Travel Alberta – API Reference Guide

The objective of this document is to instruct on how to integrate with Travel Alberta’s Consumer API. The Travel Alberta’s Consumer API provides an endpoint to query ATIS published content.

# Revisions

|  |  |  |
| --- | --- | --- |
| **Date** | **Version Number** | **Document Changes** |
| 8/29/2017 | 1.0 | Initial Version |
| 10/2/2017 | 1.01 | Pre-release with API management key instructions, without the production API management URL, conversion of POSTs to GETs |
| 10/10/2017 | 1.02 | Updated blurb with regards to radial search parameters |
| 11/15/2017 | 1.03 | Added missing Category Types call |
| 12/8/2017 | 1.04 | Update of caching instructions and call definition instructions. |
| 12/12/2017 | 1.05 | Addition of multiple Id search operations for Events, Articles and Offers. |
| 12/14/2017 | 1.06 | Parameter for Offer, Event, Article and Listing Keys based search changed to Ids from Id. |
| 12/19/2017 | 1.06 | Documentation Updates.   * Added header formatted numbering for better readability and organizing of content. * Added Section on CORS * Created Introduction * Described Returned data into Facets and ATIS Content * Added better example to keys queries |

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# Introduction

This document describes the Travel Alberta API which allows developers to query ATIS Content managed by the ATIS Platform. The Travel Alberta API is a restful API that supports querying and access various ATIS content.

## Developer Portal

Once developers are signed up, they will be able to access the ATIS Content API Developer portal. In the portal, developers can discover and learn about the ATIS API and manage their subscription keys. It provides information on the operations supported by the API, and will allow developers to test the endpoints directly and examine the results.

## API Format

All call definitions are proceeded by hostname and version route that can be found in the ATIS Content API Developer portal, once you are subscribed. The format of the Uri will look like the following.

http://<hostname>/{version route}/{ operations}

{operations} are described in the section [API Operations](#_API_Operations) of this document and can be directly accessed in the ATIS Content API Developer portal.

## Authentication

In order to access the API, you will need a subscription key to authenticate. This subscription key can be obtained in the ATIS Content API Developer portal.

In each request include the header “Ocp-Apim-Subscription-Key” with your subscription key.

## Web Applications, CORs and Domain White listing.

Currently the API supports Cross Origin Request Sharing (CORs) protocol. This means that web applications may not be able to access the API via client side ajax calls within a browser, until those domains are whitelisted with Travel Alberta.

To allow your web application to make cross origin requests to our API please contact Travel Alberta, and submit a list of domains that applies to your web application and we will white list them with our API.

## Information Returned by the API

The Travel Alberta API manages two categories of data, Facets and ATIS content.

### Facets

Facet information is the building blocks of the ATIS taxonomy. This describes the ATIS domain concepts and classification of the ATIS Content. This is used to support many of the query operations in the API. Below is a list of facet information available.

* Amenities – A set of defined amenities that may be available to Listings and Events.
* Activities – A set of defined activities that may be associated to various Listings and Events.
* Categories and Category Types – Categories are broad classifications of the types of listings and events available e.g. Accommodation. Under each category, there are more granularly defined subtypes that are assigned to listings and events. e.g. For Accommodation there are subtypes, hotel, motel or inn.
* Localization – Supported language codes.
* Supported Markets – ATIS Content is categorized to different markets, depending on the market there is translated content based on the primary language associated with that content item. Majority of the content can be found in the primary market of Canada, which is “ca”.

The facet information returned by the facet endpoint can be used to construct various searches by facet id on ATIS Content.

Facet information is not updated very often, and it is not published, unpublished, or expired like ATIS Content.

### ATIS Content

ATIS Content defines the set of tourism content managed by ATIS. This content contains references to the facet definitions for easier searching and categorizing through the API. ATIS Content that is available are:

* Listings –ATIS listing.

Events – Event listing information. Will expire from the platform when all event dates are valid. Can be optionally tied to a listing. Events are always classified in the category “Event”

* Offers – Products, packages and deals available to various listings.
* Articles – Article content generated by various authors. Can be associated with various listings.

ATIS Content is fairly dynamic, content can be published, updated, unpublished, and expired at any time. Listings, Events, and Offers also contain searchable geo points and can be queried using radial and polygon searches.

## Caching

Application caching can improve your application performance. Below is some guidelines and recommendations if you decide to implement your own caching strategy.

### Facet Data

It is recommended clients should cache facet data as much as possible for improving performance and limit their data-quota footprint. Facet data is updated very infrequently and clients can confidently cache anywhere from one day to a week.

### ATIS Content

ATIS Content can change frequently. To avoid stale data, caching of this content should be limited to a day at maximum.

# API Operations

## Localization

The following endpoints returns information around supported markets and languages. **Majority of the API operations are reliant on a valid market key used in the URI route. If supporting more than the Canadian Market (market key is “ca”) market, please use the** [**Market operation**](#_Markets) **to get the list of valid markets supported by the Travel Alberta API.**

### Languages

Description: Return a list of all available languages

Call definition: [/localization/languages](http://api.travelalberta.com/localization/languages)

HTTP METHOD: GET

Sample Call: [/localization/languages](http://api.travelalberta.com/localization/languages)

Sample Response:

[

{

"key": "en-CA",

"title": “English - Canada”

},

{

"key": "en-US",

"title": English - US

}

]

### Markets

Return a list of all available markets.

Call definition: [/localization/markets](http://api.travelalberta.com/localization/markets)

HTTP METHOD: GET

Sample Call: [/localization/markets](http://api.travelalberta.com/localization/markets)

Sample Response:

[

{

"key": "ca",

"title": “Canada”

},

{

"key": "us",

"title": “United States”

}

]

## Facets

The following are operations around querying faceted data. [Market](#_Markets) key is a required parameter for all facet operations.

### Types

Description : Return a list of all facets

Call definition: [/{market}/facets/facettypes](http://api.travelalberta.com/%7bmarket%7d/facets/facettypes)

HTTP METHOD: GET

Sample Call: [/ca/facets/facettypes](http://api.travelalberta.com/ca/facets/facettypes)

Sample Response:

*[*

*"Activities",*

*"Amenities",*

*"Category",*

*"Type"*

*]*

### Activities

Description: Return a list of all activities

Call definition: [/{market}/facets/activities](http://api.travelalberta.com/%7bmarket%7d/facets/activities)

HTTP METHOD: GET

Sample Call: [/ca/facets/activities](http://api.travelalberta.com/ca/facets/activities)

Sample Response:

*[*

*{*

*"key": "1",*

*"value": "Indigenous"*

*},*

*{*

*"key": "10",*

*"value": "Culinary"*

*}*

*]*

### Amenities

Description: Return a list of all amenities

Call definition: [/{market}/facets/amenities](http://api.travelalberta.com/%7bmarket%7d/facets/amenities)

HTTP METHOD: GET

Sample Call: [/ca/facets/amenities](http://api.travelalberta.com/ca/facets/amenities)

Sample Response:

[

{

"*key*": "1",

"value": "Amphitheatre"

},

{

"*key*": "10",

"value": "Cook Shelters"

}

]

### Category

Description: Return a list of all categories

Call definition: [/{market}/facets/category](http://api.travelalberta.com/%7bmarket%7d/facets/category)

HTTP METHOD: GET

Sample Call: [/ca/facets/category](http://api.travelalberta.com/ca/facets/category)

Sample Response:

[

{

"*key*": "1",

"value": "Accommodation"

},

{

"*key*": "10",

"value": "Visitor Service"

}

]

### Category Types

Description: Return a list of all categories types

Call definition: [/{market}/facets/categories/{CategoryId}/types](http://api.travelalberta.com/%7bmarket%7d/facets/categories/%7bCategoryId%7d/types)

HTTP METHOD: GET

Sample Call: [/ca/facets/categories/1/types](http://api.travelalberta.com/ca/facets/categories/1/types)

Sample Response:

[{

"*key*": "15",

"value": "Backcountry Hut"

}, {

"*key*": "16",

"value": "Hotel, Motel & Inn"

}, {

"*key*": "18",

"value": "Lodges & Cabins"

}, {

"*key*": "19",

"value": "Bed & Breakfast"

}, {

"*key*": "20",

"value": "Guest Ranch & Farm Stays"

}, {

"*key*": "21",

"value": "Campgrounds & RV Parks"

}, {

"*key*": "22",

"value": "Hostel"

}, {

"*key*": "23",

"value": "Vacation Home"

}]

### All Types

Description: Return a list of all category types

Call definition: [/{market}/facets/type](http://api.travelalberta.com/%7bmarket%7d/facets/type)

HTTP METHOD: GET

Sample Call: [/ca/facets/type](http://api.travelalberta.com/ca/facets/type)

Sample Response:

[

{

"*key*": "1",

"value": "National Park"

},

{

"*key*": "10",

"value": "Northern Lights"

}

### All Categories and Children

Description: Return all categories and all of the children for a given category.

Call definition: [/{market}/facets/categories/types](http://api.travelalberta.com/%7bmarket%7d/facets/type)

HTTP METHOD: GET

Sample Call: [/ca/ facets/categories/types](http://api.travelalberta.com/ca/facets/type)

Sample Response:

[{

"*key*": "1",

"value": "Accommodation",

"children": [{

"*key*": "15",

"value": "Backcountry Hut"

}, {

"*key*": "16",

"value": "Hotel, Motel & Inn"

}, {

"*key*": "18",

"value": "Lodges & Cabins"

}, {

"*key*": "19",

"value": "Bed & Breakfast"

}, {

"*key*": "20",

"value": "Guest Ranch & Farm Stays"

}, {

"*key*": "21",

"value": "Campgrounds & RV Parks"

}, {

"*key*": "22",

"value": "Hostel"

}, {

"*key*": "23",

"value": "Vacation Home"

}]

}, {

"*key*": "10",

"value": "Visitor Service",

"children": [{

"*key*": "60",

"value": "Port of Entry"

}, {

"*key*": "61",

"value": "Visitor Information Center"

}]

},…

## ATIS Content

ATIS Content is comprised of four document types: Listings, Offers, Events, and Articles. Searchable parts of Listings are de-normalized into offers, events, and articles. E.G. this allows an Event search to query on a radius as the embedded listing contains a GEO point. [Market](#_Markets) key is a required parameter for all ATIS content operations.

### Listings by ID

Description: Return Listing if its ID exists

* Call definition:
* [/{market}/listings/{documentId}](http://api.travelalberta.com/{market}/listings/{documentId} )

HTTP METHOD: GET

Sample Call: [/ca/listings/1234](http://api.travelalberta.com/ca/listings/1234)

Sample Response:

{

"address": {

"street": "10016 102 Ave.",

"postalCode": "T8V 0Z9",

"city": "Grande Prairie",

"region": "Alberta",

"country": "Canada"

},

"category": "Attraction",

"categoryType": "Spa",

"description": "Escape the world and rejuvenate your mind, body and soul at this Grande Prairie salon and day spa that offers salon services, esthetics, massage, pedicures and manicures.",

"location": {

"type": "Feature",

"geometry": {

"type": "Point",

"latitude": 55.172702,

"longitude": -118.796234

},

"properties": {

"geoLocationSource": null,

"description": null,

"confidenceLevel": "high"

}

},

"phoneNumber": "7805134071",

"tripAdvisorInfo": {

"uriString": null,

"tripAdvisorRating": 0,

"tripAdvisorId": ""

},

"url": {

"type": "Facebook",

"url": "//tadevwatrackingapi.azurewebsites.net/site?id=thXbf7AWpbG6%2f0L7Ayd21AUYMi6rcLSpBAvucpWsfiK9NxB60tTBrsuIUEgaZ7kf8cSMTUuo3NgySRVDxYcElP9n%2b8KjUs0fA2cgJr2qGG%2fCySvYwNDWkzxe9DNTRMlUfSdgOvXE2adugSlQEn3Agw%3d%3d"

},

"activities": [],

"amenities": [],

"images": [

{

"photoCredit": null,

"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/Listings/4161/en-CA/images/1/helios-day-spasalon-inc-L-6.jpg",

"medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/Listings/4161/en-CA/images/1/helios-day-spasalon-inc-M-6.jpg",  
 "small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/Listings/4161/en-CA/images/1/helios-day-spasalon-inc-S-6.jpg"

}

],

"webSites": [],

"greenKeyRating": 0,

"housekeepingAward": false,

"checkInKey": null,

"travelPortKey": null,

"key": "4161",

"name": "Helios Day Spa/Salon Inc.",

"linkName": "helios-day-spasalon-inc",

"language": "en-CA",

"markets": [

"ca",

"us"

],

"regions": [

"northern-alberta"

]

}

### Listings by Query

Description: Return Listings that match criteria

* Call definition:
* [/{market}/listings](http://api.travelalberta.com/{market}/listings)

HTTP METHOD: GET

Sample Call: [/ca/listings](http://api.travelalberta.com/ca/listings)

Sample Response: For Listing object description see “Listings by ID”

[

{Listing 1},

{Listing 2},

…

{Listing N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| from | int | For queries with pagination; starting index of returned results |
| Size | int | For queries with pagination; size of result set to return |
| sortfields | string array | List of field names we are looking to sort on. |
| freeText | string | For free text search to be applied across all available fields. |
| amenityids | string array | Search criteria Amenity Ids as returned via the facet endpoint. |
| activityids | string array | Search criteria Activity Ids as returned via the facet endpoint. |
| categoryids | string array | Search criteria Category Ids as returned via the facet endpoint. |
| categorytypeids | string array | Search criteria Type Ids as returned via the facet endpoint. |
| regions | string array | Criteria for constraining listings to specific regions. |
| addresscity | string array | Criteria for constraining listings to specific cities. |
| listingids | string array | Criteria for constraining listings to specific Ids. |
| radius | object | Radius criteria for constraining results. Radius point is entered in the format “latitude,longitude” ex:  ?radius.point=51.044468384399536,-114.06309406238671& radius.distance=1&radius.geographyDistanceUnits=km |
| polygon | object array | Polygon criteria for constraining results. Polygon point is entered in the format “latitude,longitude” ex: polygon.point=51.044468384399536,-114.06309406238671&polygon.point=53.544391,-113.490946&polygon.point=52.544391,-114.490946&polygon.point=51.544391,-113.490946 |

### Listings by Keys

Description: Return Listings that match specified ids

* Call definition:
* [/{market}/listings/keys](http://api.travelalberta.com/{market}/listings)

HTTP METHOD: GET

Sample Call: [/ca/listings](http://api.travelalberta.com/ca/listings)/keys?ids=1&ids=2

Sample Response: For Listing object description see “Listings by ID”

[

{Listing 1},

{Listing 2},

…

{Listing N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| ids | string array | Criteria for constraining listings to specific Ids. |

### Articles by ID

Description: Return Article if its ID exists

* Call definition:
* [/{market}/articles/{documentId}](http://api.travelalberta.com/{market}/articles/{documentId} )

HTTP METHOD: GET

Sample Call: [/ca/articles/1234](http://api.travelalberta.com/ca/articles/1234)

Sample Response:

{

"author": "Travel Alberta",

"authorBio": null,

"authorOrganization": null,

"authorUrl": {

"type": "Website",

"url": null

},

"content": "<p>The Fiddle Valley is a special place to reconnect with nature and it has long been one of Alberta&rsquo;s best kept secrets. Located in the high alpine of Jasper National Park, the valley is home to unique hiking trails, abundant wildlife, scenic picnic spots and last but certainly not least, the Miette Hot Springs. Famed for being the hottest natural mineral springs in the Canadian Rockies, the water is so hot, it has to be cooled to an average temperature of 40&deg;C (104&deg;F) before it&rsquo;s safe to have a soak. Trust me, though, you&rsquo;ll want to do this more than once.</p>\n\n<p><strong>Hot Springs or Hike?</strong></p>\n\n<p>After a 17 km (10.5 mi) scenic drive along the winding Miette road &ndash; where we spotted a black bear and two cubs &ndash; we pulled into the parking lot for the springs. The entrance to Miette Hot Springs is on the far side, but we made up our minds to hike first today. A quick toss of the coin will decide which trail we take: the moderate trail to Utopia Pass or the steep but so worth it hike to Sulphur Skyline. Either trail would have us back in time for a lengthy post-hike recap soaking in the hot springs.</p>\n\n<p><strong>Easy Hike Rich in History</strong></p>\n\n<p>Heads, it will be the Utopia Pass trail that starts on a wide path to the ruins of the original bath house built in the 1930s. There is evidence that First Nations showed the European trappers the natural hot springs back in the 1800s.</p>\n\n<p>Only a short walk away from the old bath house, 54&deg;C (129&deg;F) water gushes from a crack in the rocks that is cooled before it hits the pools. The trail will get narrow with skinny wooden bridges crossing the creek plenty of times to finally climb to the pass where we can have lunch before returning to the hot pools.</p>\n\n<p><strong>Tough it Out to the Top</strong></p>\n\n<p>If the coin flips to tails, we will be on a tougher hike to Sulphur Skyline with plenty of switchbacks through forests and floral alpine meadows. Eventually the trail pokes out above the treeline to a windswept ridge. The view in every direction is unhindered. Watch for the golden-mantled ground squirrels that live among the summit rocks &ndash; they are swift lunch thieves! But no worries, the bighorn sheep abundant along the trail are only interested in the flowers.</p>\n\n<p><strong>Soak Into the Sunset</strong></p>\n\n<p>After the hike, the spacious hot pools will pull us in. If the sun sets while you are there, you&rsquo;re in for a treat! Jasper National Park is a dark sky preserve and the stargazing is amazing. We&rsquo;ll tip our heads back and watch as the sky fills with twinkling gems.</p>\n\n<p>So, let&rsquo;s toss that coin and see which way we go!</p>\n",

"coverImage": {

"photoCredit": null,

"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/articles/200/en-CA/images/cover/1/a-hike-then-a-soak-at-miette-hot-springs-L-2.jpg",   
 "medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/articles/200/en-CA/images/cover/1/a-hike-then-a-soak-at-miette-hot-springs-M-2.jpg",

"small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/articles/200/en-CA/images/cover/1/a-hike-then-a-soak-at-miette-hot-springs-S-2.jpg"  
},

"fullStoryUrl": null,

"publishedDate": "2015-12-17T00:43:03",

"summary": "Less than an hour from Jasper townsite is a Canadian Rockies day trip you’ll want to take.",

"activities": [

"Hiking"

],

"authorWebSites": [],

"images": [

{

"photoCredit": null,

"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/articles/200/en-CA/images/1/a-hike-then-a-soak-at-miette-hot-springs-L-2.jpg",

"medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/articles/200/en-CA/images/1/a-hike-then-a-soak-at-miette-hot-springs-M-2.jpg",  
 "small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/articles/200/en-CA/images/1/a-hike-then-a-soak-at-miette-hot-springs-S-2.jpg"

}

],

"listingIds": [  
"2036"  
],

"relatedLinks": [],

"key": "200",

"name": "A HIKE, THEN A SOAK AT MIETTE HOT SPRINGS",

"linkName": "a-hike-then-a-soak-at-miette-hot-springs",

"language": "en-CA",

"markets": [

"ca"

],

"regions": [

"canadian-rockies"

]

}

### Articles by Query

Description: Return Articles that match criteria

* Call definition:
* [/{market}/articles](http://api.travelalberta.com/{market}/articles)

HTTP METHOD: GET

Sample Call: [/ca/articles](http://api.travelalberta.com/ca/articles)

Sample Response: For Article object description see “Articles by ID”

[

{Article 1},

{Article 2},

…

{Article N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| from | int | For queries with pagination; starting index of returned results |
| Size | int | For queries with pagination; size of result set to return |
| sortfields | string array | List of field names we are looking to sort on. |
| freeText | string | For free text search to be applied across all available fields. |
| amenityids | string array | Search criteria Amenity Ids as returned via the facet endpoint. |
| activityids | string array | Search criteria Activity Ids as returned via the facet endpoint. |
| categoryids | string array | Search criteria Category Ids as returned via the facet endpoint. |
| categorytypeids | string array | Search criteria Type Ids as returned via the facet endpoint. |
| regions | string array | Criteria for constraining articles to specific regions. |
| addresscity | string array | Criteria for constraining articles to specific cities. |
| listingids | string array | Criteria for constraining articles to specific Listing Ids. |
| radius | object | Radius criteria for constraining results. Radius point is entered in the format “latitude,longitude” ex: ?radius.point=51.044468384399536,-114.06309406238671& radius.distance=1&radius.geographyDistanceUnits=km |
| polygon | object array | Polygon criteria for constraining results. Polygon point is entered in the format “latitude,longitude” ex: polygon.point=51.044468384399536,-114.06309406238671&polygon.point=53.544391,-113.490946&polygon.point=52.544391,-114.490946&polygon.point=51.544391,-113.490946 |

### Articles by Keys

Description: Return Articles that match specified ids

* Call definition:
* [/{market}/articles/keys](http://api.travelalberta.com/{market}/listings)

HTTP METHOD: GET

Sample Call: [/ca/](http://api.travelalberta.com/ca/listings)articles/keys?ids=1&ids=2

Sample Response: For Article object description see “Articles by ID”

[

{Article 1},

{Article 2},

…

{Article N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| ids | string array | Criteria for constraining articles to specific Ids. |

### Offers by ID

Description: Return Offer if its ID exists

* Call definition:
* [/{market}/offer/{documentId}](http://api.travelalberta.com/{market}/offers/{documentId} )

HTTP METHOD: GET

Sample Call: [/ca/offer/1234](http://api.travelalberta.com/ca/offers/1234)

Sample Response:

{

"address": null,

"currency": "CAD",

"description": "Guided tours of the Reynolds Alberta Museum's warehouse provide an exciting look at hidden gems in the museum’s collection. This one hour tour on select July/August dates includes transportation and aviation quadrants. In recognition of Canada 150, the tour focuses on \"made in Canada\". Age 12+. No wheelchair access.",

"location": null,

"price": 25,

"salePercent": 0,

"salePrice": 25,

"timePeriod": {

"startDate": "2017-03-01T10:00:00",

"endDate": "2017-08-31T15:00:00"

},

"url": {

"type": "Website",

"url": "//tadevwatrackingapi.azurewebsites.net/site?id=E29D2RtAKn6e%2bADucuuunezgY%2fBp%2bf%2fKGDnrNfX52P5hJN3Nf121lwHrq%2f4nmCxA2hbO7xVEs9prsQnmcNfBIdDPye2GTafLRp6s6nnaQqkBpteYb9La7JiFf2BumyLIvhLTXWbpTfoXAA1EqMsfWCUWEu4LXGBT%2bsJK%2f1VKlOAUE%2fqXkbq0S0nQTfzWg6TB"

},

"activities": [],

"images": [

{

"photoCredit": "Reynolds-Alberta Museum",

"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/1/warehouse-tours-L-1.jpg",

"medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/1/warehouse-tours-M-1.jpg",  
 "small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/1/warehouse-tours-S-1.jpg"

},

{

"photoCredit": "Reynolds-Alberta Museum",

"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/2/warehouse-tours-L-1.jpg",  
 "medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/2/warehouse-tours-M-1.jpg",  
 "small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/2/warehouse-tours-S-1.jpg"  
},  
{  
 "photoCredit": "Reynolds-Alberta Museum",  
 "large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/3/warehouse-tours-L-1.jpg",  
 "medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/3/warehouse-tours-M-1.jpg",  
 "small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/3/warehouse-tours-S-1.jpg"  
},  
{  
"photoCredit": "Reynolds-Alberta Museum",  
"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/4/warehouse-tours-L-1.jpg",  
"medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/4/warehouse-tours-M-1.jpg",  
 "small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/offers/3052/en-CA/images/4/warehouse-tours-S-1.jpg"  
}  
],  
"listingIds": [  
"1073"  
],

"tourOperatorName": null,

"timeZone": "MST",

"key": "3052",

"name": "Warehouse Tours",

"linkName": "warehouse-tours",

"language": "en-CA",  
 "markets": [

"ca",

"us"

],

"regions": [

"central-alberta"  
]  
 }

### Offers by Query

Description: Return Offers that match criteria

* Call definition:
* [/{market}/offers](http://api.travelalberta.com/{market}/offers)

HTTP METHOD: GET

Sample Call: [/ca/offers](http://api.travelalberta.com/ca/offers)

Sample Response: For Offer object description see “Offers by ID”

[

{Offer 1},

{Offer 2},

…

{Offer N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| from | int | For queries with pagination; starting index of returned results |
| size | int | For queries with pagination; size of result set to return |
| sortfields | string array | List of field names we are looking to sort on. |
| freeText | string | For free text search to be applied across all available fields. |
| activityids | string array | Search criteria Activity Ids as returned via the facet endpoint. |
| categoryids | string array | Search criteria Category Ids as returned via the facet endpoint. |
| categorytypeids | string array | Search criteria Type Ids as returned via the facet endpoint. |
| regions | string array | Criteria for constraining offers to specific regions. |
| addresscity | string array | Criteria for constraining offers to specific cities. |
| listingids | string array | Criteria for constraining offers to specific Listing Ids. |
| radius | object | Radius criteria for constraining results. Radius point is entered in the format “latitude,longitude” ex: ?radius.point=51.044468384399536,-114.06309406238671& radius.distance=1&radius.geographyDistanceUnits=km |
| timeperiod | object | Time period criteria for constraining results ex: timePeriod.from=2014-01-01&timePeriod.to=2014-01-13} |
| price | object | Price criteria for constraining results ex: price.from=25&price.to=26 |
| salePrice | object | Sale Price criteria for constraining results ex: salePrice.from=25&salePrice.To=26 |
| salePercent | object | Sale Percent criteria for constraining results ex:  salePercent.from=25&salePrice.To=26 |
| polygon | object array | Polygon criteria for constraining results. Polygon point is entered in the format “latitude,longitude” ex: polygon.point=51.044468384399536,-114.06309406238671&polygon.point=53.544391,-113.490946&polygon.point=52.544391,-114.490946&polygon.point=51.544391,-113.490946 |

### Offers by Keys

Description: Return Offers that match specified ids

* Call definition:
* [/{market}/offers/keys](http://api.travelalberta.com/{market}/listings)

HTTP METHOD: GET

Sample Call: [/ca/](http://api.travelalberta.com/ca/listings)offers/keys?ids=1&ids=2

Sample Response: For Offer object description see “Offers by ID”

[

{Offer 1},

{Offer 2},

…

{Offer N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| ids | string array | Criteria for constraining offers to specific Ids. |

### Events by ID

Description: Return Event if its ID exists

* Call definition:
* [/{market}/events/{documentId}](http://api.travelalberta.com/{market}/events/{documentId} )

HTTP METHOD: GET

Sample Call: [/ca/events/1234](http://api.travelalberta.com/ca/events/1234)

Sample Response:

{

"address": {

"street": null,

"postalCode": null,

"city": "Banff",

"region": "Alberta",

"country": "Canada"

},

"category": "Event",

"description": "Fantastic opportunity To discover the Backroads of British Columbia, Airport Transfers will be available, And this Trip will be a combination of Wild camping and Simple accomodation, The Price is $3495, And includes Honda CB500X 'Adventure' By Rally Raid UK, insurance (although Not Travel insurance) Food, fuel, accommodation, camping gear, expedition supplies, luggage, portage, and support truck (where necessary). For more information call one of our Travel Consultants now at 1-403-846-7576",

"listingId": "5617",

"location": {  
 "type": "Feature",  
 "geometry": {

"type": "Point",

"latitude": 51.1412915435242,

"longitude": -115.593287618726

},

"properties": {

"geoLocationSource": "user",

"description": null,

"confidenceLevel": "unknown"

}

},

"phoneNumber": "4038467576",

"url": {

"type": "Website",

"url": "//tadevwatrackingapi.azurewebsites.net/site?id=9BnHDg5JppaqAgbkz9OZmp5w%2bRrS%2bRfuZrJ1fQYut1S09aFlZ6XJrABQLnr6%2b0VKz7og2O%2biKAIq26FnBdMrYcqUc3WmHomPpVzkuOCs4HMuvYfgzzp0j0HmoCDbJs23P5Io47%2foDSbNn%2boO1Ylv2w%3d%3d"

},

"activities": [

"Self Drive",

"Unique Stays",

"ATVing",

"Tent Camping",

"Sightseeing Tours"

],

"amenities": [

"Camping - Group",

"Bike Trails"

],

"dates": [

{

"startDate": "2017-05-14T16:00:00",

"endDate": "2017-05-20T22:00:00"

},

{

"startDate": "2017-06-18T16:00:00",

"endDate": "2017-06-24T22:00:00"

},

{

"startDate": "2017-09-10T16:00:00",

"endDate": "2017-09-16T22:00:00"

}

],

"images": [

{

"photoCredit": null,

"large": "//tadevsapubimg01.blob.core.windows.net/publishedimages/events/1547/en-CA/images/1/backroads-of-bc-tour-L-1.jpg",

"medium": "//tadevsapubimg01.blob.core.windows.net/publishedimages/events/1547/en-CA/images/1/backroads-of-bc-tour-M-1.jpg",

"small": "//tadevsapubimg01.blob.core.windows.net/publishedimages/events/1547/en-CA/images/1/backroads-of-bc-tour-S-1.jpg"  
 }

],

" categoryTypes": [

"71",

"65"

],

"webSites": [

{

"type": "Facebook",

"url": "//tadevwatrackingapi.azurewebsites.net/site?id=9BnHDg5JppaqAgbkz9OZmiAG%2b2zkOY2opp9bYwQzN6Ruc09r4Tuc1jtizCXS4OQGJuy4D0i1MUIdsDD0rfLyA%2bNxj6U%2fudRlnINkcgP%2f1xPXiqKyD87siBiDKRVAsoZ1"

},

{

"type": "Instagram",

"url": "//tadevwatrackingapi.azurewebsites.net/site?id=9BnHDg5JppaqAgbkz9OZmocWXs4py3GLDH%2fnE2iOoDH6jA%2bTgeor4g4RjMIRMJMrRoSHNBQKmUCj3wY8C2ByFKWj%2fRoEtLPvMHKWK21NzfT0ja7OA8pkW1AfzNEwlO5RakNS47UbFKQiy88As9%2f16Q%3d%3d"

},

{

"type": "Twitter",

"url": "//tadevwatrackingapi.azurewebsites.net/site?id=9BnHDg5JppaqAgbkz9OZmrTjIG8zvzdExS0eYNngdNKkHGYDbpwn2Xhsy9SVlMwZBN%2fuUs%2bJTTAjxEHdmId2GBjsw5XfrKVXh1LQjWLyFT%2f9X87IGDt4xVOF5lANiSz4"

}

],

"timeZone": "MST",

"key": "1547",

"name": "Backroads of BC Tour",

"linkName": "backroads-of-bc-tour",

"language": "en-CA",

"markets": [

"ca",

"us"

],

"regions": [

"canadian-rockies"

]

}

### Events by Query

Description: Return Events that match criteria

* Call definition:
* [/{market}/events](http://api.travelalberta.com/{market}/events)

HTTP METHOD: GET

Sample Call: /ca/events

Sample Response: For Event object description see “Events by ID”

[

{Event 1},

{Event 2},

…

{Event N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| from | int | For queries with pagination; starting index of returned results |
| size | int | For queries with pagination; size of result set to return |
| sortfields | string array | List of field names we are looking to sort on. |
| freeText | string | For free text search to be applied across all available fields. |
| amenityids | string array | Search criteria Amenity Ids as returned via the facet endpoint. |
| activityids | string array | Search criteria Activity Ids as returned via the facet endpoint. |
| categoryids | string array | Search criteria Category Ids as returned via the facet endpoint. |
| categorytypeids | string array | Search criteria Type Ids as returned via the facet endpoint. |
| regions | string array | Criteria for constraining events to specific regions. |
| addresscity | string array | Criteria for constraining events to specific cities. |
| listingids | string array | Criteria for constraining events to specific Listing Ids. |
| radius | object | Radius criteria for constraining results. Radius point is entered in the format “latitude,longitude” ex: radius.point=51.044468384399536,-114.06309406238671& radius.distance=1&radius.geographyDistanceUnits=km |
| dates | object | Time period criteria for constraining results ex: dates.from=2014-01-01&dates.to=2014-01-13 |
| polygon | object array | Polygon criteria for constraining results. Polygon point is entered in the format “latitude,longitude” ex: polygon.point=51.044468384399536,-114.06309406238671&polygon.point=53.544391,-113.490946&polygon.point=52.544391,-114.490946&polygon.point=51.544391,-113.490946 |

### Events by Keys

Description: Return Events that match specified ids

* Call definition:
* [/{market}/events/keys](http://api.travelalberta.com/{market}/listings)

HTTP METHOD: GET

Sample Call: [/ca/](http://api.travelalberta.com/ca/listings)events/keys?ids=1&ids=2

Sample Response: For Event object description see “Events by ID”

[

{Event 1},

{Event 2},

…

{Event N}

]

Available Parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Type** | **Description** |
| ids | string array | Criteria for constraining events to specific Ids. |