Reuters Media Express Quick Start Guide

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This is a short guide to get you started, ideal for Hack Zurich :)

You will find the full documentation here: <https://s3.amazonaws.com/reuters.connect/Reuters_Connect_Web_Services_Developer_Guide.pdf>

The examples here are to get you started, please note that all the examples use a token that for all intents will be expired. Please add a valid token as described below.

# 

# 

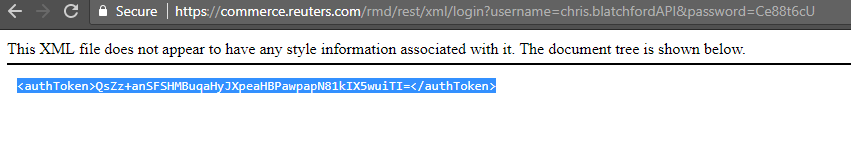
# Creating a token

Open the following URL: <https://commerce.reuters.com/rmd/rest/xml/login?username=HackZurichAPI&password=8XtQb447>

In a browser window

You will receive the following text:

<authToken>**0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=**</authToken>



The text inside the tags is your token

Please add this to the below after the “token=” part, i.e.

[http://rmb.reuters.com/rmd/rest/xml/channels?&token=**0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=**](http://rmb.reuters.com/rmd/rest/xml/channels?&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=)

There is also a small python demo deployed to our Git. It runs through the items and opens thumbnails from the links provided.

<https://git.sami.int.thomsonreuters.com/Keech.Achara/Media-Express_HZ2017>

The repo is private, please request access if you need more details.

# Methods

## Common

* Channels
  + Obtains a list of the channels to which you are subscribed and additional information about a channel including the alias and channel category
* Items
  + Obtains a list of news items and some summary information about each item.
* Item
  + Retrieves a particular news item as a NewsML-G2 document.
* Packages
  + Retrieves the package (NEP) for an Online Report channel, together with links to the components of the package (i.e. text, picture and video items).
* Package
  + Retrieves the summary information together with the multimedia components of specific package(s) on a given channel.
* Search
  + Obtains a list of news items which match the search criteria you provide.
* Olr
  + Retrieves the most recent Top 10 list (SNEP) for each of the online report channels to which you are subscribed.

## Less common

* Fields
  + Retrieves all the data elements that will be returned for items, search, package and packages methods.
* FieldGroups
  + Creates a group of data elements for use in other methods. The user created group can then be passed as a value to the ‘fieldsRef’ parameter for items, search, package and packages methods.
* DefaultFieldGroups
  + Sets a particular field group as the default group used for all relevant method responses.
* ItemEntities
  + Retrieves the entities and metadata associated with a specified news item, based on the Calais extraction engine.

# 

# Method examples

## Channels

### Summary

The channels method is used to obtain the list of the channels you are subscribed to and get additional information about a channel including the alias and channel category. The channel alias and channel category can be used to filter results in the items and olr calls.

#### Examples

**Normal channel list:**

**Example rest command:**

<http://rmb.reuters.com/rmd/rest/xml/channels?&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

<http://rmb.reuters.com/rmd/rest/xml/channels?&token=><token>

**Result excerpt:**

<availableChannels>

<channelInformation>

<description>US Online Report World News</description>

<alias>BEQ259</alias>

<lastUpdate>2017-09-03T15:10:27Z</lastUpdate>

<category description="Online Reports" id="OLR">

<category description="USA" id="OLR:USA"/>

</category>

<availableContentProfiles>

<profile>SNI-Picture</profile>

<profile>NEP-External</profile>

<profile>SNI-Text</profile>

<profile>SNEP-External</profile>

</availableContentProfiles>

</channelInformation>

………..

<status code="10"/>

</availableChannels>

**With channel category (Online Video):**

**Example rest command:**

<http://rmb.reuters.com/rmd/rest/xml/channels?channelCategory=OLV&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

**Result excerpt:**

<availableChannels>

<channelInformation>

<description>BVO</description>

<alias>CLE548</alias>

<lastUpdate>2017-09-01T21:19:06Z</lastUpdate>

<category description="Online Video" id="OLV"/>

<availableContentProfiles>

<profile>NEP-External\_ANP</profile>

</availableContentProfiles>

</channelInformation>

<channelInformation>

<description>EVO</description>

<alias>Iwu647</alias>

<lastUpdate>2017-09-02T19:28:20Z</lastUpdate>

<category description="Online Video" id="OLV"/>

<availableContentProfiles>

<profile>NEP-External\_ANP</profile>

</availableContentProfiles>

</channelInformation>

<channelInformation>

<description>NVO</description>

<alias>QTZ240</alias>

<lastUpdate>2017-09-03T14:30:47Z</lastUpdate>

<category description="Online Video" id="OLV"/>

<availableContentProfiles>

<profile>NEP-External\_ANP</profile>

</availableContentProfiles>

</channelInformation>

<status code="10"/>

</availableChannels>

**With channel alias known (BEQ259):**

**Example rest command:**

<http://rmb.reuters.com/rmd/rest/xml/channels?channel=BEQ259&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

**Result excerpt:**

<availableChannels>

<channelInformation>

**<description>US Online Report World News</description>**

**<alias>BEQ259</alias>**

<lastUpdate>2017-09-03T15:17:55Z</lastUpdate>

<category description="Online Reports" id="OLR">

<category description="USA" id="OLR:USA"/>

</category>

<availableContentProfiles>

<profile>SNI-Picture</profile>

<profile>NEP-External</profile>

<profile>SNI-Text</profile>

<profile>SNEP-External</profile>

</availableContentProfiles>

</channelInformation>

<status code="10"/>

</availableChannels>

## Items

### Summary

The items method is used to obtain a list of news items.

Default returned items limit = 300

**Examples**

**Get items from channel BEQ259 (alias from the channel):**

<http://rmb.reuters.com/rmd/rest/xml/items?channel=BEQ259&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

Results Excerpt:

<results>

<result>

<id>tag:reuters.com,2017:newsml\_KBE99T04M:206902</id>

<guid>tag:reuters.com,2017:newsml\_KBE99T04M</guid>

<version>206902</version>

<dateCreated>2017-09-03T15:17:55Z</dateCreated>

<slug>OUSWDM-LINK</slug>

<source>Thomson Reuters</source>

<language>en</language>

<headline>OUSWDM Link List</headline>

<mediaType>C</mediaType>

<priority>4</priority>

<channel>BEQ259</channel>

</result>

…

</results>

**Get items from channel BEQ259 (alias from the channel) from the last 1D:**

<http://rmb.reuters.com/rmd/rest/xml/items?channel=BEQ259&maxAge=1D&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

<results>

<result>

<id>tag:reuters.com,2017:newsml\_KBE99T04M:206902</id>

<guid>tag:reuters.com,2017:newsml\_KBE99T04M</guid>

<version>206902</version>

<dateCreated>2017-09-03T15:17:55Z</dateCreated>

<slug>OUSWDM-LINK</slug>

<source>Thomson Reuters</source>

<language>en</language>

<headline>OUSWDM Link List</headline>

<mediaType>C</mediaType>

<priority>4</priority>

<channel>BEQ259</channel>

</result>

…

</results>

**Get items from channel BEQ259 that are picture media type (mediaType=P):**

<http://rmb.reuters.com/rmd/rest/xml/items?channel=BEQ259&mediaType=P&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

<results>

<result>

<id>tag:reuters.com,2017:newsml\_LYNXNPED820FR:3</id>

<guid>tag:reuters.com,2017:newsml\_LYNXNPED820FR</guid>

<version>3</version>

<dateCreated>2017-09-03T15:10:22Z</dateCreated>

<slug>NORTHKOREA-MISSILES</slug>

<author>TORU HANAI</author>

<source>Thomson Reuters</source>

<language>en</language>

<headline>

A man walks past a street monitor showing Japan's Prime Minister Shinzo Abe (L) and U.S. President Donald Trump in a news report about their telephone conference on North Korea's threat, in Tokyo

</headline>

<mediaType>P</mediaType>

<priority>4</priority>

<geography>JPN</geography>

**<previewUrl>**

**http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_LYNXNPED820FR:3/tag:reuters.com,2017:binary\_LYNXNPED820FR-VIEWIMAGE**

**</previewUrl>**

<size>67638</size>

<dimensions>800x442</dimensions>

<channel>BEQ259</channel>

</result>

…..

</results>

Please note in the above, you know have a nifty image url you can use to display a thumbnail.

## Item

### Summary

The item method is used to retrieve a particular news item as a NewsMLG2 document. To invoke this method, you must know the item ID of the news item you wish to retrieve. You may use the items or olr methods to obtain the desired item ID.

**Retrieve item id “**[**tag:reuters.com,2017:newsml\_OV6X1S2GB:1**](http://rmb.reuters.com/rmd/rest/xml/item?id=tag:reuters.com,2017:newsml_OV6X1S2GB:1&token=QsZz+anSFSHXw0FRsQd0tVPcwG9bMd+381kIX5wuiTI=)**”:**

**Command:**

<http://rmb.reuters.com/rmd/rest/xml/item?id=tag:reuters.com,2017:newsml_OV6X1S2GB:1&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

**Result Excerpt:**

<newsMessage xmlns="http://iptc.org/std/nar/2006-10-01/" xmlns:rtr="http://www.reuters.com/ns/2003/08/content" xmlns:x="http://www.w3.org/1999/xhtml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<header>

<sent>2017-09-03T12:46:39.000Z</sent>

<sender>reuters.com</sender>

<transmitId>tag:reuters.com,2017:newsml\_OV6X1S2GB:1</transmitId>

<priority>4</priority>

<destination>NVO</destination>

<channel>VID</channel>

</header>

.....

</newsMessage>

**As a further note text articles can be found within these, as with the news item above:**

<contentSet>

<inlineXML contenttype="application/xhtml+xml" wordcount="286">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title />

</head>

<body>

<p>It's the largest mass evacuation in Germany since the Second World War.</p>

<p>Thousands of residents in Frankfurt evacuating their homes early on Sunday (3 September) ahead of the planned defusing of a massive World War Two bomb discovered on a building site in the German financial capital.</p>

<p>A steady flow of people filed into a temporary center at Frankfurt's trade fair site ahead of the disposal of the bomb.</p>

…………….

</body>

</html>

</inlineXML>

</contentSet>

**Also other media types can be found, with the previous news item:**

<contentSet>

<remoteContent audiobitrate="128000" audiosamplerate="44100" contenttype="video/mpeg" duration="95" format="fmt:H264/mpeg" generated="2017-09-03T12:46:39.000Z" height="432" href="**http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_OV6X1S2GB:1/tag:reuters.com,2017:binary\_LOV000J8RSH11-STREAM:2000:16X9:MP4**" rendition="rend:stream:2000:16x9:mp4" residref="tag:reuters.com,2017:binary\_LOV000J8RSH11-STREAM:2000:16X9:MP4" size="14327994" version="1" videoaspectratio="16:9" videoavgbitrate="1872000" width="768">

<rtr:altId type="idType:fileBIN">2017-09-03T124639Z\_1\_LOV000J8RSH11\_RTRMADV\_STREAM-2000-16X9-MP4\_GERMANY-FRANKFURT-EVACUATION.MP4</rtr:altId>

<rtr:altLoc role="locRole:auth" type="locType:http">http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_OV6X1S2GB:1/tag:reuters.com,2017:binary\_LOV000J8RSH11-STREAM:2000:16X9:MP4</rtr:altLoc>

</remoteContent>

....

</contentSet>

N.B. The link to the image is above (you need the token to access it [**http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_OV6X1S2GB:1/tag:reuters.com,2017:binary\_LOV000J8RSH11-STREAM:2000:16X9:MP4?token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=**](http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml_OV6X1S2GB:1/tag:reuters.com,2017:binary_LOV000J8RSH11-STREAM:2000:16X9:MP4?token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=)).

## Packages

### Summary

packages method is used to retrieve the NEPs in an Online Report. It can be used to retrieve either the top 10 NEPs from the latest SNEP on a channel, maintained in the same order as chosen by the editor or all the available NEPs from a channel, sorted chronologically.

You are required to provide a channel.

#### Examples

**Get packages for channel BEQ259:**

**Command:**

<http://rmb.reuters.com/rmd/rest/xml/packages?channel=BEQ259&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

**Excerpt:**

<results>

<result>

<id>**tag:reuters.com,2017:newsml\_LYNXNPED820FR:3**</id>

<guid>tag:reuters.com,2017:newsml\_LYNXNPED820FR</guid>

<version>3</version>

<dateCreated>2017-09-03T15:10:22Z</dateCreated>

<slug>NORTHKOREA-MISSILES</slug>

<author>TORU HANAI</author>

<source>Thomson Reuters</source>

<language>en</language>

<headline>

A man walks past a street monitor showing Japan's Prime Minister Shinzo Abe (L) and U.S. President Donald Trump in a news report about their telephone conference on North Korea's threat, in Tokyo

</headline>

<mediaType>P</mediaType>

<priority>4</priority>

<geography>JPN</geography>

<previewUrl>

http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_LYNXNPED820FR:3/tag:reuters.com,2017:binary\_LYNXNPED820FR-VIEWIMAGE

</previewUrl>

<size>67638</size>

<dimensions>800x442</dimensions>

<channel>BEQ259</channel>

</result>

…..

</results>

The bold shows the package ID, which you will use when using the package method.

<http://rmb.reuters.com/rmd/rest/xml/package?id=tag:reuters.com,2017:newsml_KCN1BD0VV:53&channel=BEQ259&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=>

## Search:

### Summary

The search method is used to obtain a list of news items which match the search criteria you provide. This method provides more advanced filtering options than those offered with the items method as well as full text search capabilities.

Can take up to 51 query terms.

Query Sections:

headline: used to specify the required/optional keywords that must/may be contained within the headline of the news items that are retrieved.

slug: used to specify the required/optional keywords that must/may be contained within the slug of the news items that are retrieved. body: used to specify the required/optional keywords that must/may be contained within the body of the news items that are retrieved.

caption: used to specify the keywords contained within the caption of the news items that are retrieved. Caption is only valid for Picture and Graphic content.

id: used to specify one of the following news item identifiers by which to retrieve news items. Valid news item identifiers are: id, guid, USN, OTR, IID, SID and editNumber. topic: used to specify the topic codes (i.e., NewsML News2000 subject codes) associated with the news items to be retrieved.

signal: used to specify the signal codes (i.e., NewsML signal codes) associated with the news items to be retrieved.

ric: used to specify the RICs by which to retrieve the news items. A RIC (Reuters Instrument Code) is a ticker-like code used by Thomson Reuters to identify financial instruments and indices.

Pre-defined groupings:

fulltext: used to specify the keywords that may be contained within one or more of the following fields of the news items that are retrieved: body, headline, caption. The following are commonly used groups of fields provided to ease the searching across multiple fields.

main: used to specify the keywords that may be contained within one or more of the following fields of the news items that are retrieved: body, headline, caption, id, topic, signal and slug.

#### Examples

**Search for items containing the word baby that have videos:**

**Command:**

[http://rmb.reuters.com/rmd/rest/xml/search?q=main:(baby)&maxAge=50D&mediaType=V&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=](http://rmb.reuters.com/rmd/rest/xml/search?q=main:(baby)&maxAge=50D&mediaType=V&token=QsZz+anSFSHXw0FRsQd0tVPcwG9bMd+381kIX5wuiTI=)

**You retrieve a result set such as:**

<results>

<result>

<id>tag:reuters.com,2017:newsml\_OV6X1S2GB:1</id>

<guid>tag:reuters.com,2017:newsml\_OV6X1S2GB</guid>

<version>1</version>

<dateCreated>2017-09-03T12:46:42Z</dateCreated>

<slug>GERMANY-FRANKFURT/EVACUATION</slug>

<author>Reuters, SEP 03</author>

<source>Thomson Reuters</source>

<language>en</language>

<headline>Frankfurt evacuates thousands for bomb defusal</headline>

<mediaType>V</mediaType>

<priority>4</priority>

<geography>DE</geography>

<previewUrl>

http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_OV6X1S2GB:1/tag:reuters.com,2017:binary\_LOP000J8RSH11-VIEWIMAGE:512X288

</previewUrl>

<duration>95</duration>

<channel>QTZ240</channel>

<editNumber>7456RR</editNumber>

<indexTimestamp>2017-09-03T12:53:14.626Z</indexTimestamp>

<usageTerms>

Broadcasters: NONE Digital: NONE . For Reuters customers only.

</usageTerms>

<contributorId>RTRS</contributorId>

<contributorName>Reuters</contributorName>

<destination>NVO</destination>

</result>

….

</results>

**Find all stories contain the words League and Legends over the past 50 days**

**Command**:

[http://rmb.reuters.com/rmd/rest/xml/search?q=main:(legends%20AND%20league)&maxAge=50D&mediaType=V&mediaType=P&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=](http://rmb.reuters.com/rmd/rest/xml/search?q=main:(legends%20AND%20league)&maxAge=50D&mediaType=V&mediaType=P&token=QsZz+anSFSHXw0FRsQd0tVPcwG9bMd+381kIX5wuiTI=)

**Result Excerpt**

<results>

<result>

<id>

tag:reuters.com,2017:newsml\_RC1AB1A0C960:1216807783

</id>

<guid>tag:reuters.com,2017:newsml\_RC1AB1A0C960</guid>

<version>1216807783</version>

<dateCreated>2017-08-25T15:24:37Z</dateCreated>

<slug>GERMANY-GAMESCOM/</slug>

<author>WOLFGANG RATTAY</author>

<source>Thomson Reuters</source>

<language>en</language>

<headline>

Cosplayers during the public days of the Gamescom in Cologne

</headline>

<mediaType>P</mediaType>

<priority>4</priority>

<geography>DEU</geography>

<previewUrl>

http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_RC1AB1A0C960:1216807783/tag:reuters.com,2017:binary\_RC1AB1A0C960-VIEWIMAGE

</previewUrl>

<size>1114086</size>

<dimensions>3500x2334</dimensions>

<channel>VEi502</channel>

<indexTimestamp>2017-08-25T15:24:59.604Z</indexTimestamp>

<contributorId>RTRS</contributorId>

<contributorName>REUTERS</contributorName>

<destination>CAN</destination>

<destination>USA</destination>

<destination>AONL</destination>

<destination>ASIA</destination>

<destination>APC</destination>

<destination>ENTP</destination>

<destination>RONL</destination>

<destination>SAM</destination>

</result>

….

</results>

**Find all stories contain the words Microsoft OR Samsung over the past 100 days**

**Command**:

[http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)&maxAge=50D&mediaType=V&mediaType=P&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=](http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)&maxAge=50D&mediaType=V&mediaType=P&token=QsZz+anSFSHXw0FRsQd0tVPcwG9bMd+381kIX5wuiTI=)

**Result Excerpt:**

<results>

<result>

<id>tag:reuters.com,2017:newsml\_RC187034D590:118545512</id>

<guid>tag:reuters.com,2017:newsml\_RC187034D590</guid>

<version>118545512</version>

<dateCreated>2017-09-01T18:34:47Z</dateCreated>

<slug>MICROSOFT-WINDOWS/</slug>

<author>Beck Diefenbach</author>

<source>Thomson Reuters</source>

<language>en</language>

<headline>

FILE PHOTO: Terry Myerson, Microsoft's Executive Vice President of the Windows and Devices Group, delivers the keynote address during the Microsoft Build 2016 Developer Conference in San Francisco

</headline>

<mediaType>P</mediaType>

<priority>4</priority>

<geography>USA</geography>

<previewUrl>

http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_RC187034D590:118545512/tag:reuters.com,2017:binary\_RC187034D590-VIEWIMAGE

</previewUrl>

<size>932935</size>

<dimensions>3500x2333</dimensions>

<channel>VEi502</channel>

<indexTimestamp>2017-09-01T18:35:04.759Z</indexTimestamp>

<usageTerms>NARCH/NARCH30</usageTerms>

<contributorId>RTRS</contributorId>

<contributorName>REUTERS</contributorName>

<destination>CAN</destination>

<destination>USA</destination>

<destination>AONL</destination>

<destination>ASIA</destination>

<destination>APC</destination>

<destination>RONL</destination>

<destination>SAM</destination>

</result>

…...

</results>

**Same as above, but excluding the word San from the main, which obviously the result shown above contains:**

**Command**

[http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)||-main:San\*&maxAge=50D&mediaType=V&mediaType=P&token=0Uar2fCpykW46pYCf19QRGgTQSt6pmBc81kIX5wuiTI=](http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)%7C%7C-main:San*&maxAge=50D&mediaType=V&mediaType=P&token=QsZz+anSFSHXw0FRsQd0tVPcwG9bMd+381kIX5wuiTI=)

**Result Excerpt**

<results>

<result>

<id>

tag:reuters.com,2017:newsml\_RC17E2715780:1785829099

</id>

<guid>tag:reuters.com,2017:newsml\_RC17E2715780</guid>

<version>1785829099</version>

<dateCreated>2017-09-01T18:28:23Z</dateCreated>

<slug>MICROSOFT-WINDOWS/</slug>

<author>Lucas Jackson</author>

<source>Thomson Reuters</source>

<language>en</language>

<headline>

FILE PHOTO: Taj Reid, Senior Designer at Microsoft wears a HoloLens VR headset at Microsoft's Windows 10 "Creators Update" live event in New York

</headline>

<mediaType>P</mediaType>

<priority>4</priority>

<geography>USA</geography>

<previewUrl>

http://content.reuters.com/auth-server/content/tag:reuters.com,2017:newsml\_RC17E2715780:1785829099/tag:reuters.com,2017:binary\_RC17E2715780-VIEWIMAGE

</previewUrl>

<size>1459552</size>

<dimensions>3500x2446</dimensions>

<channel>VEi502</channel>

<indexTimestamp>2017-09-01T18:29:44.556Z</indexTimestamp>

<usageTerms>NARCH/NARCH30</usageTerms>

<contributorId>RTRS</contributorId>

<contributorName>REUTERS</contributorName>

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<destination>USA</destination>

<destination>AONL</destination>

<destination>ASIA</destination>

<destination>APC</destination>

<destination>RONL</destination>

<destination>SAM</destination>

</result>

…

</results>

# Appendix

## Common Parameters

### maxAge

This parameter is used to provide a date limit relative to the current date and time. This filter will be translated into a date range using the current time as the starting point (**Example: maxAge=2D**). This parameter should be specified in the format maxAge= can be one of the following:

* s – for seconds
* m – for minutes
* h – for hours
* D – for days

### Channel

This parameter is used to specify the channel alias for which you wish to retrieve the news items. To obtain the alias for a given channel, use the channels method. If multiple channel aliases are specified, each should be specified as a separate query string parameter (Example: **channel=ABC&channel=DEF**)

### id

This parameter is used to specify the ID of the news item / package / etc. that you wish to retrieve. This will be the id or guid that was returned by the items or olr methods. The id uniquely identifies a particular revision of the news item (Example: **id= tag:reuters.com,0000:newsml\_GM1E6330D4201:407851074**).

### dateRange

This parameter is used to specify the date range for the news items to be retrieved. The date range should be specified as - (For example, **dateRange=2017.08.01-2017.08.04** for news items from 00:00 on Aug 1 to 00:00 on Aug 4th). If a start date is specified without an end date, the current time will be considered as the end date.

### limit

This parameter is used to designate the maximum number of news items to be retrieved (Example: **limit=300**).

### mediaType

This parameter is used to specify the media type for the news items to be retrieved. Valid media types are: T (text), P (pictures), V (video), G (graphics) and C (composite i.e. a package of content containing references to other items). If multiple media types are specified, each should be specified in a separate query string parameter. Example: **mediaType=T&mediaType=P**

### Language

This parameter is used to specify the primary language associated with the news items to be retrieved. You must use a 2-letter code to specify the language. If multiple languages are specified, each must be separated by the OR operator. Example: **language=en** OR fr Refer to Appendix 1 for a list of valid 2-letter language codes

# Troubleshooting

## Throttling of Requests

To ensure a high level of service for all customers, requests to the Reuters Connect Web Services are limited. Method requests are limited to 1k requests per minute. Requests to downloaded binary assets are counted separately and also limited to 1k requests per minute. If the number of requests exceeds this limit, you will get the following error message:

#### Response

<status code="30">

<error code="2210">Number of requests in a given time period exceeded user limit</error>

</status>

## Token Related

The authentication token is used to identify you to the web services and it is valid for 24 hours. When your authentication token is expired, you will get the following message

### Token Expiry

#### Request

[http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)%7C%7C-main:San\*&maxAge=50D&mediaType=V&mediaType=P&token=](http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)%7C%7C-main:San*&maxAge=50D&mediaType=V&mediaType=P&token=)**<Token received over 24 hours ago>**

#### Response

<status code="30">

<error code="3002">Expired authentication token</error>

</status>

### Invalid Authentication Token

#### Request

[http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)%7C%7C-main:San\*&maxAge=50D&mediaType=V&mediaType=P&token=](http://rmb.reuters.com/rmd/rest/xml/search?q=main:(microsoft%20OR%20samsung)%7C%7C-main:San*&maxAge=50D&mediaType=V&mediaType=P&token=)**<Invalid token>**

#### Response

<status code="30">

<error code="3003">Invalid authentication token</error>

</status>