finds items created during the months between January and November 2012.
arrivalDate=2012-01-03T17:52Z	Finds items that arrived at 17:52 UTC on January 3, 2012.
arrivaldate>2daysAgo	Finds items that arrived later than two days ago.

Combining Metadata Fields with Boolean Operators or Wildcards

Metadata fields can be combined with Boolean operators or wildcards to narrow or widen a search.

SAMPLE QUERY	RETURNED RESULTS
source=(AP or CP) NOT ("Queen Elizabeth II" OR "Elizabeth, Queen of England")	Finds items that originated by AP or Canadian Press (CP) that are not about Queen Elizabeth II.
imageId=X01* AND headline<>fire	Finds items with image ID numbers that begin with X01 and do not include the word *fire* in the headline.

Metadata Fields Used in Search Expressions

Search expressions within the q parameter value may include the following metadata fields that are also used as search request URI parameters (for more information, see "Request URI Parameters" on page 10):

- source, subject, creationDate, arrivalDate and locations (for all media types)
- imageId and person (AP Images, including GraphicsBank; not applicable to video)
- event (photos only; not applicable to video or GraphicsBank)
- photographer and transref (photos only; not applicable to video or GraphicsBank)

The following <u>additional metadata fields</u> may be used in search expressions:

FIELD NAME	DESCRIPTION
keywords	A multi-word field used to expedite content searching.
headline	A brief synopsis of the content item.
storyid	AP Video Archive story number.
colorspace	The color space of video. Valid options are color and black (black-and-white).

Result Sorting

You can use the sortby parameter and its values within the q parameter value.

SAMPLE QUERY	RETURNED RESULTS
person="Tom Cruise" sortby creationDate	Finds items featuring Tom Cruise and displays the newest items first.

For more information, see "Request URI Parameters" on page 10.

USAGE INSTRUCTIONS AND PRICING

Human-Readable Messages

The human-readable use and pricing information returned by AP Content API includes:

- **Use information**; for example, "This content is intended for editorial use only. For other uses, additional clearances may be required."
- **Special restrictions** (if any); for example: "No Use in Japan", "No Archiving Permitted" or "AP Clients Only," and an important message for all video: "Always check the full metadata for any special restrictions." For more information, see the important note below.

    ⚠️ **Important**:
    - *For AP Images*: In addition to the use information and special restrictions in the usage terms, make sure to check for any special instructions in the editorial note (<edNote> in XML or "edNote" in JSON).
    - *For video*: <u>Always check the full item metadata for any special restrictions</u> in the script/shotlist (description role="drol:script" and/or description role="drol:shotlist" in NewsML-G2) and for any special instructions in the editorial note (edNote in NewsML-G2). For information about full item metadata requests, see "Item Metadata Method" on page 36. For examples of video use instructions and pricing in search results and full item metadata, see "Video Use Instructions and Pricing" on page 30.

– **Pricing message and use code** (if the showPricing=true parameter is specified in the request):

PRICING SCENARIO	USE CODE	PLAN TYPE	API PRICING MESSAGE
Included in Your Plan	810	Choice	Included in your Choice plan at the Tier indicated.
	801	Other plans	Included in your plan.
Not Included in Your Plan (Extra Charge)	851	All plans	Not included in your plan. Available for an extra charge.
Not Included In Your Plan (Contact Licensing)	860	All plans	Not included in your plan. To learn more about license rights, please contact your licensing representative.

Examples

Image Use Instructions and Pricing

XML Photo Search Results

This XML example shows use information, special restrictions and the pricing message returned in separate /rightsInfo/usageTerms elements and editorial instructions returned in the edNote element in photo search results. In XML, the use code for the pricing message is returned in the "role" attribute of the <usageTerms> element; for example, role="apusecode:801".

```
- <itemRef href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349">
  - <rightsInfo>
      <usageTerms>This content is intended for editorial use only. For other uses, additional clearances may be
        required.</usageTerms>
      <usageTerms>No Use in Japan</usageTerms>
      <usageTerms role="apusecode:801">Included in your plan.</usageTerms>
      …
  </rightsInfo>
      …
    <edNote>For editorial use. Special rates may apply. Please contact your AP representative with questions. JAPAN
      OUT</edNote>
```

JSON Photo Search Results

This JSON example shows use information, special restrictions and the pricing message in the "usageTerms" array, the pricing message use code in the "apUseCode" property and editorial instructions in the "ednote" property returned in photo search results.

```
"entries": [
  {"id": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349",
    …
    "rights": "Copyright 2011 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
      redistributed.",
    "usageTerms": [
      "This content is intended for editorial use only. For other uses, additional clearances may be required.",
      "No Use in Japan",
      "Included in your plan."],
    "apUseCode": "801",
      …
    "ednote": "For editorial use. Special rates may apply. Please contact your AP representative with questions.",
```

Video Use Instructions and Pricing

XML Video Search Results

This XML video search result example shows use information, special restrictions and the pricing message returned in separate /rightsInfo/usageTerms elements. The pricing message use code is returned in the "role" attribute of the <usageTerms> element; for example, role="apusecode:801".

⚠️ **Important**: See the "Video Item Metadata" example on page 31 for special restrictions in the script/shotlist and an editorial note in the full item metadata for this video content item.

```
- <itemRef href="http://api.ap.org/v2/item/0b9361920f164da8b7c21dc49b5a5770">
  - <rightsInfo>
      <usageTerms>International: Check script for details | US: Check script for details</usageTerms>
      <usageTerms>This video is intended for editorial use only. For other uses, additional clearances may be
        required.</usageTerms>
      <usageTerms>Always check the full metadata for any special restrictions.</usageTerms>
      <usageTerms role="apusecode:801">Included in your plan.</usageTerms>
      …
  </rightsInfo>
```

JSON Video Search Results

This JSON video search result example shows use information, special restrictions and the pricing message returned in the "usageTerms" array and the pricing message use code returned in the "apUseCode" property.

⚠️ **Important**: See the "Video Item Metadata" example on page 31 for special restrictions in the script/shotlist and an editorial note in <u>the full item metadata</u> for this video content item.

```
"entries": [
 {"id": "http://api.ap.org/v2/item/0b9361920f164da8b7c21dc49b5a5770",
  …
  "rights": "Copyright 2016 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.",
  "usageTerms": [
    "International: Check script for details | US: Check script for details",
    "This video is intended for editorial use only. For other uses, additional clearances may be required.",
    "Always check the full metadata for any special restrictions.",
    "Included in your plan."],
  "apUseCode": "801",
```

Video Item Metadata

This <u>full item metadata</u> abbreviated example in NewsML-G2 shows special restrictions in the script/shotlist (description role="drol:script") and editorial instructions in edNote <u>in addition</u> to the use information and pricing messages in usageTerms, which are also available in the search results.

```
- <newsMessage xmlns="http://iptc.org/std/nar/2006-10-01/">
   …
 - <itemSet>
  - <newsItem guid="tag:ap.org,2011:0b9361920f164da8b7c21dc49b5a5770-video" version="1" standard="NewsML-G2"
     standardversion="2.15" conformance="power">
    <catalogRef href="http://www.iptc.org/std/catalog/catalog.IPTC-G2-Standards_6.xml" />
    <catalogRef href="http://cv.ap.org/customer/cv/catalog4customers-1.xml" />
   - <rightsInfo>
      <copyrightNotice>Copyright 2016 The Associated Press. All rights reserved. This material may not be published,
      broadcast, rewritten or redistributed.</copyrightNotice>
      <usageTerms>International: Check script for details | US: Check script for details</usageTerms>
      <usageTerms>This video is intended for editorial use only. For other uses, additional clearances may be
        required.</usageTerms>
      <usageTerms>Always check the full metadata for any special restrictions.</usageTerms>
      <usageTerms role="apusecode:801">Included in your plan.</usageTerms>
    </rightsInfo>
      …
   - <itemMeta>
      <itemClass qcode="ninat:video" />
       …
      <edNote>Check script for details</edNote>
       …
    </itemMeta>
  - <contentMeta>
       …
      <headline>Shaquille O'Neal holds basketball clinic in Cuba</headline>
      <description xml:lang="en" role="drol:caption">Shaquille O'Neal holds basketball clinic in Cuba</description>
    - <description xml:lang="en" role="drol:script">
      SHOTLIST:
      <br />
      RESTRICTION SUMMARY:
      <br />
      COMMERCIAL MUSIC, MUSIC VIDEO AND OR PERFORMANCES, MUST BE CLEARED ACCORDING TO YOUR
      OWN LOCAL MUSIC PERFORMANCE AND COPYRIGHT AGREEMENTS WITH YOUR APPLICABLE COLLECTING
      SOCIETY.
      <br />
      SHOTLIST:
      <br />
      Havana, 26 June 2016
      <br />
      1. Various of retired NBA star Shaquille O'Neil conducting a basketball clinic for Cuban players and fans
      <br />
      2. Cuban basketball players watching clinic
      <br />
       …
      STORYLINE:
      <br />
      SHAQUILLE O'NEAL CONDUCTS BASKETBALL CLINIC IN CUBA
      <br />
      Retired National Basketball Association (NBA) star Shaquille O'Neil became the latest emissary for US outreach to the
      people of Cuba on Sunday, conducting a basketball clinic for local players and fans on public courts in Havana.
       …
    </description>
   </contentMeta>
    …
  </newsItem>
  </itemSet>
 </newsMessage>
```

Machine-Readable Instructions

Format

Content API returns machine-readable usage instructions and pricing as RightsML (http://dev.iptc.org/RightsML), which is based on ODRL (https://www.w3.org/community/odrl/).

ODRL Elements

The following ODRL elements are returned for each content item:

XML ELEMENT	JSON PROPERTY	DESCRIPTION
o:Policy	"policy"	The ODRL Policy, which specifies the permitted or prohibited Actions that may be performed on the specified Assets.
@type	"policytype"	The Policy type that determines how the policy is to be interpreted. "Set" is currently the only supported value.
@uid	"policyid"	The unique Policy identifier.
o:permission OR o:prohibition	"permissions" OR "prohibitions"	A Permission allows a certain Action to be performed on a specified Asset (for example, download and use the content item). A Prohibition forbids the action.
o:asset		The Asset to which the Permission or Prohibition applies (the content item file in Content API).
@uid	"target"	The content item ID to which the Permission or Prohibition applies.
@relation		The value of "target" indicates that the Asset is the primary object to which the Permission or Prohibition applies.
o:action/@name	"action"	Indicates permitted or prohibited usage.
o:party		The Party (the "assigner") that grants the rights expressed in the Policy (the AP in Content API).
@uid	"assigner"	The URL to the assigner's website.
@function		Indicates that the Party is the "assigner" of the rights.
o:constraint	"constraints"	Indicates limitations to the permitted usage; for example, "editorial use only."
@name	"name"	Specifies the type of constraint, such as "purpose."
@operator	"operator"	Specifies how to evaluate the constraint; for example, "equal to."
@rightoperand	"rightoperand"	The value required to meet the constraint; for example, "editorial use only."
o:duty	"duties"	Expresses a Duty that must be satisfied in order to exercise the Permission.
o:action/ @name	"action"	Identifies the specific action that must be performed to carry out the Duty; for example, "compensate" (pay a certain amount) or "reviewPolicy" (refer to usage terms). **Note:** If there are no special restrictions in the usage terms in the Rights Information section, the duty to review policy will not be returned.
o:constraint	"constraints"	Indicates a condition of the Duty; for example, that a specific amount must be paid.
@name	"name"	Specifies the type of constraint, such as "the amount to pay."
@operator	"operator"	Specifies how to evaluate the constraint; for example, "equal to."

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@rightoperand	"rightoperand"	The value required to meet the constraint; for example, the charge amount.
@datatype	"rightoperanddatatype"	The XML schema data type of the "right operand" value; for example, "decimal."
@unit	"rightoperandunit"	The unit used in expressing the "right operand" value; for example, the currency of the charge.

Examples

The following examples show the machine-readable use and pricing information returned by the AP Content API for each of the pricing scenarios described in the table on page 29.

Note: These examples assume that special restrictions for the sample content item (for example, "No Use in Japan") are returned in the usage terms in the Rights Information section. For content items with no special restrictions, the duty to review policy will not appear in the machine-readable instructions.

Included In Your Plan (Choice)

In this example:

- `green` indicates a permission to download and use the specified content item (included in your Choice plan).
- `blue` indicates the Choice tier that will be used by your plan's meter to calculate the payment amount.
- `purple` indicates that you must review the human-readable special restrictions in the usage terms.

XML

```xml
<o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
  uid="https://api.ap.org/policies/6a1f12dd7dff4066aef5ea3533922f72">
  <o:permission>
    <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
      relation="https://www.w3.org/ns/odrl/2/target"/>
    <o:action name="https://www.w3.org/ns/odrl/2/use"/>
    <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
      rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
    <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
    <o:duty>
      <o:action name="https://www.w3.org/ns/odrl/2/compensate"/>
      <o:constraint name="https://www.w3.org/ns/odrl/2/payAmount" operator="https://www.w3.org/ns/odrl/2/eq"
        rightOperand="http://cv.ap.org/odrl/plantypes/Tier/3" dataType="https://www.w3.org/2001/XMLSchema:anyURI"
        unit="http://cv.ap.org/odrl/units/plantype"/>
    </o:duty>
    <o:duty>
      <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
    </o:duty>
  </o:permission>
</o:Policy>
```

JSON

```json
"policy": {
    "policytype": "https://www.w3.org/ns/odrl/2/Set",
    "policyid": "https://api.ap.org/policies/6aef5ea3533922f726a1f12dd7dff406",
    "permissions": [{
        "target": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349",
        "action": "https://www.w3.org/ns/odrl/2/use",
        "assigner": "http://ap.org/",
        "constraints": [{
            "name": "https://www.w3.org/ns/odrl/2/purpose",
            "operator": "https://www.w3.org/ns/odrl/2/eq",
            "rightoperand": "http://cv.ap.org/odrl/purpose/editorial"}],
        "duties": [{
            "action": "https://www.w3.org/ns/odrl/2/compensate",
            "constraints": [{
                "name": "https://www.w3.org/ns/odrl/2/payAmount",
                "operator": "https://www.w3.org/ns/odrl/2/eq",
                "rightoperand": "http://cv.ap.org/odrl/plantypes/Tier/3",
                "rightoperanddatatype": "https://www.w3.org/2001/XMLSchema:anyURI",
                "rightoperandunit": "http://cv.ap.org/odrl/units/plantype"}]},
          {
            "action": "https://www.w3.org/ns/odrl/2/reviewPolicy"}]}]}
```

Included in Your Plan (Other Plans)

In this example:
- green indicates a permission to download and use the specified content item included in your plan (this download will be deducted from the number of available downloads).
- purple indicates that you must review the human-readable special restrictions in the usage terms.

XML

```
<o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
  uid="https://api.ap.org/policies/3922f726a1f12dd7dff4066aef5ea353">
    <o:permission>
      <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
       relation="https://www.w3.org/ns/odrl/2/target"/>
      <o:action name="https://www.w3.org/ns/odrl/2/use"/>
      <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
        rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
      <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
      <o:duty>
        <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
      </o:duty>
    </o:permission>
```

JSON

```
"policy": {
    "policytype": "https://www.w3.org/ns/odrl/2/Set",
    "policyid": "https://api.ap.org/policies/3922f726a1f12dd7dff4066aef5ea353",
    "permissions": [{
        "target": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349",
        "action": "https://www.w3.org/ns/odrl/2/use",
        "assigner": "http://ap.org/",
        "constraints": [{
            "name": "https://www.w3.org/ns/odrl/2/purpose",
            "operator": "https://www.w3.org/ns/odrl/2/eq",
            "rightoperand": "http://cv.ap.org/odrl/purpose/editorial"}],
        "duties": [{
            "action": "https://www.w3.org/ns/odrl/2/reviewPolicy"}]}]}
```

Not Included In Your Plan (Extra Charge, All Plans)

In this example:
- green indicates a permission to download and use the specified content item and the extra charge amount to be paid.
- blue indicates the extra charge amount that will be paid in the specified currency. For currency values, refer to http://en.wikipedia.org/wiki/ISO_4217.
- purple indicates that you must review the human-readable special restrictions in the usage terms.

XML

```
<o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
  uid="https://api.ap.org/policies/6aef5ea3533922f726a1f12dd7dff406">
    <o:permission>
      <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
        relation="https://www.w3.org/ns/odrl/2/target"/>
      <o:action name="https://www.w3.org/ns/odrl/2/use"/>
      <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
        rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
      <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
      <o:duty>
        <o:action name="https://www.w3.org/ns/odrl/2/compensate"/>
        <o:constraint name="https://www.w3.org/ns/odrl/2/payAmount" operator="https://www.w3.org/ns/odrl/2/eq"
          rightOperand="20.00" dataType="https://www.w3.org/2001/XMLSchema:decimal"
          unit="http://cvx.iptc.org/iso4217a/USD"/>
      </o:duty>
      <o:duty>
        <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
      </o:duty>
    </o:permission>
</o:Policy>
```

JSON

```json
"policy": {
    "policytype": "https://www.w3.org/ns/odrl/2/Set",
    "policyid": "https://api.ap.org/policies/6aef5ea3533922f726a1f12dd7dff406",
    "permissions": [{
        "target": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349",
        "action": "https://www.w3.org/ns/odrl/2/use",
        "assigner": "http://ap.org/",
        "constraints": [{
            "name": "https://www.w3.org/ns/odrl/2/purpose",
            "operator": "https://www.w3.org/ns/odrl/2/eq",
            "rightoperand": "http://cv.ap.org/odrl/purpose/editorial"}],
        "duties": [{
            "action": "https://www.w3.org/ns/odrl/2/compensate",
            "constraints": [{
                "name": "https://www.w3.org/ns/odrl/2/payAmount",
                "operator": "https://www.w3.org/ns/odrl/2/eq",
                "rightoperand": "20.00",
                "rightoperanddatatype": "https://www.w3.org/2001/XMLSchema#decimal",
                "rightoperandunit": "http://cvx.iptc.org/iso4217a/USD"}]},
            {
            "action": "https://www.w3.org/ns/odrl/2/reviewPolicy"}]}]}
```

Not Included In Your Plan (Contact Licensing, All Plans)

In this example, red indicates that you are prohibited from downloading or using the specified content item. It is not included in your plan; you can contact your licensing representative to learn more about license rights.

Note: When a content item is not available for download, the search results and the Item Metadata method response do not include the download links to the high-resolution rendition of the content item. Only the links to the preview and thumbnail renditions are included.

XML

```xml
<o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
  uid="https://api.ap.org/policies/dd7dff46aef5ea3533922f726a1f1206">
  <o:prohibition>
    <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
      relation="https://www.w3.org/ns/odrl/2/target"/>
    <o:action name="https://www.w3.org/ns/odrl/2/use"/>
    <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
  </o:prohibition>
</o:Policy>
```

JSON

```json
"policy": {
    "policytype": "https://www.w3.org/ns/odrl/2/Set",
    "policyid": "https://api.ap.org/policies/dd7dff46aef5ea3533922f726a1f1206",
    "prohibitions": [{
        "target": "https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349",
        "action": "https://www.w3.org/ns/odrl/2/use",
        "assigner": "http://ap.org/"}]}
```

CONTENT ITEM

ITEM METADATA METHOD

⚠️ **Important**:
- This section is provided for reference purposes. Use the item metadata links that are available in search results.
- The item metadata links in search results do <u>not</u> include the showPricing=true parameter. To receive pricing information in the Content Item responses, make sure to add the showPricing=true parameter to the item metadata links along with the apiKey parameter.
- *For video,* <u>always check the script/shotlist</u> (description role="drol:script" **and/or** description role="drol:shotlist") in the item metadata responses <u>for any special restrictions</u>.

Description

Returns the content item data for the specified GUID, including metadata and links to all renditions of the content item (for example, thumbnail, preview and high-resolution versions of a photo). Optionally, returns content item pricing information.

Request

METHOD	REQUEST URI
GET	https://api.ap.org/{version}/item/{id}?apiKey={apiKey}[&format={format}]

Request URI Parameters

Required Parameters

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is v2.	v2
id	The GUID of a content item (not case-sensitive).	Any valid 32-character GUID of an item

Optional Parameter

PARAMETER	DESCRIPTION	EXAMPLE
showPricing	By default, pricing information is not returned in the response. When showPricing=true is specified in the request, the response includes the content item pricing.	true
format	The format of the returned content item data. Currently, the only valid value is g2 (this is the default).	g2

Request Header (Optional)

HEADER	DESCRIPTION	VALID VALUE
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Example

https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349?showPricing=true&apiKey={apiKey}

Response

Returns the standard HTTP status code of "200 – OK" and an XML document with the content item data for the specified GUID. For information about error codes, see "API Codes" on page 59.

Sample Response

The content item data is returned as XML in the NewsML-G2 format.

NewsML-G2

NewsML-G2 is a news exchange format developed by the International Press Telecommunications Council (IPTC). For more information, please visit http://www.iptc.org/site/News_Exchange_Formats/NewsML-G2/. The current AP Content API implementation of NewsML-G2 is based on version 2.10 and includes AP proprietary metadata.

News Message Structure

A NewsML-G2 News Message returned by the Content API has the following structure:

1. **Header**. General information about the News Message that includes standard NewsML-G2 elements. For more information, refer to the *IPTC G2 Implementation Guide* at http://www.iptc.org/std/NewsML-G2/2.18/documentation/IPTC-G2-Implementation_Guide_7.0.pdf.
2. **Item Set**. Contains a G2 News Item (described in more detail in the following section).

```
NEWS MESSAGE
- <newsMessage xmlns="http://iptc.org/std/nar/2006-10-01/">
      <!-- APImages API NewsML G2 -->
1   - <header>
          <sent>2012-01-05T17:33:53Z</sent>
          <sender>ap.org</sender>
      </header>
2   - <itemSet>
        + <newsItem guid="tag:ap.org,2011:fedf6ff0f6564fc29449f189d9242349-photo" version="1" standard="NewsML-G2"
            standardversion="2.10" conformance="power" xmlns:xhtml="https://www.w3.org/1999/xhtml" >
      </itemSet>
  </newsMessage>
```

News Item Structure

1. **The top-level `<newsItem>` element**. This element contains:
   A. A GUID and version number for the document, catalog references, copyright information and usage terms (including any special restrictions).
   B. Pricing information (if the `showPricing=true` parameter was specified in the request). For more information, see "Usage Instructions and Pricing" on page 29.
2. **Management metadata**. The `<itemMeta>` element contains management metadata, such as the item class, provider, publishing status, timestamps, the generator version used to create the news item, the versions and labels of the AP vocabularies represented in the response (for example, AP Subject, AP Geography), the services for distributing the news item, editorial note and signal.
3. **Content metadata**. The `<contentMeta>` element contains:
   A. Administrative metadata; for example, urgency, timestamps, location, source, alternative IDs and language, image creator (photographer) and contributor (caption writer), and links to the video preview image and the thumbnails of different sizes.
   B. Descriptive metadata; for example, subjects, slugline, headline, keywords, image overline and creditline, and video script/shotlist.
      ⚠️ **Important note for video**: <u>Always check the script/shotlist</u> (`description role="drol:script"` and/or `description role="drol:shotlist"`) <u>for any special restrictions</u>.
4. **Content**. The `<contentSet>` element contains links to the main, preview and thumbnail renditions for images and to the main and preview video files for video.

For more information about the NewsML-G2 metadata, see "NewsML-G2 Metadata Definitions" on page 61.

Photo Item Example

1 A
```xml
- <newsItem guid="tag:ap.org,2011:fedf6ff0f6564fc29449f189d9242349-photo" version="1" standard="NewsML-G2"
    standardversion="2.10" conformance="power">
  <catalogRef href="http://www.iptc.org/std/catalog/catalog.IPTC-G2-Standards_6.xml" />
  <catalogRef href="http://cv.ap.org/customer/cv/catalog4customers-1.xml" />
  - <rightsInfo>
    <copyrightHolder literal="AP" />
    <copyrightNotice>Copyright 2011 The Associated Press. All rights reserved. This material may not be published,
      broadcast, rewritten or redistributed.</copyrightNotice>
    <usageTerms>This content is intended for editorial use only. For other uses, additional clearances may be
      required.</usageTerms>
    <usageTerms>No Use in Japan</usageTerms>
```

B
```xml
    <usageTerms role="apusecode:810">Included in your Choice plan at the Tier indicated.</usageTerms>
    <o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
     uid="https://api.ap.org/policies/6a1f12dd7dff4066aef5ea3533922f72">
      <o:permission>
        <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
          relation="https://www.w3.org/ns/odrl/2/target"/>
        <o:action name="https://www.w3.org/ns/odrl/2/use"/>
        <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
          rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
        <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
        <o:duty>
          <o:action name="https://www.w3.org/ns/odrl/2/compensate"/>
          <o:constraint name="https://www.w3.org/ns/odrl/2/payAmount"
            operator="https://www.w3.org/ns/odrl/2/eq" rightOperand="http://cv.ap.org/odrl/plantypes/Tier/3"
            dataType="https://www.w3.org/2001/XMLSchema:anyURI" unit="http://cv.ap.org/odrl/units/plantype"/>
        </o:duty>
        <o:duty>
          <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
        </o:duty>
      </o:permission>
    </o:Policy>
  </rightsInfo>
```

2
```xml
  - <itemMeta>
    <itemClass qcode="ninat:picture" />
    - <provider qcode="approviderid:AP">
        <name>AP</name>
    </provider>
    <versionCreated>2012-01-05T17:33:53Z</versionCreated>
    <firstCreated>2012-01-05T17:33:53Z</firstCreated>
    <pubStatus qcode="stat:usable" />
    <generator versioninfo="2.9.0.C15803" role="apgen:runtime">APPL_2_NEWSML_ENTRY</generator>
    <generator versioninfo="2994" role="apgen:tagging">AP Subject</generator>
    <generator versioninfo="3002" role="apgen:tagging">AP Party</generator>
    <generator versioninfo="2975" role="apgen:tagging">AP Geography</generator>
    <service qcode="selector:-----" />
    <service qcode="apcycle:AP" />
      ...
    <edNote>For editorial use. Special rates may apply. Please contact your AP representative with questions. JAPAN
      OUT</edNote>
    <signal qcode="apsig:consumerready" />
  </itemMeta>
```

3 A
```xml
  - <contentMeta>
    <urgency>5</urgency>
    <contentCreated>2012-01-05T17:33:53Z</contentCreated>
    <contentModified>2012-01-05T17:33:53Z</contentModified>
    - <creator role="aprol:photographer" jobtitle="aptitle:STAFF" literal="STF">
        <name>Joel Ryan</name>
    </creator>
    - <contributor role="aprol:captionwriter" jobtitle="aptitle:CaptionWriter">
        <name>JR</name>
    </contributor>
    - <located type="cptype:city">
        <name>London</name> - <broader type="cptype:country">
          <name>GBR XEN</name>
        </broader>
      - <geoAreaDetails>
          <position latitude="51.50853" longitude="-0.12574" />
      </geoAreaDetails>
    </located>
    - <infoSource role="crole:source">
        <name>AP</name>
    </infoSource>
    - <infoSource type="crole:filingsource">
        <name>AP</name>
```

3 **A**

```xml
        </infoSource>
        <altId type="idtype:transmitRef">NYOTK</altId>
        <altId type="ap:friendlyKey">111213124683</altId>
        <altId type="ap:recordSequenceNumber">0</altId>
        <altId type="ap:itemId">fedf6ff0f6564fc29449f189d9242349</altId>
        <altId type="ap:recordId">6834b04959fb484c8032149682d0b9ea</altId>
        <language tag="en" />
```

B

```xml
        <keyword role="krole:index">Tom Cruise</keyword>
      - <subject type="cpnat:abstract" qcode="apcategorycode:I">
          <name>International News</name>
        </subject>
      - <subject type="cpnat:abstract" qcode="apsuppcat:ENT">
          <name>Entertainment</name>
        </subject>
      - <subject type="cpnat:abstract" qcode="apsubject:b4ed19d87e5c10048565df092526b43e" why="why:direct"
          creator="apsubcreator:Teragram">
          <name>Celebrity</name>
        - <broader qcode="apsubject:5b4319707dd310048b23df092526b43e">
            <name>Entertainment</name>
          </broader>
        </subject>
       - <subject type="cpnat:abstract" qcode="apsubject:854509a889f01004818ed56c852d093e" why="why:direct"
           creator="apsubcreator:Teragram">
           <name>Celebrity red carpet</name>
         - <broader qcode="apsubject:b4ed19d87e5c10048565df092526b43e">
             <name>Celebrity</name>
           </broader>
         </subject>
      - <subject type="cpnat:abstract" qcode="apsubject:7553a0f08a671004809cbe215f24353e" why="why:direct"
          creator="apsubcreator:Teragram">
          <name>Movie premieres</name>
        - <broader qcode="apsubject:c189ae6088be10048dcfb097165a0203">
            <name>Movies</name>
          </broader>
        </subject>
        ...
      - <subject type="cpnat:person" qcode="apperson:00f3318c4bae4a8da43016d8573c28be"
          creator="apsubcreator:Teragram">
          <name>Tom Cruise</name>
        </subject>
      - <subject type="cpnat:geoArea" qcode="apgeography:66219fb07d5b100482e2c076b8e3055c" why="why:direct"
          creator="apsubcreator:Teragram">
          <name>United Kingdom</name>
        </subject>
      - <subject type="cpnat:geoArea" qcode="apgeography:7a55e0187eff10048492df092526b43e" why="why:direct"
          creator="apsubcreator:Teragram">
          <name>London</name>
        </subject>
      - <subject type="cpnat:geoArea" qcode="apgeography:6618c9f87d5b10048202c076b8e3055c" why="why:ancestor"
          creator="apsubcreator:Teragram">
          <name>Western Europe</name>
        </subject>
      - <subject type="cpnat:geoArea" qcode="apgeography:661850e07d5b100481f4c076b8e3055c" why="why:ancestor"
          creator="apsubcreator:Teragram">
          <name>Europe</name>
        </subject>
      - <subject type="cpnat:geoArea" qcode="apgeography:df4691387d6b10048fdeba7fa5283c3e" why="why:ancestor"
          creator="apsubcreator:Teragram">
          <name>England</name>
        </subject>
        <slugline>Britain Mission Impossible Ghost Protocol</slugline>
        <headline>Britain Mission Impossible Ghost Protocol</headline>
        <creditline>ASSOCIATED PRESS</creditline>
        <description xml:lang="en" role="drol:caption">U.S actor Tom Cruise arrives on the red carpet for the UK Premiere of
          Mission: Impossible Ghost Protocol, at a central London cinema, Tuesday, Dec. 13, 2011 (AP Photo/Joel
          Ryan).</description>
        <description xml:lang="en" role="drol:overline">Tom Cruise</description>
    </contentMeta>
```

4

```xml
  - <contentSet>
      <remoteContent residref="dc267e5a84837100030f6a7067006aad"
        href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg"
        residref="dc267e5a84837100030f6a7067006aad" rendition="rnd:highRes" layoutorientation="loutorient:vertical"
        size="1951322" contenttype="image/jpeg" format="frmt:JPEG_Baseline" width="3264" height="4896" />
        <hash hashtype="htype:md5">95957d5c8b7962d79e57ea3978bb4c61</hash>
      <remoteContent residref="dc26a37e84837100030f6a706700f47d"
        href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview?format=jpeg"
        residref="dc26a37e84837100030f6a706700f47d" rendition="rnd:preview" layoutorientation="loutorient:vertical"
        contenttype="image/jpeg" format="frmt:JPEG_Baseline" width="341" height="512" />
        <hash hashtype="htype:md5">d2ba957f408134ea65fddf7d1942af24</hash>
```

```
4       <remoteContent residref="dc26967b84837100030f6a7067001dfd"
          href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail?format=jpeg"
          residref="dc26967b84837100030f6a7067001dfd" rendition="rnd:thumbnail" layoutorientation="loutorient:vertical"
          contenttype="image/jpeg" format="frmt:JPEG_Baseline" width="85" height="128" />
          <hash hashtype="htype:md5">cdc14c5b5705aac87e0ead710adc55b2</hash>
      </contentSet>
    </newsItem>
```

Video Item Example

```
1  A   - <newsItem guid="tag:ap.org,2011:6cf22a868232907b3ad6b49bdb397f30-video" version="1" standard="NewsML-G2"
        standardversion="2.15" conformance="power">
      <catalogRef href="http://www.iptc.org/std/catalog/catalog.IPTC-G2-Standards_6.xml" />
      <catalogRef href="http://cv.ap.org/customer/cv/catalog4customers-1.xml" />
    - <rightsInfo>
        <copyrightHolder literal="AP" />
        <copyrightNotice>Copyright 2016 The Associated Press. All rights reserved. This material may not be published,
          broadcast, rewritten or redistributed.</copyrightNotice>
        <usageTerms>Check script for details</usageTerms>
        <usageTerms>This video is intended for editorial use only. For other uses, additional clearances may be
          required.</usageTerms>
        <usageTerms>Always check the full metadata for any special restrictions.</usageTerms>
   B    <usageTerms role="apusecode:801">Included in your plan.</usageTerms>
        <o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
          uid="https://api.ap.org/policies/88d3e364232d79311f388a834a66c862">
          <o:permission>
            <o:asset uid="https://api.ap.org/v2/item/6cf22a868232907b3ad6b49bdb397f30"
              relation="https://www.w3.org/ns/odrl/2/target"/>
            <o:action name="https://www.w3.org/ns/odrl/2/use"/>
            <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
              rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
            <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
            <o:duty>
              <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
            </o:duty>
          </o:permission>
        </o:Policy>
      </rightsInfo>
2   - <itemMeta>
        <itemClass qcode="ninat:video" />
      - <provider qcode="approviderid:AP">
          <name>AP</name>
        </provider>
        <versionCreated>2016-05-25T02:46:35Z</versionCreated>
        <firstCreated>2016-05-25T02:46:35Z</firstCreated>
        <pubStatus qcode="stat:usable" />
        <role qcode="aperol:VOSOT" />
        <generator versioninfo="3.3.0.1" role="apgen:runtime">APPL_2_NEWSML_ENTRY</generator>
        <generator versioninfo="5577" role="apgen:tagging">AP Subject</generator>
        <generator versioninfo="5581" role="apgen:tagging">AP Party</generator>
        <generator versioninfo="5783" role="apgen:tagging">AP Geography</generator>
      - <service qcode="apservicecode:Entertainment Video">
          <name>Entertainment Video</name>
        </service>
        <edNote>Check script for details</edNote>
        <signal qcode="apsig:whitelisted" />
        <signal qcode="apsig:consumerready" />
      </itemMeta>
3  A  - <contentMeta>
        <icon href="http://bapi.ap.org/v2/item/6cf22a868232907b3ad6b49bdb397f30/Thumbnail?format=jpeg&filename=
          6cf22a868232907b3ad6b49bdb397f30_THUMBNAIL_0.jpg" width="192" height="108" />
        <contentCreated>2016-05-25T02:16:00Z</contentCreated>
        <contentModified>2016-05-25T13:46:20Z</contentModified>
      - <located type="cptype:city">
          <name>New York</name>
        - <broader type="cptype:statprov">
            <name>New York</name>
          </broader>
        - <broader type="cptype:country">
          <name>United States</name>
          </broader>
        - <geoAreaDetails>
            <position latitude="40.71427" longitude="-74.00597" />
          </geoAreaDetails>
        </located>
```

3

A

```xml
- <infoSource role="crole:source">
    <name>AP Entertainment, 20th Century Fox</name>
  </infoSource>
  <altId type="ap:friendlyKey">5139940135</altId>
  <altId type="ap:recordSequenceNumber">16</altId>
  <altId type="ap:itemId">6cf22a868232907b3ad6b49bdb397f30</altId>
  <altId type="ap:itemIdSequence">6cf22a868232907b3ad6b49bdb397f30.16</altId>
  <altId type="ap:recordId">33801773513e4280a5abe4f67fbda5b8</altId>
  <altId type="foreignkey:storyid">2085007</altId>
  <altId type="ap:editorialId">2085007</altId>
  <language tag="en" />
```

B

```xml
- <subject type="cpnat:abstract" qcode="apsubject:c189ae6088be10048dcfb097165a0203" why="why:direct"
    creator="apsubcreator:Teragram">
    <name>Movies</name>
  - <broader qcode="apsubject:5b4319707dd310048b23df092526b43e">
      <name>Entertainment</name>
    </broader>
  </subject>
  ...
  - <subject type="cpnat:abstract" qcode="apsubject:854509a889f01004818ed56c852d093e" why="why:direct"
      creator="apsubcreator:Teragram">
    <name>Celebrity red carpet</name>
  - <broader qcode="apsubject:b4ed19d87e5c10048565df092526b43e">
      <name>Celebrity</name>
    </broader>
  </subject>
  ...
- <subject type="cpnat:person" qcode="apperson:3bf7ab45ef8948ba8328259aa9983571"
    creator="apsubcreator:Teragram">
    <name>Rose Byrne</name>
  </subject>
  ...
- <subject type="cpnat:geoArea" qcode="apgeography:b58f18a082c6100487fbdf092526b43e" why="why:direct"
    creator="apsubcreator:Teragram">
    <name>New York</name>
  </subject>
- <subject type="cpnat:geoArea" qcode="apgeography:661e48387d5b10048291c076b8e3055c" why="why:direct"
    creator="apsubcreator:Teragram">
    <name>United States</name>
  </subject>
  ...
  <slugline>US XMen-Men</slugline>
  <headline>James McAvoy, Rose Byrne attend special NYC screening of 'X Men'</headline>
- <description xml:lang="en" role="drol:script">
  CLIENTS PLEASE NOTE: FILM CLIPS ARE CLEARED FOR MEDIA BROADCAST AND/OR INTERNET USE IN CONJUNCTION
  WITH THIS STORY ONLY. NO RE-SALE. NO ARCHIVE.
  <br />
  CLIENTS PLEASE NOTE: COMMERCIAL MUSIC, MUSIC VIDEO AND OR PERFORMANCES, MUST BE CLEARED
  ACCORDING TO YOUR OWN LOCAL MUSIC PERFORMANCE AND COPYRIGHT AGREEMENTS WITH YOUR APPLICABLE
  COLLECTING SOCIETY.
  <br />
  SHOTLIST (including transcript):-
  <br />
  AP Entertainment
  <br />
  New York, 24 May 2016
  <br />
  1. Wide exterior of venue of special screening
  <br />
  ...
  9. Fashion pan of Rose Byrne posing for photos =
  <br />
  10. SOUNDBITE (English) Rose Byrne, actress: "There's a great sequence where I'm dressed in a burka and I'm running
  through the streets of Cairo and that was re-created in a brilliant set in Montreal. That was a little bit, probably, the
  closest I'll get to Egypt for the moment but it's amazing what they do with these productions, the scale of things. It's
  really, it's like time travel and you know it's really wild."
  <br />
  ...
  </description>
</contentMeta>
```

4

```xml
- <contentSet>
    <remoteContent residref="38165df808584693a645f07f0d7a2999"
      href="http://bapi.ap.org/v2/item/6cf22a868232907b3ad6b49bdb397f30/Main?format=mp4&filename=6cf22a868
      232907b3ad6b49bdb397f30__1920x1080.mp4&pcode=eNozMzI1qjGsMQQACPoCKg%3d%3d"
      rendition="rnd:highRes" contenttype="video/mp4" format="frmt:MPEG" width="1920" height="1080"
```

```
4        colourspace="apcolsp:Color" duration="324480" durationunit="timeunit:milliseconds" videoframerate="25"
         videocodec="codec:h.264" videoavgbitrate="1500000" audiosamplerate="1500000" />
     <remoteContent residref="875cd34a621f44be922985b9e510b09d"
       href="http://bapi.ap.org/v2/item/6cf22a868232907b3ad6b49bdb397f30/Main?format=mp4&filename=6cf22a868
       232907b3ad6b49bdb397f30__1920x1080.mp4&pcode=eNozMzI1qjGsMQQACPoCKg%3d%3d"
       rendition="rnd:highRes" contenttype="video/mp4" format="frmt:MPEG" width="1920" height="1080"
       colourspace="apcolsp:Color" duration="324480" durationunit="timeunit:milliseconds" videoframerate="29.97"
       videocodec="codec:h.264" videoavgbitrate="1500000" audiosamplerate="1500000" />
     <remoteContent residref="f77bc02925f14d36973a2e65e697256b"
       href="http://bapi.ap.org/v2/item/6cf22a868232907b3ad6b49bdb397f30/Preview?format=mpeg&filename=6cf22
       a868232907b3ad6b49bdb397f30__576x324.mp4" rendition="rnd:preview" contenttype="video/mpeg"
       format="frmt:MPEG" width="576" height="324" colourspace="apcolsp:Color" duration="324480"
       durationunit="timeunit:milliseconds" videoframerate="15" videocodec="codec:h.264" videoavgbitrate="1500000"
       audiosamplerate="1500000" />
   </contentSet>
 </newsItem>
```

ITEM RENDITION DOWNLOAD METHOD

⚠ **Important**: This section is provided for reference purposes. Use the item rendition download links that are available in search results.

Description

Returns the specified rendition of a content item (for example, the high-resolution version of a photo) for the specified GUID.

Photos

RENDITION	DESCRIPTION	FORMAT
Main	A high-resolution version of the photo. 🔍 **Note:** For royalty-free images, the largest image size available is returned.	JPEG
Preview	A low-resolution version of the photo (if available).	JPEG
Thumbnail	A small version of the image (if available).	JPEG

Graphics

RENDITION	DESCRIPTION	FORMAT
Main	Source graphic.	A variety of formats (for example, JPEG, PNG, Photoshop). To determine in which formats a graphic is available, see "Content Item Formats and Filenames" on page 44.
Preview	A low-resolution version of the graphic.	JPEG
Thumbnail	A small version of the image.	JPEG

Video

RENDITION	DESCRIPTION	FORMAT
Main	A high-resolution version of the video clip.	A variety of formats (for example, MPEG, Windows Media, Flash, 3GP, QuickTime), each at various quality levels. To determine available formats, see "Content Item Formats and Filenames" on page 44.
Preview	A low-resolution version of the video clip.	MPEG
	An enlarged version of the image that captures the first frame of the video clip.	JPEG
Thumbnail	A small version of the image that captures a specific frame of the video clip.	JPEG

Request

METHOD	REQUEST URI
GET	`http://bapi.ap.org/{version}/item/{mediaType}/{id}/{rendition}?apiKey={apiKey}&format={format}[&filename={filename}]`

Request URI Parameters

Required Parameters

PARAMETER	DESCRIPTION	VALID VALUES/EXAMPLES
version	The API version. Currently, the only valid value is `v2`.	v2
id	The GUID of a content item (<u>not</u> case-sensitive).	Any valid 32-character GUID of a content item
rendition	The content item rendition.	Main, Preview or Thumbnail
format *(required only if the Accept header value is <u>not</u> specified)*	The format of the returned content item data. The format can be specified as <u>one of the following</u>: – The format MIME type in the request `Accept` header. – The `format` parameter value (takes precedence over the Accept header value). If no format is specified as the `format` parameter value or in the Accept header, an error is returned. To determine available formats, see "Content Item Formats and Filenames" on page 44.	– For AP Images content, including GraphicsBank: jpeg, png – For video: 3GPP, flv, mp4, mpeg, quicktime or x-ms-wmv

Recommended Parameter

⚠️ **Important**: It is strongly recommended to specify the `mediaType` parameter value in the item rendition download links. The download links in search results always contain the media type.

PARAMETER	DESCRIPTION	VALID VALUES
mediaType	The content media type. The default for AP Images (including all GraphicsBank content) is `photo`.	photo, graphic or video

Optional Parameter

PARAMETER	DESCRIPTION	VALID VALUES
filename	The filename for the downloaded content item rendition, in the format `{ItemId}_{OriginalFilename}_{Width}x{Height}.{FileExtension}`. ⚠️ **Important**: For GraphicsBank, this parameter must be specified to download each of the matte renditions of the graphic. The filename parameter value for a matte rendition is `{ItemId}_{OriginalFilename}_{Width}x{Height}_matte.{FileExtension}`. If the filename is not specified, the original (non-matte) rendition of the graphic is returned. The download links in search results always contain the filename.	See "Content Item Formats and Filenames" on page 44.

Request Headers (Optional)

HEADER	DESCRIPTION	EXAMPLES
Accept	The MIME type of the returned data format. To determine available formats, see "Content Item Formats and Filenames" on page 44.	– For AP Images content, including GraphicsBank: image/jpeg, image/png – For video: video/3GPP, application/flv, video/mp4, video/mpeg, video/quicktime or video/x-ms-wmv
Accept-Encoding	Compresses the response to the gzip format.	gzip

Content Item Formats and Filenames

To retrieve various content item renditions, you can use either the MIME type or the format of the content item located in the entry's <link> element in the search response. The filename that you can use to save the content item rendition is also included in the entry's <link> element.

- The MIME type of a content item rendition is located in the "type" attribute of the <link> element (shown in `green` in the following example).
- The format is located in value of the "href" attribute of the <link> element (shown in `yellow` in the example).
- The filename is located at the end of the "href" attribute value (shown in `blue` in the example).

```
- <entry>
    <id>https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349</id>
    ...
    <title>Britain Mission Impossible Ghost Protocol</title>
    ...
    <link rel="main" href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg
        &filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol _3264x4896.jpg"
        type="image/jpeg" title="Full-Resolution (JPG)" />
    <link rel="thumbnail" href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Thumbnail
        ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol
        _85x128.jpg" type="image/jpeg" title="Thumbnail (JPG)" />
    <link rel="preview" href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Preview
        ?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol
        _341x512.jpg" type="image/jpeg" title="Preview (JPG)" />
    ...
  </entry>
```

Request URI Example

https://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost Protocol_3264x4896.jpg&apiKey={apiKey}

Response

Download Allowed

Returns the standard HTTP status code of "302 – Found" and redirects to the URL for the content item binary. For information about error codes, see "API Codes" on page 59.

Download After a Price Change

If you have stored a download link in your system after requesting it from the API, the price might no longer be the same when you follow that link some time later. For example, you might have reached your monthly plan limit since receiving the initial download links from the API and would now have to pay an extra charge for the image.

If the price has changed, the API returns the code of 402 "Price has changed. Refer to response body for new details and link.") and the updated NewsML-G2 document that indicates that the download price has changed with the updated use code and includes the current price, usage information and a new download link that replaces the original download link.

Sample Response

In this example:
- `yellow` indicates that the download price has changed.
- `green` indicates a permission to download the content item once the specified amount is paid.
- `blue` indicates that the content item is available for an extra charge (with an updated use code) and the amount to pay in the specified currency.
- `purple` indicates use information and special restrictions.
- `gray` indicates the new download link.

```
- <groupSet root="fedf6ff0f6564fc29449f189d9242349-G1" xmlns="http://iptc.org/std/nar/2006-10-01/">
  - <group id="fedf6ff0f6564fc29449f189d9242349-G1" role="group:main">
    - <itemRef href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349">
      - <rightsInfo>
          <usageTerms>IMPORTANT: The download price has changed.</usageTerms>
```

```
        <usageTerms>This content is intended for editorial use only. For other uses, additional clearances may be
          required.</usageTerms>
        <usageTerms>No Use in Japan</usageTerms>
        <usageTerms role="apusecode:1851">Not included in your plan. Available for an extra charge.</usageTerms>
      - <o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
        uid="https://api.ap.org/policies/22f706f46dd7dfaef5ea39226a1f1353">
        - <o:permission>
            <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
             relation="https://www.w3.org/ns/odrl/2/target"/>
            <o:action name="https://www.w3.org/ns/odrl/2/use"/>
            <o:constraint name="https://www.w3.org/ns/odrl/2/purpose" operator="https://www.w3.org/ns/odrl/2/eq"
             rightOperand="http://cv.ap.org/odrl/purpose/editorial" />
            <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
          - <o:duty>
              <o:action name="https://www.w3.org/ns/odrl/2/compensate"/>
              <o:constraint name="https://www.w3.org/ns/odrl/2/payAmount"
               operator="https://www.w3.org/ns/odrl/2/eq" rightOperand="30.00"
               dataType="https://www.w3.org/2001/XMLSchema:decimal" unit="http://cvx.iptc.org/iso4217a/USD"/>
            </o:duty>
          - <o:duty>
                <o:action name="https://www.w3.org/ns/odrl/2/reviewPolicy"/>
            </o:duty>
          </o:permission>
        </o:Policy>
      </rightsInfo>
      <edNote>For editorial use. Special rates may apply. Please contact your AP representative with questions. JAPAN
        OUT</edNote>
      <remoteContent href="http://bapi.ap.org/v2/item/photo/fedf6ff0f6564fc29449f189d9242349/Main?
        format=jpeg&filename=fedf6ff0f6564fc29449f189d9242349_Britain Mission Impossible Ghost
        Protocol_3264x4896.jpg" residref="dc267e5a84837100030f6a7067006aad" contenttype="image/jpeg"
        rendition="rnd:highRes" size="1951322" format="frmt:JPEG_Baseline" width="3264" height="4896" />
    </itemRef>
   </group>
 </groupSet>
```

Download No Longer Allowed

If a content item is not included in your plan and is not available for an extra charge, the API does not include download links in search results and Item Metadata method responses. However, in some cases, you might encounter a response indicating that the download is no longer allowed; for example, if you have stored a download link in your system after requesting it from the API, have reached your monthly download limit, and your plan does not allow further downloads.

If a download is no longer allowed, the API returns the code of 403 "No longer available – check your plan" and a NewsML-G2 document that includes the machine-readable instructions indicating that the download is prohibited, the updated use code and the following message: "Not included in your plan. To learn more about license rights, please contact your licensing representative."

Sample Response

```
- <groupSet root="fedf6ff0f6564fc29449f189d9242349-G1" xmlns="http://iptc.org/std/nar/2006-10-01/">
  - <group id="fedf6ff0f6564fc29449f189d9242349-G1" role="group:main">
    - <itemRef href="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349">
      - <rightsInfo>
          <usageTerms role="apusecode:1860">Not included in your plan. To learn more about license rights, please
            contact your licensing representative.</usageTerms>
        - <o:Policy xmlns:o="https://www.w3.org/ns/odrl/2/" type="https://www.w3.org/ns/odrl/2/Set"
          uid="https://api.ap.org/policies/226a1f1352f706f46dd7dfaef5ea3923">
          - <o:prohibition>
              <o:asset uid="https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349"
               relation="https://www.w3.org/ns/odrl/2/target"/>
              <o:action name="https://www.w3.org/ns/odrl/2/use"/>
              <o:party uid="http://ap.org/" function="https://www.w3.org/ns/odrl/2/assigner"/>
            </o:prohibition>
          </o:Policy>
        </rightsInfo>
      </itemRef>
    </group>
  </groupSet>
```

ACCOUNT

ACCOUNT INFORMATION

Description

Returns links to the following account information sections for the specified API key:

- **My Plans**. Your plan usage information, optionally, with your plan details.
- **My Order History**. Items downloaded by you or your salesperson.

Request

METHOD	REQUEST URI
GET	https://api.ap.org/{version}/account?apiKey={apiKey}[&format={format}]

Required Request URI Parameter

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is v2.	v2

Optional Request URI Parameter

PARAMETER	DESCRIPTION	EXAMPLE
format	The response format (xml or json). If no format is specified as the format parameter value or in the Accept header, XML is returned. The format parameter value takes precedence over the Accept header value when both are specified.	json

Request Headers (Optional)

HEADER	DESCRIPTION	EXAMPLE
Accept	The MIME type of the returned data format (XML or JSON). The default is application/atom+xml. The format parameter value takes precedence over the Accept header value when both are specified.	application/json
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Example

https://api.ap.org/v2/account?apiKey={apiKey}

Response

Returns the standard HTTP status code of "200 – OK" and links to account information for the specified API key in the requested format (XML or JSON). For information about error codes, see "API Codes" on page 59.

Metadata Elements

The following elements describe the response:

XML ELEMENT	JSON PROPERTY	DESCRIPTION
id	"id"	The account information URL.
title	"title"	The response name.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the response was returned.
author		Contains the response source.
name		The name of the organization that provided the response.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
uri		The website of the organization that provided the response.
rights		Copyright line for the response.

The following elements are returned for each account information section:

XML ELEMENT	JSON PROPERTY	DESCRIPTION
entry	"myplans" "mytiers" "myorderhistory"	Contains the data and metadata associated with an individual account information section.
id	"url"	The URL to the account information section.
title	"title"	The account information section name.
updated		The date and time (in W3C XML Schema's xs:dateTime format) when the listing was returned.
link		The organization for which the account information is returned.
@rel="profile"	"profile"	Indicates that this <link> element identifies the organization.
@title	"title"	The organization name and the last four digits of the API key.
@href	"id"	The organization ID.
category		Contains the category of the account information section.
@term		A string that identifies the account information section category.
@scheme		A URI for the vocabulary to which a term belongs.
@label		A human-readable label for display in applications.
content	"description"	Contains the description of the account information section.
@type		Indicates that the content is formatted as XHTML.

Sample Response

This example shows a response with links to three account information sections (highlighted in green in the example) in the XML and JSON formats.

XML

```xml
<?xml version="1.0" encoding="UTF-8"?>
- <feed xmlns="https://www.w3.org/2005/Atom">
    <id>https://api.ap.org/v2/account</id>
    <title>My Account</title>
    <updated>2015-01-14T18:30:02Z</updated>
    <link rel="profile" href="https://api.ap.org/v2/account/profiles/12345" title="Example Org / *8907" />
    <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2012 The Associated Press. All rights reserved.</rights>
    <entry>
      <id>https://api.ap.org/v2/account/plans</id>
      <title>My Plans</title>
      <updated>2015-01-14T18:30:02Z </updated>
      <category term="plans" scheme="https://api.ap.org/cv/account/" label="My Plans" />
      <content type="xhtml">
        <div xmlns="https://www.w3.org/1999/xhtml">
          <p>Your plan usage information.</p>
        </div>
      </content>
    </entry>
    <entry>
      <id>https://api.ap.org/v2/account/plans?detail=tiers</id>
      <title>My Tiers</title>
      <updated>2015-01-14T18:30:02Z </updated>
      <category term="tiers" scheme="https://api.ap.org/cv/account/" label="My Tiers" />
      <content type="xhtml">
        <div xmlns="https://www.w3.org/1999/xhtml">
          <p>Your plan usage information, including your plan details.</p>
        </div>
      </content>
```

```
      </entry>
      <entry>
        <id>https://api.ap.org/v2/account/orders</id>
        <title>My Order History</title>
        <updated>2015-01-14T18:30:02Z </updated>
        <category term="orders" scheme="https://api.ap.org/cv/account/" label="My Order History" />
        <content type="xhtml">
          <div xmlns="https://www.w3.org/1999/xhtml">
            <p>Allows you to download your order history as a CSV file. Your order history includes what you or your sales
                person has downloaded for you.</p>
          </div>
        </content>
      </entry>
</feed>
```

JSON

```
{
  "id": "https://api.ap.org/v2/account",
  "title": "My Account",
  "updated": "2015-01-14T18:30:02Z",
  "myplans": {
    "title": "My Plans",
    "url": "https://api.ap.org/v2/account/plans",
    "description": "Your plan usage information."
  },
  "mytiers": {
    "title": "My Tiers",
    "url": "https://api.ap.org/v2/account/plans?detail=tiers",
    "description": "Your plan usage information, including your plan details."
  },
  "myorderhistory": {
    "title": "My Order History",
    "url": "https://api.ap.org/v2/account/orders",
    "description": "Allows you to download your order history as a CSV file. Your order history includes what you or your sales
      person has downloaded for you."
  }
}
```

MY PLANS

Description

Allows you to check how many downloads you have already used (reflects transactions as of the date and time of the response). Optionally, returns your plan details in addition to your usage information.

Request

METHOD	REQUEST URI
GET	https://api.ap.org/{version}/account/plans?apiKey={apiKey}[&OptionalParameters]

Required Request URI Parameter

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is v2.	v2

Optional Request URI Parameter

PARAMETER	DESCRIPTION	EXAMPLE
detail	Returns your plan details in addition to the plan usage information. The only valid value is tiers (for both Choice and other plans).	tiers
format	The response format (xml or json). If no format is specified as the format parameter value or in the Accept header, XML is returned. The format parameter value takes precedence over the Accept header value when both are specified.	json

Request Headers (Optional)

HEADER	DESCRIPTION	EXAMPLE
Accept	The MIME type of the returned data format (XML or JSON). The default is application/atom+xml. The format parameter value takes precedence over the Accept header value when both are specified.	application/json
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Example

SAMPLE URI	RETURNED RESULTS
https://api.ap.org/v2/account/plans?apiKey={apiKey}	Your plan usage information.
https://api.ap.org/v2/account/plans?apiKey={apiKey}&detail=tiers	Your plan usage information and your plan details.
https://api.ap.org/v2/account/plans?apiKey={apiKey}&detail=tiers&format=json	Your plan usage information and your plan details in the JSON format.

Response

Returns the standard HTTP status code of "200 − OK" and your plan usage information (optionally, including your plan details) for the specified API key in the XML or JSON format. For information about API codes, see "API Codes" on page 59.

Metadata Elements

The following elements describe the response:

XML ELEMENT	JSON PROPERTY	DESCRIPTION
id	"id"	The response ID.
title	"title"	The response name.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the response was returned.
link		The organization for which the plan information is returned.
@rel="profile"	"profile"	Indicates that this <link> element identifies the organization.
@title	"title"	The organization name and the last four digits of the API key.
@href	"id"	The organization ID.
author		Contains the response source.
name		The name of the organization that provided the response.
uri		The website of the organization that provided the response.
rights		Copyright line for the response.

The following elements are returned for each plan:

XML ELEMENT	JSON PROPERTY	DESCRIPTION
entry		Contains the data and metadata associated with an individual plan.
id	"id"	Unique plan ID.
title	"title"	The plan name.
updated	"updated"	The date and time (in W3C XML Schema's xs:dateTime format) when the plan details were returned.
content		The plan usage and optionally, details.
@type		The MIME type of the format in which the plan details are returned (vnd.ap.api.plans+xml).
plan	"plans"	The plan information and usage.

XML ELEMENT	JSON PROPERTY	DESCRIPTION
@style	"planstyle"	Indicates how the used downloads are reported: – percent (for plans such as Choice). – downloads (the actual number of downloads since the beginning of the current billing cycle).
used	"used"	Depending on the plan style, indicates the percent or the number of downloads already used, if available.
usagelimit	"usagelimit"	For download-style plans, indicates the total number of downloads allowed during a billing cycle (usagelimit is not returned if your plan allows for unlimited downloads). For percent-style plans, this value is always 100 (100%).
nextcyclebegins	"nextcyclebegins"	Indicates the start date of the next billing cycle.
tiers	"tiers"	Your plan tiers (returned when the detail=tiers parameter is specified in the request). Plans other than Choice typically have one tier.
tier		The details of each tier.
@name	"name"	The tier name.
@id	"id"	The tier ID.
@interval	"interval"	The length of the billing cycle. For possible values, refer to http://en.wikipedia.org/wiki/ISO_8601#Durations.
@duration	"duration"	For duration-based plans, the length of time during which content is included in the plan. For possible values, refer to http://en.wikipedia.org/wiki/ISO_8601#Durations.
@baseCost	"basecost"	Price per image when the image is included in the plan (if applicable).
@overageAllowed	"overageallowed"	Indicates whether your plan allows you to download images for an extra charge if the plan limit is reached. Possible values are "true" and "false."
@overageCost	"overagecost"	Price per image (extra charge) if the image is out of the plan or if the plan limit is reached.
@currency	"currency"	The currency in which the prices are returned.
contents	"contents"	Content offerings included in this tier.

Sample Response

PhotoChoice and GraphicsBank

The following example shows the plan usage and details in the XML and JSON formats for a user who has two plans (PhotoChoice and GraphicsBank). The GraphicsBank plan information is highlighted in light gray (shown towards the end of this example). The tier details returned when the detail=tiers parameter is specified in the request are shown in dark gray in this example.

XML

```xml
<?xml version="1.0" encoding="UTF-8"?>
- <feed xmlns="https://www.w3.org/2005/Atom">
    <id>https://api.ap.org/v2/account/plans</id>
    <title>My Plans</title>
    <updated>2015-03-29T18:30:02Z</updated>
    <link rel="profile" href="https://api.ap.org/v2/account/profiles/12345" title="Example Org / *8907" />
  - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2015 The Associated Press. All rights reserved.</rights>
  - <entry>
      <id>https://api.ap.org/v2/account/plans/15014</id>
      <title>Choice</title>
      <updated>2015-03-29T18:30:02Z</updated>
```

```xml
- <content type="vnd.ap.api.plans+xml">
    - <plan style="percent" xmlns="https://api.ap.org/schema/plans">
        <used>7</used>
        <usagelimit>100</usagelimit>
        <nextcyclebegins>2015-04-01</nextcyclebegins>
      - <tiers>
          - <tier name="Tier 5 - PhotoChoice" id="http://cv.ap.org/odrl/plantypes/Tier/5" interval="P1M" baseCost="50.00"
              overageAllowed="true" overageCost="60.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>NFL Contributor</contents>
              <contents>Agencia Estado</contents>
              <contents>Football Hall of Fame</contents>
              <contents>RM - National Geographic</contents>
            </tier>
          - <tier name="Tier 4 - PhotoChoice" id="http://cv.ap.org/odrl/plantypes/Tier/4" interval="P1M" baseCost="38.00"
              overageAllowed="true" overageCost="46.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>EbonyJet Collection A</contents>
              <contents>RM - PhotoTakeUSA</contents>
              <contents>RF - Image Source</contents>
              <contents>RF - Blend Images</contents>
              <contents>RF - PhotoAlto</contents>
              <contents>RF - Dinodia</contents>
              <contents>RF - Glow Images</contents>
              <contents>Top Photo</contents>
              <contents>RM - Robert Harding</contents>
              <contents>Invision / Premium PRE1</contents>
              <contents>RF - Stock Trek</contents>
              <contents>RF - Tetra Images</contents>
              <contents>RF - Science Photo</contents>
              <contents>RM - Minden Pictures</contents>
            </tier>
          - <tier name="Tier 3 - PhotoChoice" id="http://cv.ap.org/odrl/plantypes/Tier/3" interval="P1M" baseCost="25.00"
              overageAllowed="true" overageCost="30.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>Canadian Press (Photostream)</contents>
              <contents>ChinaTopix</contents>
              <contents>rvspsPAMPC</contents>
              <contents>Kyodo (Photostream)</contents>
              <contents>Kyodo Extra</contents>
              <contents>Press Association (UKPA) Extra</contents>
              <contents>ImagineChina</contents>
              <contents>Sipa USA</contents>
              <contents>Keystone Photostream</contents>
              <contents>Scanpix</contents>
              <contents>ColorChinaPhoto (CCP)</contents>
              <contents>Canadian Press Archive</contents>
              <contents>Singapore Press Holdings (SPH)</contents>
              <contents>Canadian Press Extra</contents>
              <contents>GeoEye</contents>
              <contents>Yomiuri Shimbun</contents>
              <contents>DAPD (German report)</contents>
              <contents>Prensa Latina</contents>
              <contents>Cal Sports Media</contents>
              <contents>CTK</contents>
              <contents>Writers Pictures</contents>
              <contents>GDA</contents>
              <contents>Rex Features</contents>
              <contents>Newscast</contents>
              <contents>Patrick McMullan</contents>
              <contents>Express Newspaper Group</contents>
              <contents>Korea News Service</contents>
              <contents>Yonhap</contents>
              <contents>Chelsea Football Club</contents>
              <contents>DPA (Photostream)</contents>
              <contents>DPA Archive</contents>
            </tier>
          - <tier name="Tier 2 - PhotoChoice" id="http://cv.ap.org/odrl/plantypes/Tier/2" interval="P1M" baseCost="12.00"
              overageAllowed="true" overageCost="14.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>Contributor</contents>
            </tier>
          - <tier name="Tier 1 - PhotoChoice" id="http://cv.ap.org/odrl/plantypes/Tier/1" interval="P1M" baseCost="10.00"
              overageAllowed="true" overageCost="12.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>IPx Entertainment Photos</contents>
              <contents>wwpExtra</contents>
              <contents>wwpNyOtkAll</contents>
              <contents>wwpNyHs</contents>
              <contents>APstrmPhotos</contents>
              <contents>NFL Outtakes</contents>
              <contents>Invision / Photostream</contents>
```

```xml
                <contents>Invision / Extra (Portal and Webfeeds)</contents>
              </tier>
            </tiers>
          </plan>
        </content>
      </entry>
    - <entry>
          <id>https://api.ap.org/v2/account/plans/15020</id>
          <title>Graphics Bank Only (Metered)</title>
          <updated>2015-03-29T18:30:02Z</updated>
        - <content type="vnd.ap.api.plans+xml">
          - <plan style="downloads" xmlns="https://api.ap.org/schema/plans">
              <used>1</used>
              <usagelimit>22</usagelimit>
              <nextcyclebegins>2015-04-01</nextcyclebegins>
            - <tiers>
              - <tier name="Graphics Bank Only (Metered)" id="http://cv.ap.org/odrl/plantypes/Tier/15020" interval="P2D"
                  overageAllowed="true" overageCost="60.00" currency="http://cvx.iptc.org/iso4217a/USD">
                  <contents>Graphics Bank - All</contents>
                  <contents>AP Animated Graphic Elements</contents>
                </tier>
              </tiers>
          </plan>
        </content>
      </entry>
    </feed>
```

JSON

```json
{
  "id": "https://api.ap.org/v2/account/plans",
  "title": "My Plans",
  "updated": "2015-03-29T18:30:02Z",
  "profile": {
    "id": "https://api.ap.org/v2/account/profiles/12345",
    "title": "Example Org / *8907"
  },
  "plans": [
    {
      "id": "https://api.ap.org/v2/account/plans/15014",
      "title": "Choice",
      "updated": "2015-03-29T18:30:02Z",
      "planstyle": "percent",
      "used": 7,
      "usagelimit": 100,
      "nextcyclebegins": "2015-04-01",
      "tiers": [
        {
          "basecost": 50,
          "interval": "P1M",
          "name": "Tier 5 - PhotoChoice",
          "id": "http://cv.ap.org/odrl/plantypes/Tier/5",
          "overageallowed": true,
          "overagecost": 60,
          "currency": "http://cvx.iptc.org/iso4217a/USD",
          "contents": [
            "NFL Contributor",
            "Agencia Estado",
            "Football Hall of Fame",
            "RM - National Geographic"
          ]},
        {
          "basecost": 38,
          "interval": "P1M",
          "name": "Tier 4 - PhotoChoice",
          "id": "http://cv.ap.org/odrl/plantypes/Tier/4",
          "overageallowed": true,
          "overagecost": 46,
          "currency": "http://cvx.iptc.org/iso4217a/USD",
          "contents": [
            "EbonyJet Collection A",
            "RM - PhotoTakeUSA",
            "RF - Image Source",
            "RF - Blend Images",
            "RF - PhotoAlto",
            "RF - Dinodia",
            "RF - Glow Images",
```

```
          "Top Photo",
          "RM - Robert Harding",
          "Invision / Premium PRE1",
          "RF - Stock Trek",
          "RF - Tetra Images",
          "RF - Science Photo",
          "RM - Minden Pictures"
        ]},
      {
        "basecost": 25,
        "interval": "P1M",
        "name": "Tier 3 - PhotoChoice",
        "id": "http://cv.ap.org/odrl/plantypes/Tier/3",
        "overageallowed": true,
        "overagecost": 30,
        "currency": "http://cvx.iptc.org/iso4217a/USD",
        "contents": [
          "Canadian Press (Photostream)",
          "ChinaTopix",
          "rvspsPAMPC",
          "Kyodo (Photostream)",
          "Kyodo Extra",
          "Press Association (UKPA) Extra",
          "ImagineChina",
          "Sipa USA",
          "Keystone Photostream",
          "Scanpix",
          "ColorChinaPhoto (CCP)",
          "Canadian Press Archive",
          "Singapore Press Holdings (SPH)",
          "Canadian Press Extra",
          "GeoEye",
          "Yomiuri Shimbun",
          "DAPD (German report)",
          "Prensa Latina",
          "Cal Sports Media",
          "CTK",
          "Writers Pictures",
          "GDA",
          "Rex Features",
          "Newscast",
          "Patrick McMullan",
          "Express Newspaper Group",
          "Korea News Service",
          "Yonhap",
          "Chelsea Football Club",
          "DPA (Photostream)",
          "DPA Archive"
        ]},
      {
        "basecost": 12,
        "interval": "P1M",
        "name": "Tier 2 - PhotoChoice",
        "id": "http://cv.ap.org/odrl/plantypes/Tier/2",
        "overageallowed": true,
        "overagecost": 14,
        "currency": "http://cvx.iptc.org/iso4217a/USD",
        "contents": [
          "Contributor"
        ]},
      {
        "basecost": 10,
        "interval": "P1M",
        "name": "Tier 1 - PhotoChoice",
        "id": "http://cv.ap.org/odrl/plantypes/Tier/1",
        "overageallowed": true,
        "overagecost": 12,
        "currency": "http://cvx.iptc.org/iso4217a/USD",
        "contents": [
          "IPx Entertainment Photos",
          "wwpExtra",
          "wwpNyOtkAll",
          "wwpNyHs",
          "APstrmPhotos",
          "NFL Outtakes",
          "Invision / Photostream",
          "Invision / Extra (Portal and Webfeeds)"
```

```
            ]}
        ]},
      {
        "id": "https://api.ap.org/v2/account/plans/15020",
        "title": "Graphics Bank Only (Metered)",
        "updated": "2015-03-29T18:30:02Z",
        "planstyle": "downloads",
        "used": 1,
        "usagelimit": 22,
        "nextcyclebegins": "2015-04-01",
        "tiers": [
          {
            "interval": "P2D",
            "name": "Graphics Bank Only (Metered)",
            "id": "http://cv.ap.org/odrl/plantypes/Tier/15020",
            "overageallowed": true,
            "overagecost": 60,
            "currency": "http://cvx.iptc.org/iso4217a/USD",
            "contents": [
                "Graphics Bank - All",
                "AP Animated Graphic Elements"
            ]}
        ]}
    ]}
```

GraphicsBank Plus Example

This example shows a GraphicsBank Plus plan where the extra charge amount depends on the content media type (photos or graphics).

XML

```xml
<?xml version="1.0" encoding="UTF-8"?>
- <feed xmlns="https://www.w3.org/2005/Atom">
    <id>https://api.ap.org/v2/account/plans</id>
    <title>My Plans</title>
    <updated>2015-04-14T17:26:55.374Z</updated>
    <link rel="profile" href="https://api.ap.org/v2/account/profiles/34567" title="Example Org / *6708" />
  - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2015 The Associated Press. All rights reserved.</rights>
  - <entry>
      <id>https://api.ap.org/v2/account/plans/15022</id>
      <title>GraphicsBankPlus - Photos only (metered) with partners / GraphicsBank Plus Graphics only (Metered)</title>
      <updated>2015-04-14T17:26:55.374Z</updated>
    - <content type="vnd.ap.api.plans+xml">
      - <plan style="downloads" xmlns="https://api.ap.org/schema/plans">
          <used>4</used>
          <usagelimit>50</usagelimit>
          <nextcyclebegins>2015-05-01</nextcyclebegins>
        - <tiers>
          - <tier name="GraphicsBankPlus - Photos only (metered) with partners" id="http://cv.ap.org/odrl/plantypes/Tier/68588"
              interval="P1M" overageAllowed="false">
              <contents>Newspaper Member</contents>
              <contents>Canadian Press (Photostream)</contents>
              …
              <contents>Olympics Photos</contents>
            </tier>
          - <tier name="GraphicsBank Plus Graphics only (Metered)" id="http://cv.ap.org/odrl/plantypes/Tier/68589"
              interval="P1M" overageAllowed="true" overageCost="5.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>Graphics Bank - All</contents>
            </tier>
          </tiers>
        </plan>
      </content>
    </entry>
  </feed>
```

JSON

```
{
  "id": "https://api.ap.org/v2/account/plans",
  "title": "My Plans",
  "updated": "2015-04-14T17:26:55.374Z",
  "profile": {
    "id": "https://api.ap.org/v2/account/profiles/34567",
```

```
      "title": "Example Org / *9807"
    },
  "plans": [
    {
      "id": "https://api.ap.org/v2/account/plans/15022",
      "title": "GraphicsBankPlus - Photos only (metered) with partners / GraphicsBank Plus Graphics only (Metered)",
      "updated": "2015-04-14T17:26:55.374Z",
      "planstyle": "downloads",
      "used": 4,
      "usagelimit": 50,
      "nextcyclebegins": "2015-05-01",
      "tiers": [
        {
          "interval": "P1M",
          "name": "GraphicsBankPlus - Photos only (metered) with partners",
          "id": "http://cv.ap.org/odrl/plantypes/Tier/68588",
          "overageallowed": false,
          "contents": [
            "Newspaper Member",
            "Canadian Press (Photostream)",
            "Olympics Photos"
          ]},
        {
          "interval": "P1M",
          "name": "GraphicsBank Plus Graphics only (Metered)",
          "id": "http://cv.ap.org/odrl/plantypes/Tier/68589",
          "overageallowed": true,
          "overagecost": 5,
          "currency": "http://cvx.iptc.org/iso4217a/USD",
          "contents": [
            "Graphics Bank - All"
          ]}
      ]}
  ]}
```

Duration-Based Pricing Example

This example shows a plan with duration-based pricing where the content up to 14 days old is included in the plan, and an extra charge applies to older content.

XML

```
- <feed xmlns="http://www.w3.org/2005/Atom">
    <id>https://api.ap.org/v2/account/plans</id>
    <title>My Plans</title>
    <updated>2015-04-16T14:36:31.931Z</updated>
    <link rel="profile" href="https://api.ap.org/v2/account/profiles/33075" title="Example Org / *2345" />
  - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2015 The Associated Press. All rights reserved.</rights>
  - <entry>
      <id>https://api.ap.org/v2/account/plans/68954</id>
      <title>U.S. Newspaper Member - (AP Complete with Extra Choice Outtakes) Corbis In</title>
      <updated>2015-04-16T14:36:31.931Z</updated>
    - <content type="vnd.ap.api.plan+xml">
      - <plan style="downloads" xmlns="https://api.ap.org/schema/plans">
          <nextcyclebegins>2015-05-01</nextcyclebegins>
        - <tiers>
          - <tier name="U.S. Newspaper Member - (AP Complete with Extra Choice Outtakes) Corbis In" duration="P14D"
                overageAllowed="true" overageCost="35.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>Canadian Press (Photostream)</contents>
              <contents>ChinaTopix</contents>
              <contents>Keystone Photostream</contents>
                 ...
              <contents>Scanpix</contents>
            </tier>
          - <tier name="U.S. Newspaper Member - (AP Complete with Extra Choice Outtakes) Corbis In" duration="P14D"
                overageAllowed="true" overageCost="200.00" currency="http://cvx.iptc.org/iso4217a/USD">
              <contents>Kyodo (Photostream)</contents>
            </tier>
          </tiers>
        </plan>
      </content>
    </entry>
</feed>
```

JSON

```
{
  "id": "https://api.ap.org/v2/account/plans",
  "title": "My Plans",
  "updated": "2015-04-16T15:23:59.213Z",
  "profile": {
    "id": "https://api.ap.org/v2/account/profiles/33075",
    "title": "Example Org / *2345"
  },
  "plans": [
    {
      "id": "https://api.ap.org/v2/account/plans/68954",
      "title": "U.S. Newspaper Member - (AP Complete with Extra Choice Outtakes) Corbis In",
      "updated": "2015-04-16T15:23:59.213Z",
      "planstyle": "downloads",
      "nextcyclebegins": "2015-05-01",
      "tiers": [
        {
          "duration": "P14D",
          "name": "U.S. Newspaper Member - (AP Complete with Extra Choice Outtakes) Corbis In",
          "overageallowed": true,
          "overagecost": 35,
          "currency": "http://cvx.iptc.org/iso4217a/USD",
          "contents": [
            "Canadian Press (Photostream)",
            "ChinaTopix",
            "Keystone Photostream",
            "Scanpix"
          ]},
        {
          "duration": "P14D",
          "name": "U.S. Newspaper Member - (AP Complete with Extra Choice Outtakes) Corbis In",
          "overageallowed": true,
          "overagecost": 200,
          "currency": "http://cvx.iptc.org/iso4217a/USD",
          "contents": [
            "Kyodo (Photostream)"
          ]}
      ]}
  ]}
```

MY ORDER HISTORY

Description

Returns a link to the CSV file containing your order history—a list of content items downloaded by you or your salesperson. The download information is available for the last 365 days only. The default date range is 30 days prior to the time of the request. You can use the optional minDate and maxDate parameters to specify another date range that may not exceed 60 days within the last 365 days.

Request

METHOD	REQUEST URI
GET	https://api.ap.org/v2/account/orders?apiKey={apiKey}[&optionalParameters]

Request URI Parameters

Required Parameter

PARAMETER	DESCRIPTION	VALID VALUE
version	The API version. Currently, the only valid value is v2.	v2

Optional Parameters

PARAMETER	DESCRIPTION	EXAMPLE
minDate	The date and time after which the content items were downloaded, in the format YYYY-MM-DD or YYYY-MM. The default is 30 days prior to the time of the request. The download information is available for the last 365 days only. ⚠️ **Important**: The requested date range may not exceed 60 days.	2015-04-02 2015-02
maxDate	The date and time before which the content items were downloaded, in the format YYYY-MM-DD or YYYY-MM. The default is the time of the request. ⚠️ **Important**: The requested date range may not exceed 60 days.	2015-04-10 2015-03

Request Headers

HEADER	DESCRIPTION	VALID VALUE
Accept	The MIME type of the returned data format. The default is text/csv.	text/csv
Accept-Encoding	Compresses the response to the gzip format.	gzip

Request URI Example

https://api.ap.org/v2/account/orders?minDate=2015-02&maxDate=2015-03&apiKey={apiKey}

Response

Returns the standard HTTP status code of "200 – OK" and the CSV file containing a list of downloaded content items for the specified API key and date parameters.

The default file name format is **Orders-**yyyy-MM-dd**T**HH-mm-ss**Z.csv** where the date and time is the date and time of the request; for example, Orders-2015-03-23T14-31-23Z.csv.

For information about error codes, see "API Codes" on page 59.

Order History Fields

For each image, the following fields are returned in the CSV format:

FIELD NAME	DESCRIPTION	EXAMPLE
Order Number	Order Number	19992382
Org Name	Organization name	Example Organization
Downloaded By	The user's first and last names	Example User
Download Date	The date and time of the image download in Coordinated Universal Time (UTC)	2015-03-19T13:24:01.07Z
Item ID	The content item ID (the unique ID used by AP Content API)	https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349
Image ID/Story ID	The human-readable ID (image ID for AP Images content; story ID for video)	938040133505 apus056961
Source	The image source	Kyodo News
Title	The image title	Harumafuji, Myogiryu

FIELD NAME	DESCRIPTION	EXAMPLE
Caption	The image caption	Mongorian grand champion Harumafuji, right, and third-highest rank of sekiwake Myogiryu go head to head during day eleven of the Grand Sumo Spring Tournament in Osaka, western Japan Wednesday, March 18, 2015. Harumafuji defeated Myogiryu in the match. (AP Photo/Kyodo News, Ren Onuma) JAPAN OUT, CREDIT MANDATORY
Type	Indicates whether the image is a photo or a graphic	Photo
Duplicate	Indicates whether the image is a duplicate	No
Charge	The charge for the image	25.00
Currency	The currency of the charge	USD

Example

This example shows a sample of the Order History CSV format and the CSV file open in Excel.

Order History CSV Format

```
Order Number,Org Name,Downloaded By,Download Date,Item ID,Image ID/Story
ID,Source,Title,Caption,Type,Duplicate,Charge,Currency
19992382,Example Organization,Example User,2015-03-
19T13:24:01.07Z,https://api.ap.org/v2/item/fedf6ff0f6564fc29449f189d9242349,"938040133505",Kyodo News,"Harumafuji,
Myogiryu","Mongorian grand champion Harumafuji, right, and third-highest rank of sekiwake Myogiryu go head to head during
day eleven of the Grand Sumo Spring Tournament in Osaka, western Japan Wednesday, March 18, 2015. Harumafuji defeated
Myogiryu in the match. (AP Photo/Kyodo News, Ren Onuma) JAPAN OUT, CREDIT MANDATORY",Photo,No,25.00,USD
```

Order History CSV in Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Order Number	Org Name	Downloaded By	Download Date	Item ID	Image ID/Story ID	Source	Title	Caption	Type	Duplicate	Charge	Currency
2	19992382	Example Org	Example User	2015-03-19T13:24	https://ap	"938040133505"	Kyodo Ne	Harumafu	Mongoria	Photo	No	25	USD

APPENDIX

API CODES

In addition to HTTP status codes, Content API returns detail error codes if available. For example, the following error is returned if "query" is specified instead of "q" in the search request:

```
<Error xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Code>400</code>
  <DetailCode>5000</DetailCode>
  <Message>Specified parameter 'query' is invalid</Message>
</Error>
```

By default, error messages are returned in XML. If JSON is requested (in the Accept header or in the format parameter value), the error is returned in JSON. For example, the following error is returned if JSON is requested and detail=tires is specified instead of detail=tiers in the My Plans request:

```
{
  "code": 400,
  "detailCode": 5001,
  "message": "Specified value for detail 'tires' is invalid"
}
```

List of Detail Error Codes

You can access the list of detail error codes in XML or JSON at

http://api.ap.org/v2/docs/errors?apikey={apiKey}[&format=json]

API Code Examples

STATUS CODE	DETAIL CODE	MESSAGE	ACTION
200		OK	Process the response.
302		Found	Implement a redirect to the URL for the content item binary in the Location field.
400	1000	The request cannot be fulfilled due to bad syntax	If the issue is not described in the "Search and Metadata" section of the *AP Content API FAQs*, check the request syntax and parameters.
	5000	Invalid parameter name specified	
	5001	Invalid parameter value specified	
	5003	Date range should not exceed 60 days	Check the minDate and maxDate date parameter values in the Order History request (see "My Order History" on page 56).
	5004	Date specified should not exceed the current date	
	5005	Minimum date should not be greater than maximum date	
	5006	Date specified should not exceed more than 365 days prior to the current date	
	5008	Invalid date format specified	Check the format of the specified date parameter(s) (see "Search Requests" on page 6 and "My Order History" on page 56).
	5009	Specified mediatype is not supported	Check the {mediaType} parameter value.
	6000	Specified search query is invalid	Check the q parameter value.
	6001	Specified search query field is invalid	Check the metadata field names used in the q parameter value.
	6002	Specified search query has invalid formatting	Check the q parameter value syntax.
	9003	Invalid rendition	To download content item renditions, use the links returned in search results instead of constructing those links (see "Recommended Practices" on page 5).

STATUS CODE	DETAIL CODE	MESSAGE	ACTION
401	2000	Authentication Failed	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.
	2001	Authentication Failed: No credentials detected.	
402		Price has changed. Refer to response body for new details and link.	Refer to "Download After a Price Change" on page 44.
403		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.
	9401	No longer available - check your plan.	Refer to "Download No Longer Allowed" on page 45.
	9402	No permission to download.	Refer to the "Downloads" section of the *AP Content API FAQs*.
		Over queries per minute limit	Contact AP Customer Support at APCustomerSupport@ap.org.
		Over rate limit	
404	7001	The requested content item was not found	Refer to the "Searches and Metadata" section of the *AP Content API FAQs*.
	9001	Document not found	Refer to the "Downloads" section of the *AP Content API FAQs*.
	9002	Binary not found	
405		Method not allowed	Check the request method. Currently, GET is the only supported HTTP method for Content API requests.
413		The request is larger than the server is willing or able to process	There are too many results; narrow your search criteria.
414		URI length exceeds 6000 characters	Make sure that your request is no longer than 6,000 characters.
500	8000	Internal Server Error	
502		Bad Gateway	Contact AP Customer Support at APCustomerSupport@ap.org.
503	8001	Service Unavailable	
504		Gateway Timeout	

TOP-LEVEL SUBJECT CATEGORIES

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

NEWSML-G2 METADATA DEFINITIONS

This section describes the NewsML-G2 metadata fields returned (if available) in the <u>full item metadata</u> response. For more information, see "Item Metadata Method" on page 36.

Rights Metadata

ELEMENT	DESCRIPTION
rightsInfo	Container for information about the copyright holder, copyright statement and usage terms.
copyrightHolder	The current owner of the rights to the intellectual property of the content.
copyrightNotice	The formal statement claiming the intellectual property ownership.
usageTerms	Human-readable use and pricing information for the content item (including any special restrictions). ⚠️ **Important**: – Pricing information is returned only when showPricing=true is specified in the request. – In addition to the special restrictions in the usage terms, make sure to check for any special restrictions in the <u>video script/shotlist (</u>description role="drol:script" **and/or** description role="drol:shotlist") **and for any** special instructions in the <u>editorial note</u> (edNote). For more information, see "Usage Instructions and Pricing" on page 29.

Managament Metadata

ELEMENT	DESCRIPTION
itemMeta	Container for management metadata.
itemClass	The type of content conveyed by the item: – picture (for photos) – graphic (for graphics) – video (for video)
provider	The content item provider.
versionCreated	The date and time when the current version of the content item was published.
firstCreated	The date and time when the content item was originally published.
pubStatus	Publishing status (such as usable).
role	*For video only*: The editorial role of a video content item. Possible values are: – Package. A self-contained story with video and sound bites, including a prerecorded narration. AP provides packages with a script and the anchor narration on one channel and the natural sound and sound bites on a separate channel for the local station to rerecord the narration if necessary. – VO. Video to be voiced over live by an anchor in a newscast (an edited section of natural sound video showing the best pictures). – SOT. Sound on tape, with one or more sound bites edited together. – VOSOT. Video to be voiced over live by an anchor in a newscast followed by a sound bite or multiple sound bites.
generator	One of the following: – The generator used to create the G2 package or news item. – The AP Classification authority (for example, AP Subject, AP Geography) used to tag the news item (see subject below).

ELEMENT	DESCRIPTION
service	Services for distributing the content item.
edNote	Editorial instructions for processing the item. Do <u>not</u> distribute this information to news consumers, except where explicitly noted. ⚠️ **Important**: – *For AP Images content:* In addition to the editorial instructions, make sure to check for any special restrictions in the usageTerms. – *For video*: Always check for any <u>special restrictions</u> in the usageTerms and in the <u>script/shotlist (</u>description role="drol:script" **and/or** description role="drol:shotlist"). For more information, see "Usage Instructions and Pricing" on page 29.
signal	Machine-readable instructions for processing the content item; for example, consumerready indicates that the content is publishable.

Content Metadata

ELEMENT	DESCRIPTION
contentMeta	Container for administrative and descriptive content metadata.
icon	*For video only*: links to the thumbnails of different sizes and the preview image (if available).
urgency	The editorial priority assigned to the content (if available). The possible values range from 1 (highest priority) to 8 (lowest priority). – 1 (Flash) – 4 (Rush) – 7 (Weekday advance) – 2 (Bulletin) – 5 (Daily) – 8 (Weekend advance) – 3 (Urgent) – 6 (Release at will)
contentCreated	The date and time when the content item was originally published.
contentModified	The date and time when the current version of the content item was published.
creator	*For images only:* The party who created the content (for example, a photographer).
contributor	*For images only:* The party who contributed to the content (for example, a caption writer).
located	The location where the news event or subject described/depicted by the content occurred (if available).
infoSource	The name of the organization or individual that provided source material for the content item.
altId	Alternative IDs: – friendlyKey: a human-readable ID of a content item ('image ID' in AP Images). For video, storyid is typically used as a human-readable ID (see below). – recordSequenceNumber: the content item revision number: 0 for the initial version, 1 for the first revision, 2 for the second revision and so on. – itemId: a unique ID for the chain of revisions that comprise a content item. – itemIdSequence: a combination of the item ID and revision number, which uniquely identifies a content item revision. – recordId: a unique ID for a specific revision of the content item. – storyid *(for video only)*: the story ID of a video content item (AP Archive story number). – editorialId: the content item ID in an external content system according to editorial practices.
language	The language used by the news content (ISO-639 two-letter language codes).
keyword	A multi-word field used to expedite content searching.

ELEMENT	DESCRIPTION
subject	AP vocabulary terms that are relevant to the news content. Each term occurrence appears in its own <subject> element and contains the standardized term name, its unique ID and a broader term, if available. For more information, see the list of AP Subjects posted at http://developer.ap.org/sites/default/files/APSubjects.xls and the list of AP Geography locations at http://developer.ap.org/sites/default/files/APGeography.xls.
@why	Explains why the term has been applied to the submitted content: – The "why:direct" value indicates the terms applied directly by the AP Classification service. – The "why:ancestor" value indicates the terms inferred from hierarchy. For instance, *Events* is a broader subject for *September 11 attacks*. – The "why:inferred" value indicates the terms inferred from relationships other than hierarchy, such as additional subject occurrences that are added based on entity or subject matches. For example, a match on *September 11 attacks* ensures the application of the subject terms *Terrorism* and *War and unrest*.
slugline	The slug for the content item.
headline	A brief synopsis of a content item.
creditline	*For images only:* The party or parties that are credited with providing the content.
description	One of the following, each in its own <description> element: – *For photos and graphics*: a caption and an overline. – *For video*: a script/shotlist and/or a caption. ⚠️ **Important note for video**: Always check the script/shotlist (description role="drol:script" and/or description role="drol:shotlist") for any special restrictions.

Content Characteristics

ELEMENT	DESCRIPTION
contentSet	Container for content and/or content references.
remoteContent	The links to the various renditions of the content item: – *For photos and graphics*: the main, preview and thumbnail images. – *For video*: the preview video file (if available) and one or more main video files in a variety of formats, each at various quality levels.
@residref	Resource Identifier Reference used to identify the content item rendition.
@href	The URL to the content item rendition.
@rendition	The content item rendition; for example, highRes, preview or thumbnail.
@size	The byte size of the content item data.
@contenttype	The MIME type associated with the content item data (for example, image/jpeg or video/3GPP).
@format	The format of the content item data (for example, JPEG_Baseline or MPEG).
@width	Width of image/video in pixels.
@height	Height of image/video in pixels.
@colourspace	*For video only:* The color space of video (for example, Color or BlackAndWhite), if available.
@layoutorientation	*For images only:* The image orientation: landscape (horizontal) or portrait (vertical). Indicates whether the human interpretation of the top of the image is aligned to its short side (vertical) or long side (horizontal). Possible values are: – loutorient:horizontal **(landscape images)** – loutorient:vertical **(portrait images)**

ELEMENT	DESCRIPTION
@resolution	The recording or image resolution of the content (if available): – *For images*: the recommended printing resolution in dots per inch. – *For video*: the number of distinct pixels in each dimension.
@videoframerate	*For video only:* The number of frames per second in the video content.
@videocodec	*For video only:* The video encoding system used to create the content.
@videoaspectratio	*For video only:* Aspect ratio of this file, which is the ratio of the width of video to its height, such as 16:9 and 4:3 (if available).
@videoscaling	*For video only:* Describes how the aspect ratio of a video has been changed from the original in order to accommodate a different display dimension. Possible values are: – sov:pillarboxed. Pillarboxed (bars to the left and right). – sov:letterboxed. Letterboxed (bars to the top and bottom). – sov:mixed. Mixed (two or more different aspect ratios are used in the video over the timeline). – sov:unscaled. Original (no scaling has been applied).
@videoavgbitrate	*For video only:* The average amount of data that is transferred per second in the video content.
@duration	*For video only:* The duration of the video content.
@durationunit	*For video only:* The time units in which duration is reported.
hash	A short digest (also known as *checksum* or *hash*) of the content item data (if available).
@hashtype	Algorithm used to create the digest, such as the MD5 digest algorithm.