



# Content API Services Documentation

## Version 1.3



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## Introduction

The PRN news content application programming interfaces (APIs) is a suite of REST services available from PR Newswire and designed to provide access to PR Newswire's vast array of news content. The news content APIs will allow media organizations, content aggregators, mobile application partners and other content product developers to create applications that formulate queries by which they may search and extract data from PRN's store of news release data.

This document provides the necessary instructions to access, program and deploy the selected PR Newswire news content API as well as sample request / response patterns.

## Service usage:

### getMasterData Service:

This service can be used to fetch the master data that can be used in the "query" parameter of the getReleases, getHeadlinelinks, getReleases/atom and getRSS services.

Master Data List	
URL	: <a href="http://api.prnewswire.com/releases/getMasterData">http://api.prnewswire.com/releases/getMasterData</a>
Method	: GET
API key required	: NO
Request Argument	: Query string
Response Output	: If Request Accept Header is "application/json" then the response object is JSON. Sample JSON response is available at <a href="http://api.prnewswire.com/samples/MasterData.json">http://api.prnewswire.com/samples/MasterData.json</a>  If Request Accept Header is "application/xml" then the response object is XML. Sample XML response is available at <a href="http://api.prnewswire.com/samples/MasterData.xml">http://api.prnewswire.com/samples/MasterData.xml</a>
Accept Query String	: Querystring name : "listName"  <i>GEOGRAPHY</i> <i>INDUSTRY</i> <i>SUBJECT</i> <i>LANGUAGE</i> <i>EXCHANGE</i>  Sample : <a href="http://api.prnewswire.com/releases/getMasterData?listName=SUBJECT">http://api.prnewswire.com/releases/getMasterData?listName=SUBJECT</a>



Response Schema	:	Response XSD <a href="http://api.prnewswire.com/documents/getMasterData.xsd">http://api.prnewswire.com/documents/getMasterData.xsd</a>
STATUS CODES	:	<ol style="list-style-type: none"> <li>1. "COAPI-101 ","INPUT DATA IS INVALID."</li> <li>2. "COAPI-102","INTERNAL SERVER ERROR"</li> <li>3. "COAPI-100","SUCCESS"</li> </ol>

## getReleases Service:

The getReleases service returns list of releases based on filter parameters. The response includes the complete detailed information about each release, viz. headline, subtitle, and news release content, and, when available (as not every release includes these elements), audio, photos and videos links. The output will contain the releases that were selected according to the chosen filters. The filters allow for selection by language, industry, topic, geography, stock ticker, based on the tagging accompanying each news release.

There are two additional filter parameters “getRecent” and “timeInterval”. When “getRecent” is set to “true”, API fetches all the matching releases which are distributed within the last ‘n’ minutes from current time, where ‘n’ is the time value given in minutes for the filter parameter “timeInterval”.

<b>GetReleases</b>	
URL	: <a href="http://api.prnewswire.com/releases/version01/getReleases">http://api.prnewswire.com/releases/version01/getReleases</a>
Method	: GET / POST
API Key required	: YES param name : apikey apikey value : 16-digit hex-decimal key recvd. after registration.
Request Argument	: Query String
Response Output	: If Request Accept Header is “application/json” then the response object is JSON. Sample JSON response is available at <a href="http://api.prnewswire.com/samples/getReleases.json">http://api.prnewswire.com/samples/getReleases.json</a>  If Request Accept Header is “application/xml” then the response object is XML. Sample XML response is available at <a href="http://api.prnewswire.com/samples/getReleases.xml">http://api.prnewswire.com/samples/getReleases.xml</a>
Response Schema	: Response XSD <a href="http://api.prnewswire.com/documents/getReleases.xsd">http://api.prnewswire.com/documents/getReleases.xsd</a>
Accept Query String	: “query” “pageIndex” “pageSize” “startDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 15:26 “endDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 19:23 The max. date range allowed is for 180 days.  “getRecent” ‘true’ or ‘false’



	:	"timeInterval" 'numeric value in minutes' Eg: timeInterval=15
Valid Query	:	<a href="#">Query Parser Syntax</a>
Default Values	:	pageIndex - 1 pageSize - 20 endDate - Current Date startDate - Current Date - 90 Days getRecent - false
Sample query URLs	:	http://api.prnewswire.com/releases/version01/getReleases?query=(headline:"Gift to Those Staying at Home" AND language:en AND geography:OHIO)&startDate=01/01/2005&endDate=01/01/2011&apikey=xxxxxxxxxxxxxxxx
STATUS CODES	:	<ol style="list-style-type: none"> <li>1. "COAPI-101 ","INPUT DATA IS INVALID."</li> <li>2. "COAPI-102","INTERNAL SERVER ERROR"</li> <li>3. "COAPI-103","WRONG DATE FORMAT"</li> <li>4. "COAPI-105","INVALID PAGE INDEX OR PAGE SIZE"</li> <li>5. "COAPI-114","API KEY IS INVALID"</li> <li>6. "COAPI-118","INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE"</li> <li>7. "COAPI-119","KEY RATE LIMIT EXCEEDED."</li> <li>8. "COAPI-120","PAGE SIZE LIMIT EXCEEDED"</li> <li>9. "COAPI-124","INVALID SEARCH QUERY"</li> <li>10. "COAPI-125","SOURCE NOT ALLOWED IN THE QUERY"</li> <li>11. "COAPI-126","DATE RANGE EXCEEDED THE MAXIMUM LIMIT."</li> <li>12. "COAPI-127","INVALID TIME INTERVAL OR EXCEEDS THE MAX LIMIT.</li> <li>13. "COAPI-100","SUCCESS"</li> </ol>

## getHeadlinelinks Service:

The getHeadlinelinks service Returns list of release headlines with links based on filter parameters. The details in the response include articleID, date of the release, headline and its corresponding link on prnewswire.com website if available. The output will contain the releases that were selected according to the chosen filters. The filters allow for selection by language, industry, topic, geography and stock ticker based on the tagging accompanying each news release.

There are two additional filter parameters “getRecent” and “timeInterval”. When “getRecent” is set to “true”, API fetches all the matching releases which are distributed within the last ‘n’ minutes from current time, where ‘n’ is the time value given in minutes for the filter parameter “timeInterval”.

<b>GetHeadlinelinks</b>		
URL	:	<a href="http://api.prnewswire.com/releases/version01/getHeadlinelinks">http://api.prnewswire.com/releases/version01/getHeadlinelinks</a>
Method	:	GET / POST
API Key required	:	YES param name : apikey apikey value : 16-digit hex-decimal key recvd. after registration.
Request Argument	:	Query String
Response Output	:	If Request Accept Header is “application/json” then the response object is JSON. Sample JSON response is available at <a href="http://api.prnewswire.com/samples/getHeadlinelinks.json">http://api.prnewswire.com/samples/getHeadlinelinks.json</a>  If Request Accept Header is “application/xml” then the response object is XML. Sample XML response is available at <a href="http://api.prnewswire.com/samples/getHeadlinelinks.xml">http://api.prnewswire.com/samples/getHeadlinelinks.xml</a>
Response Schema	:	Response XSD <a href="http://api.prnewswire.com/documents/getHeadlinelinks.xsd">http://api.prnewswire.com/documents/getHeadlinelinks.xsd</a>
Accept Query String	:	“query” “pageIndex” “pageSize” “startDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 15:26 “endDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 19:23 The max. date range allowed is for 180 days.  “getRecent” ‘true’ or ‘false’ “timeInterval” ‘numeric value in minutes’ Eg: timeInterval=15
Valid Query	:	<a href="#">Query Parser Syntax</a>
Default Values	:	pageIndex - 1



		<p>pageSize – 20                  endDate – Current Date                  startDate – Current Date – 90 Days                  getRecent – false</p>
Sample query URLs	:	<p>http://api.prnewswire.com/releases/version01/getHeadlineLinks?query=(headline:(TEST) AND subject:TDS)&amp;pageIndex=1&amp;pageSize=5&amp;startDate=01/03/2008&amp;endDate=31/03/2012&amp;apikey=xxxxxxxxxxxxxxxxxxxx</p>
STATUS CODES	:	<ol style="list-style-type: none"> <li>1. "COAPI-101 ", "INPUT DATA IS INVALID."</li> <li>2. "COAPI-102", "INTERNAL SERVER ERROR"</li> <li>3. "COAPI-103", "WRONG DATE FORMAT"</li> <li>4. "COAPI-105", "INVALID PAGE INDEX OR PAGE SIZE"</li> <li>5. "COAPI-114", "API KEY IS INVALID"</li> <li>6. "COAPI-118", "INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE"</li> <li>7. "COAPI-119", "KEY RATE LIMIT EXCEEDED."</li> <li>8. "COAPI-124", "INVALID SEARCH QUERY"</li> <li>9. "COAPI-125", "SOURCE NOT ALLOWED IN THE QUERY"</li> <li>10. "COAPI-126", "DATE RANGE EXCEEDED THE MAXIMUM LIMIT."</li> <li>11. "COAPI-127", "INVALID TIME INTERVAL OR EXCEEDS THE MAX LIMIT."</li> <li>12. "COAPI-120", "PAGE SIZE LIMIT EXCEEDED"</li> <li>13. "COAPI-100", "SUCCESS"</li> </ol>



## getRelease Service:

The getRelease service returns the full metadata and story content for a given articleId. The response includes the complete detailed information about given release id, viz. headline, subtitle, and news release content, and, when available (as not every release includes these elements), audio, photos and videos links. The output will contain the release with specific Id.

<b>GetRelease</b>		
URL	:	<a href="http://api.prnewswire.com/releases/version01/getRelease">http://api.prnewswire.com/releases/version01/getRelease</a>
Method	:	GET / POST
API Key required	:	YES param name : apikey apikey value : 16-digit hex-decimal key recvd. after registration.
Request Argument	:	Query String
Response Output	:	If Request Accept Header is "application/json" then the response object is JSON. Sample JSON response is available at <a href="http://api.prnewswire.com/samples/getRelease.json">http://api.prnewswire.com/samples/getRelease.json</a>  If Request Accept Header is "application/xml" then the response object is XML. Sample XML response is available at <a href="http://api.prnewswire.com/samples/getRelease.xml">http://api.prnewswire.com/samples/getRelease.xml</a>
Response Schema	:	Response XSD <a href="http://api.prnewswire.com/documents/getRelease.xsd">http://api.prnewswire.com/documents/getRelease.xsd</a>
Accept Query String	:	articleId
Default Values	:	None
Sample URL	:	<a href="http://api.prnewswire.com/releases/version01/getRelease?articleId=1234567">http://api.prnewswire.com/releases/version01/getRelease?articleId=1234567</a>
STATUS CODES	:	<ol style="list-style-type: none"> <li>1. "COAPI-101 ","INPUT DATA IS INVALID."</li> <li>2. "COAPI-102","INTERNAL SERVER ERROR"</li> <li>3. "COAPI-114","API KEY IS INVALID"</li> <li>4. "COAPI-118","INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE"</li> <li>5. "COAPI-119","KEY RATE LIMIT EXCEEDED."</li> <li>6. "COAPI-121","RELEASE ID IS INVALID"</li> <li>7. "COAPI-100","SUCCESS"</li> </ol>

## getReleases/atom Service:

The getReleases/atom service returns list of releases in a standard ATOM format based on filter parameters. The response includes the complete detailed information about each release, viz. headline, subtitle, and news release content, and, when available (as not every release includes these elements), audio, photos and videos links. The output will contain the releases that were selected according to the chosen filters. The filters allow for selection by language, industry, topic, geography, stock ticker, based on the tagging accompanying each news release.

There are two additional filter parameters “getRecent” and “timeInterval”. When “getRecent” is set to “true”, API fetches all the matching releases which are distributed within the last ‘n’ minutes from current time, where ‘n’ is the time value given in minutes for the filter parameter “timeInterval”.

<b>GetReleases/atom</b>	
URL	: <a href="http://api.prnewswire.com/releases/version01/getReleases/atom">http://api.prnewswire.com/releases/version01/getReleases/atom</a>
Method	: GET
API Key required	: YES param name : apikey apikey value : 16-digit hex-decimal key recvd. after registration.
Request Argument	: Query String
Response Output	: If Request Accept Header is “application/xml” or “application/atom+xml” then the response object is in standard ATOM XML format. Sample ATOM response is available at <a href="http://api.prnewswire.com/samples/getReleases-atom.xml">http://api.prnewswire.com/samples/getReleases-atom.xml</a>
Response Schema	: NA
Accept Query String	: “query” “pageIndex” “pageSize” “startDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 15:26 “endDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 19:23 The max. date range allowed is for 180 days.  “getRecent” ‘true’ or ‘false’ “timeInterval” ‘numeric value in minutes’ Eg: timeInterval=15



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Valid Query	:	<a href="#">Query Parser Syntax</a>
Default Values	:	pageIndex – 1 pageSize – 20 endDate – Current Date startDate – Current Date – 90 Days getRecent – false
Sample query URLs	:	http://api.prnewswire.com/releases/version01/getReleases/atom?query=(headline:"Gift to Those Staying at Home" AND language:en AND geography:OHIO)&startDate=01/01/2005&endDate=01/01/2011&apikey=xxxxxxxxxxxxxxxx
STATUS CODES	:	<ol style="list-style-type: none"><li>1. "COAPI-101 ", "INPUT DATA IS INVALID."</li><li>2. "COAPI-102", "INTERNAL SERVER ERROR"</li><li>3. "COAPI-103", "WRONG DATE FORMAT"</li><li>4. "COAPI-105", "INVALID PAGE INDEX OR PAGE SIZE"</li><li>5. "COAPI-114", "API KEY IS INVALID"</li><li>6. "COAPI-118", "INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE"</li><li>7. "COAPI-119", "KEY RATE LIMIT EXCEEDED."</li><li>8. "COAPI-120", "PAGE SIZE LIMIT EXCEEDED"</li><li>9. "COAPI-124", "INVALID SEARCH QUERY"</li><li>10. "COAPI-125", "SOURCE NOT ALLOWED IN THE QUERY"</li><li>11. "COAPI-126", "DATE RANGE EXCEEDED THE MAXIMUM LIMIT."</li><li>12. "COAPI-127", "INVALID TIME INTERVAL OR EXCEEDS THE MAX LIMIT."</li><li>13. "COAPI-100", "SUCCESS"</li></ol>

## getRSS Service:

The getRSS service returns list of releases in a standard RSS format based on filter parameters. The response includes brief information about each release, viz. headline, published date and news release summary (abstract). The output will contain the releases that were selected according to the chosen filters. The filters allow for selection by language, industry, topic, geography, stock ticker, based on the tagging accompanying each news release.

There are two additional filter parameters “getRecent” and “timeInterval”. When “getRecent” is set to “true”, API fetches all the matching releases which are distributed within the last ‘n’ minutes from current time, where ‘n’ is the time value given in minutes for the filter parameter “timeInterval”.

<b>GetRSS</b>	
URL	: <a href="http://api.prnewswire.com/releases/version01/getRSS">http://api.prnewswire.com/releases/version01/getRSS</a>
Method	: GET
API Key required	: YES param name : apikey apikey value : 16-digit hex-decimal key recvd. after registration.
Request Argument	: Query String
Response Output	: If Request Accept Header is only “application/xml” then the response object is in standard RSS XML format. Sample RSS response is available at <a href="http://api.prnewswire.com/samples/getRSS.xml">http://api.prnewswire.com/samples/getRSS.xml</a>
Response Schema	: NA
Accept Query String	: “query” “pageIndex” “pageSize” “startDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 15:26 “endDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 19:23 The max. date range allowed is for 180 days.  “getRecent” ‘true’ or ‘false’ “timeInterval” ‘numeric value in minutes’ Eg: timeInterval=15
Valid Query	: <a href="#">Query Parser Syntax</a>
Default Values	: pageIndex – 1



	:	<p>pageSize – 20                  endDate – Current Date                  startDate – Current Date – 90 Days                  getRecent – false</p>
Sample query URLs	:	<p>http://api.prnewswire.com/releases/version01/getRSS?query={headline:"Gift to Those Staying at Home" AND language:en AND geography:OHIO}&amp;startDate=01/01/2005&amp;endDate=01/01/2011&amp;apikey=xxxxxxxxxxxxxxxx</p>
STATUS CODES	:	<ol style="list-style-type: none"> <li>1. "COAPI-101 ", "INPUT DATA IS INVALID."</li> <li>2. "COAPI-102", "INTERNAL SERVER ERROR"</li> <li>3. "COAPI-103", "WRONG DATE FORMAT"</li> <li>4. "COAPI-105", "INVALID PAGE INDEX OR PAGE SIZE"</li> <li>5. "COAPI-114", "API KEY IS INVALID"</li> <li>6. "COAPI-118", "INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE"</li> <li>7. "COAPI-119", "KEY RATE LIMIT EXCEEDED."</li> <li>8. "COAPI-120", "PAGE SIZE LIMIT EXCEEDED"</li> <li>9. "COAPI-124", "INVALID SEARCH QUERY"</li> <li>10. "COAPI-125", "SOURCE NOT ALLOWED IN THE QUERY"</li> <li>11. "COAPI-126", "DATE RANGE EXCEEDED THE MAXIMUM LIMIT."</li> <li>12. "COAPI-127", "INVALID TIME INTERVAL OR EXCEEDS THE MAX LIMIT."</li> <li>13. "COAPI-100", "SUCCESS"</li> </ol>

## getFullTextRSS Service:

The getFullTextRSS service returns list of releases in a standard RSS format based on filter parameters. The response includes full content of a release unlike the getRSS service, which displays only the abstract. The output will contain the releases that were selected according to the chosen filters. The filters allow for selection by language, industry, topic, geography, stock ticker, based on the tagging accompanying each news release.

There are two additional filter parameters “getRecent” and “timeInterval”. When “getRecent” is set to “true”, API fetches all the matching releases which are distributed within the last ‘n’ minutes from current time, where ‘n’ is the time value given in minutes for the filter parameter “timeInterval”.

<b>GetFullTextRSS</b>	
URL	: <a href="http://api.prnewswire.com/releases/version01/getFullTextRSS">http://api.prnewswire.com/releases/version01/getFullTextRSS</a>
Method	: GET / POST
API Key required	: YES param name : apikey apikey value : 16-digit hex-decimal key recvd. after registration.
Request Argument	: Query String
Response Output	: If Request Accept Header is “application/xml” then the response object is in standard RSS XML format. Sample RSS response is available at <a href="http://api.prnewswire.com/samples/getFullTextRSS.xml">http://api.prnewswire.com/samples/getFullTextRSS.xml</a>
Response Schema	: NA
Accept Query String	: “query” “pageIndex” “pageSize” “startDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 15:26 “endDate” ‘dd/MM/yyyy HH:mm’ Eg: 25/09/2011 19:23 The max. date range allowed is for 180 days.  “getRecent” ‘true’ or ‘false’ “timeInterval” ‘numeric value in minutes’ Eg: timeInterval=15
Valid Query	: <a href="#">Query Parser Syntax</a>
Default Values	: pageIndex – 1 pageSize – 20 endDate – Current Date startDate – Current Date – 90 Days



	:	getRecent – false
Sample query URLs	:	http://api.prnewswire.com/releases/version01/getFullTextRSS?query=(headline:"Gift to Those Staying at Home" AND language:en AND geography:OHIO )&startDate=01/01/2005&endDate=01/01/2011&apikey=xxxx XXXXXXXXXXXXXX
STATUS CODES	:	<ol style="list-style-type: none"> <li>1. "COAPI-101 ", "INPUT DATA IS INVALID."</li> <li>2. "COAPI-102", "INTERNAL SERVER ERROR"</li> <li>3. "COAPI-103", "WRONG DATE FORMAT"</li> <li>4. "COAPI-105", "INVALID PAGE INDEX OR PAGE SIZE"</li> <li>5. "COAPI-114", "API KEY IS INVALID"</li> <li>6. "COAPI-118", "INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE"</li> <li>7. "COAPI-119", "KEY RATE LIMIT EXCEEDED."</li> <li>8. "COAPI-120", "PAGE SIZE LIMIT EXCEEDED"</li> <li>9. "COAPI-124", "INVALID SEARCH QUERY"</li> <li>10. "COAPI-125", "SOURCE NOT ALLOWED IN THE QUERY"</li> <li>11. "COAPI-126", "DATE RANGE EXCEEDED THE MAXIMUM LIMIT."</li> <li>12. "COAPI-127", "INVALID TIME INTERVAL OR EXCEEDS THE MAX LIMIT."</li> <li>13. "COAPI-100", "SUCCESS"</li> </ol>

## Query Parser Syntax:

The PR Newswire news content API uses the Lucene search engine to provide full text search functionality, and allows for the provision of a rich query language through the Query Parser, a lexer which interprets a string into a Lucene Query.

The following describes the syntax as of the lucene version used in the PR Newswire news content API.

## Terms

A query is formed of terms and operators. There are two types of terms: Single Terms and Phrases.

A Single Term is a single word such as "Hi" or "Hello".

A Phrase is a group of words within double quotes such as "hello world".

Boolean operators can be used to combine multiple terms together to form a more complex query.

## Fields

When performing a search you can either specify a field, or use the default field. The field names and default field is implementation specific. You can search any field by typing the field name followed by a colon ":" and then the term you are looking for.

Following are the fields currently supported by PR Newswire news content API services.

Field	Example
content (default)	sun AND Microsoft
headline	headline:"Microsoft raises \$US 40 million for new project"
subheadline	subheadline:"A new initiative from the company"
companies	companies:Microsoft
combinedticker	combinedticker:MSFT
contact	contact:John Smith
language	language:en
geography	geography:"New York"
industry	industry:NET
subject	subject:TDS
dateline	dateline:TORONTO



A sample query parameter can be a Boolean combination of any of the above specified fields.

Example : query = (headline:(Travel OR Tour) AND industry:(TRA OR TRN )

The above query would fetch the releases with Travel or Tour keywords in the headline and Travel or Transportation as industries

## Industries and Subjects

Each PR Newswire release is tagged by one or several industry and subject codes (also called theming codes). The industry code defines the industry that is relevant to the content of the news release, while subject code defines the overall topic. The industry and the subject codes are defined by a closed list of three-letter codes.

The list of codes can be accessed using the `getMasterData` Service

## Geographies

Each PR Newswire release is tagged by one or several geography codes. The geography code defines the region that is relevant to the content of the news release. The regions are always the name of the country except for four countries where a smaller geographical unit is used, as follows:

Canada – by province

(note, do not input CANADA as the only value, as few releases are tagged for Canada. To receive all Canada-relevant release, input as values all of the Canadian provinces and the word CANADA)

China – by four regions: China, Hong Kong, Macao and Taiwan

(note, CHINA refers to mainland China only)

United Kingdom – by region: England, Guernsey, Isle of Man, Jersey, Northern Ireland, Scotland, Wales, United Kingdom. To catch all of the UK, all eight regions including the value United Kingdom should be input.

United States – by state. To catch all of the United States, all 50 states plus District of Columbia and Puerto Rico need to be input.

The list of codes can be accessed using the `getMasterData` Service

## Boolean Operators

Boolean operators allow terms to be combined through logic operators. Lucene supports AND, "+", OR, NOT and "-" as Boolean operators (Note: Boolean operators must be ALL CAPS).

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The OR operator is the default conjunction operator. This means that if there is no Boolean operator between two terms, the OR operator is used. The OR operator links two terms and finds a matching document if either of the terms exist in a document. This is equivalent to a union when using sets. The symbol || can be used in place of the word OR.

To search for documents that contain either "hello world" or just "hello" use the query:

"hello world" hello

or

"hello world" OR hello

## AND

The AND operator matches documents where both terms exist anywhere in the text of a single document. This is equivalent to an intersection when using sets. The symbol && can be used in place of the word AND.

To search for documents that contain "hello world" and "World Green" use the query:

"hello world" AND "World Green"

## NOT

The NOT operator excludes documents that contain the term after NOT. This is equivalent to a difference when using sets. The symbol ! can be used in place of the word NOT.

To search for documents that contain "hello world" but not "World Green" use the query:

"hello world" NOT "World Green"

Note: The NOT operator cannot be used with just one term. For example, the following search will return no results:

NOT "hello world"

## Grouping

Parentheses are used to group clauses to form sub queries and should be used to assure the accuracy of the boolean logic when formulating a complex query.

To search for either "green" or "blue" and "color" use the query:

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(green OR blue) AND color



This eliminates any confusion and makes sure you that color must exist and either term green or blue may exist.

## Key Rate Limit

Every API service is protected by an API key. There is a limit on the maximum number of times (or attempts) that a service is accessed /consumed. Once this limit is reached, the API will respond with a COAPI-119 “KEY RATE LIMIT EXCEEDED” error code.

In general each API has a key rate limit of 5,000 calls per day.

## ContentAPI Error Codes

To get the complete list of the Content API error codes use the following link  
<http://api.prnewswire.com/releases/getErrorCodes>

Following is a snapshot of the list of the error codes.

<b>COAPI-100</b>	SUCCESS
<b>Cause :</b> The service returned a valid success response.	
<b>Action :</b> Consume the response.	
<b>COAPI-101</b>	INPUT DATA IS INVALID.
<b>Cause :</b> One of the input parameters passed to the service has failed due to an incorrect type or value.	
<b>Action :</b> Re-check all the input parameters, and pass the expected type/value.	
<b>COAPI-102</b>	INTERNAL SERVER ERROR
<b>Cause :</b> The service has failed due to an internal server issue. This could be probably due to the non availability of a resource.	
<b>Action :</b> Generally, a retry after a pause should solve the problem.	
<b>COAPI-103</b>	WRONG DATE/TIME FORMAT
<b>Cause :</b> The input date/time passed is not in the expected format.	
<b>Action :</b> Refer to the documentation to ascertain the exact expected date/time pattern.	
<b>COAPI-104</b>	INVALID SORT OPTION
<b>Cause :</b> The only possible options for sort are date or score. The input value might be at variance from these.	
<b>Action :</b> Please pass only the allowed (date and score) values for sort option.	
<b>COAPI-105</b>	INVALID PAGE INDEX OR PAGE SIZE

<b>Cause :</b> Page index and page size cannot be less than zero, Additionally the page size has max limit. Please refer to the documentation for further details.	
<b>Action :</b> Page index and page size should be non-negative and comply the max limits.	
<b>COAPI-106</b>	FIRST NAME IS BLANK
<b>Cause :</b> The input first name value has not been provided.	
<b>Action :</b> Please pass a valid first name.	
<b>COAPI-107</b>	LAST NAME IS BLANK
<b>Cause :</b> The input last name value has not been provided.	
<b>Action :</b> Please pass a valid last name.	
<b>COAPI-108</b>	EMAIL IS NOT VALID
<b>Cause :</b> The value passed is not a valid email	
<b>Action :</b> Please pass a valid email value.	
<b>COAPI-109</b>	EMAIL AND CONFIRM EMAIL DO NOT MATCH
<b>Cause :</b> The email and confirm email values do not match.	
<b>Action :</b> Make sure both the values are identical and the case as this value is case sensitive.	
<b>COAPI-110</b>	ORGANIZATION NAME IS BLANK
<b>Cause :</b> The value of the Organization name field is blank or null	
<b>Action :</b> Please pass a valid value for organization name.	
<b>COAPI-111</b>	NO SERVICE IS SELECTED

<b>Cause :</b> No services are selected in the registration.	
<b>Action :</b> At least one service must be selected.	
<b>COAPI-112</b>	INVALID RECAPTCHA
<b>Cause :</b> The Captcha code and the response entered do not match	
<b>Action :</b> Please repeat Captcha response.	
<b>COAPI-114</b>	API KEY IS INVALID
<b>Cause :</b> The API key passed is either blank, null or does not exist in the database.	
<b>Action :</b> Please send a valid API key in the correct case as this value is case sensitive.	
<b>COAPI-115</b>	EMAIL ALREADY EXISTS
<b>Cause :</b> The email ID passed already exists in the database.	
<b>Action :</b> Please pass a unique email address.	
<b>COAPI-116</b>	EMAIL ID IS BLANK
<b>Cause :</b> The email ID passed is null or blank	
<b>Action :</b> Please pass a valid email address.	
<b>COAPI-117</b>	CONFIRM EMAIL ID IS BLANK
<b>Cause :</b> The email ID passed for confirm email address is blank or null	
<b>Action :</b> Please pass a valid email address for confirm email address field.	
<b>COAPI-118</b>	INSUFFICIENT PRIVILEGES TO ACCESS THIS SERVICE

<b>Cause :</b> The API key passed does not have permission to access this service.	
<b>Action :</b> Please contact PR Newswire API support to confirm access privileges for your given API key.	
<b>COAPI-119</b>	KEY RATE LIMIT EXCEEDED.
<b>Cause :</b> The maximum limit of API service usage has reached.	
<b>Action :</b> Please contact PR Newswire API support to increase or alter the max limit assigned for your API key.	
<b>COAPI-120</b>	PAGE SIZE LIMIT EXCEEDED
<b>Cause :</b> The maximum pagesize limit has exceeded.	
<b>Action :</b> Please pass a valid pagesize.	
<b>COAPI-121</b>	ARTICLE ID IS INVALID
<b>Cause :</b> The ARTICLE ID passed is either blank, null or does not exist in the database.	
<b>Action :</b> Please pass a valid ARTICLE ID.	
<b>COAPI-122</b>	NO DATA FOUND
<b>Cause :</b> There are no matching records for the given input	
<b>Action :</b> Pass a valid input and validate the result.	
<b>COAPI-123</b>	INVALID ADMIN KEY
<b>Cause :</b> The admin key passed is invalid.	
<b>Action :</b> Pass a valid admin key.	
<b>COAPI-124</b>	INVALID SEARCH QUERY
<b>Cause :</b> The search query is in incorrect format.	

<b>Action :</b> Enter the query in correct format. Recheck for all possible typos, including missing parentheses, incorrect spellings, spaces etc. URL encode the special symbols in the input request.	
<b>COAPI-125</b>	SOURCE NOT ALLOWED IN THE QUERY
<b>Cause :</b> The query contains the source parameter.	
<b>Action :</b> Remove source from the query. You cannot search based on SOURCE. Please contact Content API Admin to add/remove the source(s) to/from your search query.	
<b>COAPI-126</b>	DATE RANGE EXCEEDED THE MAXIMUM LIMIT
<b>Cause :</b> The query contains date range greater than max. limit.	
<b>Action :</b> Select a lesser date range.	
<b>COAPI-127</b>	INVALID TIME INTERVAL OR EXCEEDS THE MAX LIMIT
<b>Cause :</b> The time interval is either invalid or exceeds the maximum limit	
<b>Action :</b> Select a proper time limit. It should be a positive integer within the max range as specified in the documentation.	