search_place

Returns canonical information including a unique place_id, latitude, longitude and street address about a set of places based on a string. Also includes common filter criteria price_level, rating and types. For example "pizza in New York" or "shoe stores near Ottawa" or "123 Main Street". The service responds with a list of places matching the text string and any location bias that has been set.

The service is especially useful for making ambiguous address queries in an automated system, and non-address components of the string may match businesses as well as addresses. Examples of ambiguous address queries are poorly-formatted addresses or requests that include non-address components such as business names.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es. If language and country are None, country will be inferred from user's locale if it has been set.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1. If language and country are None, language will be inferred from user's locale if it has been set.	No
latitude	number	Center latitude of the search radius. Must be provided with longitude and radius.	No
longitude	number	Center longitude of the search radius. Must be provided with latitude and radius.	No
query	string	The text string on which to search, for example: "restaurant" or "123 Main Street". This must a place name, address, or category of establishments. Any other types of input can generate errors and are not guaranteed to return valid results. The service will return candidate matches based on this string and order the results based on their perceived relevance.	Yes
radius	number	Defines the distance (in meters) within which to return place results. Ignored unless latitude and longitude are specified. You may bias results to a specified circle by passing latitude longitude and a radius parameter. Doing so instructs the service to prefer showing results within that circle; results outside the defined area may still be displayed. The radius will automatically be clamped to a maximum value of 50,000 meters.	No

place_details

Once you have a place_id from search_place, you can request more details about a particular establishment or point of interest by calling place_details request. place_details returns more comprehensive information about the indicated place such as its complete address, phone number, opening hours, user rating and reviews.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es. If language and country are None, country will be inferred from user's locale if it has been set.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1. If language and country are None, language will be inferred from user's locale if it has been set.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

get_directions

Search for directions from origin to destination with preferred departure / arrival time for several modes of transportation, including transit, driving, walking or cycling, and request best_guess, pessimistic or optimistic traffic estimates

Parameters

Parameter	Type	Description	Required
arrival_time	string	Expected arrival time in ISO 8601 format with timezone offset. E.g. 2024-12-03T22:26-08:00. Can only be set if departure_time is not.	No

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es. If language and country are None, country will be inferred from user's locale if it has been set.	No
departure_time	string	Expected departure time in ISO 8601 format with timezone offset. E.g. 2024-12-03T22:26-08:00. Can only be set if arrival_time is not.	No
destination	string	place_id representing destination. Returned by search_place tool.	Yes
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1. If language and country are None, language will be inferred from user's locale if it has been set.	No
mode	string	For the calculation of distances and directions, you may specify the transportation mode to use. By default, driving mode is used. By default, directions are calculated as driving directions. The following travel modes are supported: driving, walking, bicycling, transit	No
origin	string	place_id representing origin. Returned by search_place tool.	Yes
traffic_model	string	Specifies the assumptions to use when calculating time in traffic. This setting affects the value returned in the duration_in_traffic field in the response, which contains the predicted time in traffic based on historical averages. The traffic_model parameter may only be specified for driving directions where the request includes a departure_time. The available values for this parameter are: best_guess, pessimistic, optimistic	No

convert_place_id_lat_lon_address

Accepts a place as an address, latitude and longitude coordinates, or place_id. Converts one to the other two. At least one of place_id, latitude & longitude, formatted_address must be provided.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es. If language and country are None, country will be inferred from user's locale if it has been set.	No
formatted_address	string	Formatted address to search for.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1. If language and country are None, language will be inferred from user's locale if it has been set.	No
latitude	number	Latitude to search for. Must be provided with longitude.	No
longitude	number	Longitude to search for. Must be provided with latitude.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	No

search_place_and_specify_return_fields

Returns canonical information including a unique place_id, latitude, longitude and street address about a set of places based on a string, based on the input parameter `fields`. For example "pizza in New York" or "shoe stores near Ottawa" or "123 Main Street". The service responds with a list of places matching the text string and any location bias that has been set.

The service is especially useful for making ambiguous address queries in an automated system, and non-address components of the string may match businesses as well as addresses. Examples of ambiguous address queries are poorly-formatted addresses or requests that include non-address components such as business names.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No

Parameter	Type	Description	Required
fields	string	The place data type to return. For example, `fields=name` specifies the return data type has only the `name` key. Acceptable parameters are `formatted_address`, `geometry`, `name`, `place_id` and `all`. `all` means return all canonical types. Multiple parameters can be specified in a comma-separated list, e.g., `fields=geometry,name,place_id`	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
latitude	number	Center latitude of the search radius. Must be provided with longitude and radius.	No
longitude	number	Center longitude of the search radius. Must be provided with latitude and radius.	No
query	string	The text string on which to search, for example: "restaurant" or "123 Main Street". This must a place name, address, or category of establishments. Any other types of input can generate errors and are not guaranteed to return valid results. The service will return candidate matches based on this string and order the results based on their perceived relevance.	Yes
radius	number	Defines the distance (in meters) within which to return place results. Ignored unless latitude and longitude are specified. You may bias results to a specified circle by passing latitude longitude and a radius parameter. Doing so instructs the service to prefer showing results within that circle; results outside the defined area may still be displayed. The radius will automatically be clamped to a maximum value of 50,000 meters.	No

place_details_and_specify_return_fields

Once you have a place_id from search_place, you can request more details about a particular establishment or point of interest by calling place_details_and_specify_return_fields request. Using the input parameters `fields` to filter what information to return.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
fields	string	The place data type to return. For example, `fields=name` specifies the return data type has only the `name` key. Acceptable parameters are `formatted_address`, `geometry`, `formatted_phone_number`, `name`, `price_level`, `rating`, `types`, `reviews`, `delivery`, `reservable`, `opening_hours`, and `all`. `all` means return all data types mentioned above. Multiple parameters can be specified in a comma-separated list, e.g., `fields=geometry,name,geometry`	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

search_place_and_return_address

Return a list of addresses of place entities matching the search query. For example "pizza in New York" or "shoe stores near Ottawa" or "123 Main Street". The service responds with a list of places matching the text string and any location bias that has been set.

The service is especially useful for making ambiguous address queries in an automated system, and non-address components of the string may match businesses as well as addresses. Examples of ambiguous address queries are poorly-formatted addresses or requests that include non-address components such as business names.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
latitude	number	Center latitude of the search radius. Must be provided with longitude and radius.	No
longitude	number	Center longitude of the search radius. Must be provided with latitude and radius.	No

Parameter	Type	Description	Required
query	string	The text string on which to search, for example: "restaurant" or "123 Main Street". This must a place name, address, or category of establishments. Any other types of input can generate errors and are not guaranteed to return valid results. The service will return candidate matches based on this string and order the results based on their perceived relevance.	Yes
radius	number	Defines the distance (in meters) within which to return place results. Ignored unless latitude and longitude are specified. You may bias results to a specified circle by passing latitude longitude and a radius parameter. Doing so instructs the service to prefer showing results within that circle; results outside the defined area may still be displayed. The radius will automatically be clamped to a maximum value of 50,000 meters.	No

search_place_and_return_name

Return a list of names of place entities matching the search query. For example "pizza in New York" or "shoe stores near Ottawa" or "123 Main Street". The service responds with a list of places matching the text string and any location bias that has been set.

The service is especially useful for making ambiguous address queries in an automated system, and non-address components of the string may match businesses as well as addresses. Examples of ambiguous address queries are poorly-formatted addresses or requests that include non-address components such as business names.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
latitude	number	Center latitude of the search radius. Must be provided with longitude and radius.	No
longitude	number	Center longitude of the search radius. Must be provided with latitude and radius.	No
query	string	The text string on which to search, for example: "restaurant" or "123 Main Street". This must a place name, address, or category of establishments. Any other types of input can generate errors and are not guaranteed to return valid results. The service will return candidate matches based on this string and order the results based on their perceived relevance.	Yes
radius	number	Defines the distance (in meters) within which to return place results. Ignored unless latitude and longitude are specified. You may bias results to a specified circle by passing latitude longitude and a radius parameter. Doing so instructs the service to prefer showing results within that circle; results outside the defined area may still be displayed. The radius will automatically be clamped to a maximum value of 50,000 meters.	No

search_place_and_return_place_id

Return a list of place ids of place entities matching the search query. For example "pizza in New York" or "shoe stores near Ottawa" or "123 Main Street". The service responds with a list of places matching the text string and any location bias that has been set.

The service is especially useful for making ambiguous address queries in an automated system, and non-address components of the string may match businesses as well as addresses. Examples of ambiguous address queries are poorly-formatted addresses or requests that include non-address components such as business names.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
latitude	number	Center latitude of the search radius. Must be provided with longitude and radius.	No

Parameter	Type	Description	Required
longitude	number	Center longitude of the search radius. Must be provided with latitude and radius.	No
query	string	The text string on which to search, for example: "restaurant" or "123 Main Street". This must a place name, address, or category of establishments. Any other types of input can generate errors and are not guaranteed to return valid results. The service will return candidate matches based on this string and order the results based on their perceived relevance.	Yes
radius	number	Defines the distance (in meters) within which to return place results. Ignored unless latitude and longitude are specified. You may bias results to a specified circle by passing latitude longitude and a radius parameter. Doing so instructs the service to prefer showing results within that circle; results outside the defined area may still be displayed. The radius will automatically be clamped to a maximum value of 50,000 meters.	No

search_place_and_return_geometry

Return a list of geometry information of place entities matching the search query. For example "pizza in New York" or "shoe stores near Ottawa" or "123 Main Street". The service responds with a list of places matching the text string and any location bias that has been set.

The service is especially useful for making ambiguous address queries in an automated system, and non-address components of the string may match businesses as well as addresses. Examples of ambiguous address queries are poorly-formatted addresses or requests that include non-address components such as business names.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
latitude	number	Center latitude of the search radius. Must be provided with longitude and radius.	No
longitude	number	Center longitude of the search radius. Must be provided with latitude and radius.	No
query	string	The text string on which to search, for example: "restaurant" or "123 Main Street". This must a place name, address, or category of establishments. Any other types of input can generate errors and are not guaranteed to return valid results. The service will return candidate matches based on this string and order the results based on their perceived relevance.	Yes
radius	number	Defines the distance (in meters) within which to return place results. Ignored unless latitude and longitude are specified. You may bias results to a specified circle by passing latitude longitude and a radius parameter. Doing so instructs the service to prefer showing results within that circle; results outside the defined area may still be displayed. The radius will automatically be clamped to a maximum value of 50,000 meters.	No

place_details_and_return_geometry

Returns only the geometry information of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_address

Returns only the address of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_phone_number

Returns only the phone number of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_name

Returns only the name of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_price_level

Returns only the price level information of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_rating

Returns only the rating information of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_types

Returns only the type information of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_reviews

Returns only the reviews of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_delivery

Returns only the delivery information (whether the place has delivery service) of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_reservable

Returns only the reservation information (whether the place is reservable) of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

place_details_and_return_opening_hours

Returns only the opening hours information of the searched entity given the `place_id`, if available.

Parameters

Parameter	Type	Description	Required
country	string	The country to search in. Specified in lowercase ISO 3166-1 alpha-2. Also affects language codes including en, zh, pt, es.	No
language	string	The language in which to return results. Specified in lowercase ISO 639 Set 1.	No
place_id	string	Unique id representing the location. Returned by search_place tool.	Yes

create_calendar

Create a new calendar.

Calendar events can be added to this calendar using the uuid this function returns.

Parameters

Parameter	Type	Description	Required
title	string	Title summarizing the new calendar. E.g. Work.	Yes

search_calendars

Search for calendars based on criteria.

Search for calendars based on provided criteria. At least one search criteria should be provided.

Each field has a search criteria of either

1. Exact value matching
2. Semantic similarity string matching with a predefined threshold Search results contains all calendar entries that matched all criteria

Parameters

Parameter	Type	Description	Required
calendar_id	string	String format unique identifier for the calendar. Will be exact matched.	No
title	string	Search query for title field. Will be matched based on semantic similarity	No

modify_calendar

Modify an existing calendar.

The only editable field for calendar is its title.

Parameters

Parameter	Type	Description	Required
calendar_id	string	UUID of calendar to be edited.	Yes
title	string	New title for the calendar. E.g. Home.	Yes

remove_calendar

Remove a calendar based on its uuid.

Note that removing a calendar also removes all associated calendar events.

Parameters

Parameter	Type	Description	Required
calendar_id	string	UUID of calendar to be removed.	Yes

create_calendar_event

Create a calendar event based on provided arguments.

Parameters

Parameter	Type	Description	Required
attendee_emails	array	A list of attendee emails. Forms a 1 to 1 mapping with attendee_names. Use null element for attendee without an email.	No
attendee_names	array	A list of attendee names. Forms a 1 to 1 mapping with attendee_email.	No
calendar_id	string	UUID of calendar this event belongs to.	Yes

Parameter	Type	Description	Required
description	string	Detailed description of the event.	No
end_datetime	string	ISO 8601 datetime string with UTC timezone offset representing event end time, exclusive. E.g. 2024-12-09T16:00-08:00.	Yes
formatted_address	string	formatted_address of the event location.	No
is_all_day	boolean	Boolean value indicating if this is an all day event. If true, hours and minute info in start_datetime and end_datetime will be discarded.	No
latitude	number	Latitude of the event location.	No
longitude	number	Longitude of the event location.	No
place_id	string	place_id of the event location.	No
recurrence_frequency	string	Unit of recurrence frequency.	No
recurrence_interval	integer	Combined with unit, forms a recurrence rule. E.g. interval of 2 and frequency of WEEKLY means biweekly.	No
recurrence_until_datetime	string	ISO 8601 representing end of recurrence. E.g. 2024-12-31T15:00-08:00.	No
start_datetime	string	ISO 8601 datetime string with UTC timezone offset representing event start time, inclusive. E.g. 2024-12-09T15:00-08:00.	Yes
title	string	Title or summary for the event.	Yes

search_calendar_events

Search for calendar events based on a series of criteria.

Search for calendar events based on provided criteria. At least one search criteria should be provided.

Each field has a search criteria of either

1. Exact value matching
2. Semantic similarity string matching with a predefined threshold
3. Range matching datetime with upperbound or lowerbound

Caveats:

1. Instances of recurring events will only appear in addition to the parent recurrence when datetime_range_lowerbound and datetime_range_upperbound are provided. This is because unbound recurrence event exists.
2. When recurring events are being searched, parent recurrence (indicated by recurrence_parent_id) is also returned, in order to provide information around recurrence frequency and interval.

Search results contains all calendar entries that matched all criteria

Parameters

Parameter	Type	Description	Required
attendee_emails	array	List of attendee emails. Will be exact matched. All provided emails must each find a match.	No
attendee_names	array	List of attendee names. Will be semantically matched. All provided names must each find at least a match.	No
calendar_event_id	string	String format unique identifier for calendar event. Will be exact matched	No
calendar_id	string	String format unique identifier for calendar to search under. Will be exact matched.	No
datetime_range_lowerbound	string	Lowerbound of datetime range to search for calendar event. Any overlap between event [start_datetime, end_datetime) and [Lowerbound, Upperbound) is considered a match.	No
datetime_range_upperbound	string	Upperbound of datetime range to search for calendar event. Any overlap between event [start_datetime, end_datetime) and [Lowerbound, Upperbound) is considered a match.	No
description	string	Detailed description of calendar event. Will be semantically matched	No

Parameter	Type	Description	Required
formatted_address	string	Formatted address of location. Will be semantically matched.	No
is_all_day	boolean	Boolean indicating all day events. Will be exact matched.	No
latitude	number	Latitude of location. Will be matched with 0.01 degree tolerance.	No
longitude	number	Longitude of location. Will be matched with 0.01 degree tolerance.	No
place_id	string	place_id of location. Will be exact matched.	No
recurrence_frequency	string	Enum indicating recurrence frequency. Will be exact matched.	No
recurrence_interval	integer	Enum indicating recurrence interval. Will be exact matched.	No
recurrence_until_datetime	integer	ISO 8601 representing end of recurrence. Will be exact matched.	No
title	string	Title summarizing calendar event. Will be semantically matched	No

remove_calendar_event

Remove a calendar event based on its uuid.

Parameters

Parameter	Type	Description	Required
calendar_event_id	string	UUID of calendar event to be removed. Note that in the case of a single instance of recurring event, using its calendar_event_id only removes this event itself. To delete all instances of a recurring event, use the calendar_event_id of the parent of a recurring instance (e.g. the recurrence_parent_id of the instance).	Yes

modify_calendar_event

Modify a calendar event based on its uuid.

Besides calendar_event_id, at least one modification field must be provided.

Parameters

Parameter	Type	Description	Required
attendee_emails	array	New list of attendee emails.	No
attendee_names	array	New list of attendee names.	No
calendar_event_id	string	UUID of calendar event to be modified. Note that in the case of a single instance of recurring event, using its calendar_event_id only modifies this event itself. To modify all instances of a recurring event, use the calendar_event_id of the parent of a recurring instance (e.g. the recurrence_parent_id of the instance). Modifying a parent recurrence event means previously occurred child instances are removed, and replaced with new instances with new uuids.	Yes
calendar_id	string	New string format unique identifier for calendar this event belongs to.	No
description	string	New detailed description of calendar event.	No
end_datetime	string	New ISO 8601 datetime string with UTC timezone offset representing event end time, exclusive. E.g. 2024-12-09T16:00-08:00.	No
formatted_address	string	New formatted address of location.	No
is_all_day	boolean	Boolean indicating all day events.	No
latitude	number	New latitude of location.	No
longitude	number	New longitude of location.	No
place_id	string	New place_id of location.	No
recurrence_frequency	string	Enum indicating new recurrence frequency.	No
recurrence_interval	integer	Enum indicating new recurrence interval.	No
recurrence_until_datetime	integer	ISO 8601 representing end of recurrence. Will be exact matched.	No

Parameter	Type	Description	Required
start_datetime	string	New ISO 8601 datetime string with UTC timezone offset representing event start time, inclusive. E.g. 2024-12-09T15:00-08:00.	No
title	string	New title summarizing calendar event.	No

get_system_settings

Get current system settings.

Including but not limited to: - Cellular service status - Wifi status - Location service status - Low battery mode status - Locale information - Timezone information in the form of utc offset in seconds.

set_system_settings

Set current system settings.

At least one value must be provided.

Parameters

Parameter	Type	Description	Required
cellular	boolean	True to turn on cellular service. False otherwise.	No
locale	string	Locale to set to. In the form of _, e.g. en_US.	No
location_service	boolean	True to turn on location service. False otherwise.	No
low_battery_mode	boolean	True to turn on low battery mode. False otherwise.	No
utc_offset_seconds	integer	Timezone to set to. In the form of number of offset seconds against UTC. E.g. -28800 represents UTC−08:00.	No
wifi	boolean	True to turn on wifi service. False otherwise.	No

get_current_location

Request current location latitude, longitude, uuid and address.

get_cellular_status

Get current cellular service status.

get_wifi_status

Get current wifi service status.

get_location_service_status

Get current location service status.

get_low_battery_mode_status

Get current low battery mode status.

get_locale

Get current system locale.

Contains language and location code separated by underscore.

get_timezone_utc_offset_seconds

Get current timezone, expressed in utc offset in seconds.

E.g. -28800 represents UTC−08:00.

get_current_latitude

Request current location latitude

get_current_longitude

Request current longitude latitude

get_current_place_id

Request an uuid of current location.

Can be used to query location detail information in map domain tools.

get_current_formatted_address

Request the formatted_address of current location.

set_cellular_status

Set current cellular service status.

Parameters

Parameter	Type	Description	Required
status	boolean	True to turn on cellular service. False otherwise.	Yes

set_wifi_status

Set current wifi service status.

Parameters

Parameter	Type	Description	Required
status	boolean	True to turn on wifi service. False otherwise.	Yes

set_location_service_status

Set current location service status.

Parameters

Parameter	Type	Description	Required
status	boolean	True to turn on location service. False otherwise.	Yes

set_low_battery_mode_status

Set current low battery mode status.

Parameters

Parameter	Type	Description	Required
status	boolean	True to turn on low battery mode. False otherwise.	Yes

set_locale

Set current system locale.

Parameters

Parameter	Type	Description	Required
locale	string	Locale to set to. In the form of _, e.g. en_US.	Yes

set_timezone_utc_offset_seconds

Set current system timezone.

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
utc_offset_seconds	integer	Timezone to set to. In the form of number of offset seconds against UTC. E.g. -28800 represents UTC−08:00.	Yes

get_system_settings_field

Get current system settings.

Request information for a specific system settings field. Including: - Cellular service status - Wifi status - Location service status - Low battery mode status - Locale information - Timezone information in the form of utc offset in seconds.

Parameters

Parameter	Type	Description	Required
field	string	Name of the system setting to retrieve. Can choose from cellular, wifi, location_service, low_battery_mode, locale, utc_offset_seconds	Yes

get_current_location_field

Request current location information based on a specific field.

Parameters

Parameter	Type	Description	Required
field	string	Name the current location info to retrieve. Can choose from latitude, longitude, place_id, formatted_address	Yes

get_current_iso_8601_datetime_with_utc_offset

Get the current time, represented in ISO 8601 datetime string with UTC offset.

UTC offset is stored in settings database.

iso_8601_datetime_with_utc_offset_to_iso_weekday

Given an ISO 8601 datetime string with UTC offset, find its ISO weekday.

ISO weekday ranges from [1, 7]. Monday = 1, Sunday = 7

Parameters

Parameter	Type	Description	Required
datetime_str	string	ISO 8601 datetime string with UTC offset.	Yes

web_search

Performs real time websearch over a webpage index based on textual query.

Similar to google search. Returns a list of search results, including a short summary snippet, webpage url etc.

Parameters

Parameter	Type	Description	Required
query	string	Concise search query targeted for a search engine.	Yes

weather_forecast

Searches for weather forecast.

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
days	integer	Number of days of forecast required. days parameter value ranges between 1 and 14. e.g: days=5. If no days parameter is provided then only today's weather is returned. Should not be provided with dt.	No
dt	string	Forecast date in mm/dd/yyyy format. Should be between today and next 14 day. Should not be provided with days.	No
latlng	string	A comma separated string containing latitude and longitude. E.g. 48.8567,2.3508	Yes

search_events

Searches local events based on search query.

Returns a list of search results, including title, date, ticket info url etc. Only returns 10 results at a time. Use start as an offset to find the next results.

Parameters

Parameter	Type	Description	Required
date	string	Date for the event. Choose from any, today, tomorrow, week, weekend, next_week, month, next_month	No
is_virtual	boolean	If true, only return virtual events.	No
query	string	Search query including location. E.g. "Concert in San Francisco"	Yes
start	integer	Starting index within the search result list. The tool only returns 10 results at a time. To fetch the remaining results, use the exact same rest of the arguments, and set start to your target offset.	No

search_spotify_top_results

Searches top spotify results.

Searches across albums, artists, episodes, genres, playlists, podcasts, tracks, users and returns top 10 results.

Parameters

Parameter	Type	Description	Required
q	string	Search query for spotify.	Yes

search_spotify_albums

Searches albums on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

search_spotify_artists

Searches artists on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

search_spotify_episodes

Searches podcast episodes on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

search_spotify_genres

Searches genres on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

search_spotify_playlists

Searches playlists on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

search_spotify_podcasts

Searches podcasts on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

search_spotify_tracks

Searches tracks on spotify.

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
q	string	Search query for spotify.	Yes

spotify_album_details

Get detailed info about an album / albums in spotify.

Including but not limited to key metadata, artist and tracks.

Parameters

Parameter	Type	Description	Required
ids	string	A single album id, or multiple ids separated by comma. E.g. 2noRn2Aes5aoNVsU6iWThc,3XIgSzrNeDVXVc8LwP7axB	Yes

spotify_artist_profile

Get profile page info about an artist in spotify.

Including but not limited to bio, pinned items, external links.

Parameters

Parameter	Type	Description	Required
artist_id	string	A single artist id. E.g. 4tZwfgrHOc3mvqYlEYSvVi	Yes

spotify_artist_discography

Get discography info about an artist in spotify.

Including but not limited albums, singles.

Parameters

Parameter	Type	Description	Required
artist_id	string	A single artist id. E.g. 4tZwfgrHOc3mvqYlEYSvVi	Yes

spotify_artist_stats

Get artist statistic in spotify.

Followers and listeners by region

Parameters

Parameter	Type	Description	Required
artist_id	string	A single artist id. E.g. 4tZwfgrHOc3mvqYlEYSvVi	Yes

spotify_artist_related_content

Get related content for an artist in spotify.

Content the artist appeared in, related artists etc.

Parameters

Parameter	Type	Description	Required
artist_id	string	A single artist id. E.g. 4tZwfgrHOc3mvqYlEYSvVi	Yes

spotify_artist_goods

Get events and merch for an artist in spotify.

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
artist_id	string	A single artist id. E.g. 4tZwfgrHOc3mvqYlEYSvVi	Yes

spotify_track_details

Get detailed info about a track/tracks on spotify

Parameters

Parameter	Type	Description	Required
track_ids	string	A single track id or comma separated ids.	Yes

spotify_track_credits

Get credit info about a track/tracks on spotify

Parameters

Parameter	Type	Description	Required
track_id	string	A single track id.	Yes

spotify_playlist_tracks

Get tracks within a playlist on spotify

Parameters

Parameter	Type	Description	Required
limit	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
offset	integer	From the whole list, return a subsequence starting from offset, with length of limit.	No
playlist_id	string	A single playlist id.	Yes

spotify_episode_detail

Get details of a podcast episode on spotify

Parameters

Parameter	Type	Description	Required
episode_id	string	A single episode id.	Yes

scrape_webpage

Scrapes web page url and return body content.

The tool performs light boilerplate removal.

Parameters

Parameter	Type	Description	Required
url	string	URL to be scraped.	Yes

search_yelp

Searches for businesses in yelp.

Returns a dict containing a list of search results, including basic info about the businesses.

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
limit	integer	Number of results per page.	No
location	string	String describing the region to search in. Enter exact locations. For example, use Roosevelt, NY not Roosevelt only.	Yes
offset	integer	If offset is set to 0, it means start from zero. If offset is set to 20, it means to start showing after 20 results.	No
search_term	string	Enter any search term you want, just like on Yelp. Ex. Coffee shop, Pizza shop, electrician, or plumber Ex. Black Owned Saloon, Mexican pizza shop	Yes

business_details

Get business details from yelp.

Parameters

Parameter	Type	Description	Required
business_ids	string	Comma separated strings representing business ids. You can put up to 39 business ids on each request.	Yes

business_reviews

Get business reviews from yelp.

Parameters

Parameter	Type	Description	Required
business_id	string	Business id	No
end_cursor	string	Next page token. For next pages, if hasNextPage = true : Input the end_cursor value found from the response of the previous page to get reviews of the next page.	No
rating_filter	string	Only view reviews with rating of rating_filter. Choose from All_ratings, 5_stars, 4_stars, 3_stars, 2_stars, 1_star	No
reviews_per_page	integer	Number of reviews per page	No
sort_by	string	Sorting criteria. Choose from Yelp_sort, Newest_first, Oldest_first, Highest_rated, Lowest_rated, Elites.	No

business_menu

Get business menu from yelp if available.

Parameters

Parameter	Type	Description	Required
business_id	string	String representing business ids.	Yes

business_popular_dishes

Get business popular_dishes from yelp if available.

Parameters

Parameter	Type	Description	Required
business_id	string	String representing business ids.	Yes

product_search

Search for product details on amazon

Parameters

Parameter	Type	Description	Required
category_id	string	Find products in a specific category / department (e.g. computers-intl-ship). Use the Product Category List endpoint to get a list of valid categories and their ids for the country specified in the request. For numeric Amazon category IDs, use the category parameter instead. Default: aps (All Departments)	No
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No
deals_and_discounts	string	Return deals and discounts in a specific condition. ALL_DISCOUNTS, TODAYS_DEALS	No
fields	string	A comma separated list of product fields to include in the response (field projection). By default all fields are returned. Example product_price,product_url,is_best_seller,sales_volume	No
four_stars_and_up	boolean	Return product listings with ratings of 4 stars & up.	No
is_prime	boolean	Only return prime products.	No
language	string	The language of the results. In case not specified, results will be returned in the default domain language. Supported languages per country US en_US, es_US AU en_AU BR pt_BR CA en_CA, fr_CA FR fr_FR, en_GB DE de_DE, en_GB, cs_CZ, nl_NL, pl_PL, tr_TR, da_DK IN en_IN, hi_IN, ta_IN, te_IN, kn_IN, ml_IN, bn_IN, mr_IN IT it_IT, en_GB MX es_MX NL nl_NL, en_GB SG en_SG ES es_ES, pt_PT, en_GB TR tr_TR AE en_AE, ar_AE GB en_GB JP ja_JP, en_US, zh_CN SA ar_AE, en_AE PL pl_PL SE sv_SE, en_GB BE fr_BE, nl_BE, en_GB EG ar_AE, en_AE	No
max_price	number	Only return product offers with price lower than a certain value. Specified in the currency of the selected country. For example, in case country=US, a value of 105.34 means $105.34.	No
min_price	number	Only return product offers with price greater than a certain value. Specified in the currency of the selected country. For example, in case country=US, a value of 105.34 means $105.34.	No
page	integer	Results page to return.	No
product_condition	string	Return products in a specific condition.	No
query	string	Search query (supports both free-form text queries or a product asin).	Yes
seller_id	string	Find products sold by specific seller (merchant). Multiple sellers can be specified as a comma (,) separated list.	No

Parameter	Type	Description	Required
sort_by	string	Return the results in a specific sort order. Default: RELEVANCE Allowed values: RELEVANCE, LOWEST_PRICE, HIGHEST_PRICE, REVIEWS, NEWEST, BEST_SELLERS	No

product_details

Search for product details on amazon

Parameters

Parameter	Type	Description	Required
asin	string	Product ASIN for which to get details. Supports batching of up to 10 ASINs in a single request, separated by comma.	Yes
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No
fields	string	A comma separated list of product fields to include in the response (field projection). By default all fields are returned. Example product_price,product_url,is_best_seller,sales_volume	No
language	string	The language of the results. In case not specified, results will be returned in the default domain language. Supported languages per country US en_US, es_US AU en_AU BR pt_BR CA en_CA, fr_CA FR fr_FR, en_GB DE de_DE, en_GB, cs_CZ, nl_NL, pl_PL, tr_TR, da_DK IN en_IN, hi_IN, ta_IN, te_IN, kn_IN, ml_IN, bn_IN, mr_IN IT it_IT, en_GB MX es_MX NL nl_NL, en_GB SG en_SG ES es_ES, pt_PT, en_GB TR tr_TR AE en_AE, ar_AE GB en_GB JP ja_JP, en_US, zh_CN SA ar_AE, en_AE PL pl_PL SE sv_SE, en_GB BE fr_BE, nl_BE, en_GB EG ar_AE, en_AE	No
more_info_query	string	A query to search and get more info about the product as part of Product Information, Customer Q&As, and Customer Reviews.	No
page	integer	Results page to return.	No

product_reviews

Search for product reviews on amazon

Parameters

Parameter	Type	Description	Required
asin	string	Product asin for which to get reviews.	Yes

Parameter	Type	Description	Required
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No
current_format_only	boolean	Only return reviews of the current format (product variant - e.g. Color). By default reviews are returned for all product variants.	No
fields	string	A comma separated list of product fields to include in the response (field projection). By default all fields are returned. Example product_price,product_url,is_best_seller,sales_volume	No
images_or_videos_only	boolean	Only return reviews containing images and / or videos.	No
language	string	The language of the results. In case not specified, results will be returned in the default domain language. Supported languages per country US en_US, es_US AU en_AU BR pt_BR CA en_CA, fr_CA FR fr_FR, en_GB DE de_DE, en_GB, cs_CZ, nl_NL, pl_PL, tr_TR, da_DK IN en_IN, hi_IN, ta_IN, te_IN, kn_IN, ml_IN, bn_IN, mr_IN IT it_IT, en_GB MX es_MX NL nl_NL, en_GB SG en_SG ES es_ES, pt_PT, en_GB TR tr_TR AE en_AE, ar_AE GB en_GB JP ja_JP, en_US, zh_CN SA ar_AE, en_AE PL pl_PL SE sv_SE, en_GB BE fr_BE, nl_BE, en_GB EG ar_AE, en_AE	No
page	integer	Results page to return.	No
query	string	Find reviews matching a search query.	No
sort_by	string	Return reviews in a specific sort order. Default: TOP_REVIEWS Allowed values: TOP_REVIEWS, MOST_RECENT	No
star_rating	string	Only return reviews with a specific star rating. Default: ALL Allowed values: ALL, 5_STARS, 4_STARS, 3_STARS, 2_STARS, 1_STARS, POSITIVE, CRITICAL	No
verified_purchases_only	boolean	Only return reviews by reviewers who made a verified purchase.	No

seller_profile

Search for seller profile on amazon

Parameters

Parameter	Type	Description	Required
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No

Parameter	Type	Description	Required
fields	string	A comma separated list of product fields to include in the response (field projection). By default all fields are returned. Example product_price,product_url,is_best_seller,sales_volume	No
language	string	The language of the results. In case not specified, results will be returned in the default domain language. Supported languages per country US en_US, es_US AU en_AU BR pt_BR CA en_CA, fr_CA FR fr_FR, en_GB DE de_DE, en_GB, cs_CZ, nl_NL, pl_PL, tr_TR, da_DK IN en_IN, hi_IN, ta_IN, te_IN, kn_IN, ml_IN, bn_IN, mr_IN IT it_IT, en_GB MX es_MX NL nl_NL, en_GB SG en_SG ES es_ES, pt_PT, en_GB TR tr_TR AE en_AE, ar_AE GB en_GB JP ja_JP, en_US, zh_CN SA ar_AE, en_AE PL pl_PL SE sv_SE, en_GB BE fr_BE, nl_BE, en_GB EG ar_AE, en_AE	No
page	integer	Results page to return.	No
seller_id	string	The Amazon Seller ID for which to get seller profile details	Yes

seller_reviews

Search for seller reviews on amazon

Parameters

Parameter	Type	Description	Required
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No
fields	string	A comma separated list of product fields to include in the response (field projection). By default all fields are returned. Example product_price,product_url,is_best_seller,sales_volume	No

Parameter	Type	Description	Required
language	string	The language of the results. In case not specified, results will be returned in the default domain language. Supported languages per country US en_US, es_US AU en_AU BR pt_BR CA en_CA, fr_CA FR fr_FR, en_GB DE de_DE, en_GB, cs_CZ, nl_NL, pl_PL, tr_TR, da_DK IN en_IN, hi_IN, ta_IN, te_IN, kn_IN, ml_IN, bn_IN, mr_IN IT it_IT, en_GB MX es_MX NL nl_NL, en_GB SG en_SG ES es_ES, pt_PT, en_GB TR tr_TR AE en_AE, ar_AE GB en_GB JP ja_JP, en_US, zh_CN SA ar_AE, en_AE PL pl_PL SE sv_SE, en_GB BE fr_BE, nl_BE, en_GB EG ar_AE, en_AE	No
page	integer	Results page to return.	No
seller_id	string	The Amazon Seller ID for which to get seller profile details	Yes
star_rating	string	Only return reviews with a specific star rating or positive / negative sentiment. Default: ALL Allowed values: ALL, 5_STARS, 4_STARS, 3_STARS, 2_STARS, 1_STARS, POSITIVE, CRITICAL	No

seller_products

Search for products from a seller on amazon

Parameters

Parameter	Type	Description	Required
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No
fields	string	A comma separated list of product fields to include in the response (field projection). By default all fields are returned. Example product_price,product_url,is_best_seller,sales_volume	No

Parameter	Type	Description	Required
language	string	The language of the results. In case not specified, results will be returned in the default domain language. Supported languages per country US en_US, es_US AU en_AU BR pt_BR CA en_CA, fr_CA FR fr_FR, en_GB DE de_DE, en_GB, cs_CZ, nl_NL, pl_PL, tr_TR, da_DK IN en_IN, hi_IN, ta_IN, te_IN, kn_IN, ml_IN, bn_IN, mr_IN IT it_IT, en_GB MX es_MX NL nl_NL, en_GB SG en_SG ES es_ES, pt_PT, en_GB TR tr_TR AE en_AE, ar_AE GB en_GB JP ja_JP, en_US, zh_CN SA ar_AE, en_AE PL pl_PL SE sv_SE, en_GB BE fr_BE, nl_BE, en_GB EG ar_AE, en_AE	No
page	integer	Results page to return.	No
seller_id	string	The Amazon Seller ID for which to get seller profile details	Yes
sort_by	string	Return the results in a specific sort order. Default: RELEVANCE Allowed values: RELEVANCE, LOWEST_PRICE, HIGHEST_PRICE, REVIEWS, NEWEST, BEST_SELLERS	No

get_product_categories

Get the list of product categories on amazon

Parameters

Parameter	Type	Description	Required
country	string	Sets the Amazon domain, marketplace country, language and currency. Default: US Allowed values: US, AU, BR, CA, CN, FR, DE, IN, IT, MX, NL, SG, ES, TR, AE, GB, JP, SA, PL, SE, BE, EG	No

get_latest_news

Get the latest news from various categories

Parameters

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

get_world_news

Get the latest news from around the world

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. If not provided, the default value will be used.	No

get_business_news

Get news related to business

Parameters

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

get_entertainment_news

Get news related to entertainment

Parameters

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

get_health_news

Get news related to health

Parameters

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

get_science_news

Get news related to science

Parameters

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

get_sport_news

Get news related to sports

Parameters

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

get_technology_news

Get news related to technology

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
lr	string	Language region parameter to specify the desired language and region of the news. Default: en-US	No

search_news

Search for news based on a keyword

Parameters

Parameter	Type	Description	Required
keyword	string	The search keyword to find relevant news articles. Can be any topic, person, company, event, or subject of interest. Examples: "COVID-19", "Apple", "climate change", "Olympics", "AI technology"	Yes
lr	string	Language region parameter to specify the desired language and region of the news. If not provided, the default value will be used.	No

get_search_suggestions

Get keyword search suggestions based on user input

Parameters

Parameter	Type	Description	Required
keyword	string	The user input for keyword search suggestions. Can be partial words or phrases to get autocomplete suggestions. Examples: "econ" (might suggest "economy", "economics"), "tech" (might suggest "technology", "tech news"), "clim" (might suggest "climate")	Yes
lr	string	Language region parameter to specify the desired language and region of the search suggestions. If not provided, the default value will be used.	No

get_country_holidays_by_year

Get public holidays for a specific country and year.

This function retrieves all public holidays for a given country in a specified year. The holidays include national holidays, religious observances, and other significant dates recognized by the country's government or cultural institutions.

Parameters

Parameter	Type	Description	Required
country_code	string	The ISO 3166-1 alpha-2 country code (e.g., "US" for United States, "GB" for United Kingdom, "CA" for Canada, "DE" for Germany).	Yes
year	integer	The year for which to retrieve holidays (e.g., 2023, 2024). Must be a valid 4-digit year. Most countries have data available for recent years and some future years.	Yes

get_supported_country_codes

Get the list of supported country codes for holiday data.

This function retrieves all country codes that are supported by the public holidays API. Each country code follows the ISO 3166-1 alpha-2 standard (two-letter country codes).

search_reddit

Search for content on Reddit across posts, comments, users, or communities.

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
filter	string	The type of content to filter and return. Default: "posts" Allowed values: "posts", "comments", "media", "users", "communities" Note: "users" and "communities" filters are only available for sitewide searches	No
search	string	The search term to look for. Can be any keyword or phrase. Example: "investing", "best hiking trail in the bay area"	Yes
sort_type	string	How to sort the search results. Default: "relevance" Allowed values: "relevance", "hot", "top", "new", "comments"	No
subreddit	string	A specific subreddit to search within. Leave None to search sitewide. Example: "wallstreetbets", Note: Do not include the "r/" prefix	No
time_filter	string	The time period to filter results by. Default: "all" Allowed values: "all", "year", "month", "week", "day", "hour" Note: Only applicable when sort_type is "relevance" or "comments"	No

get_subreddit_posts

Get posts from a specific subreddit.

Parameters

Parameter	Type	Description	Required
filter	string	The type of posts to retrieve based on Reddit's sorting options. Default: "hot" Allowed values: "hot", "new", "top" - "hot": Currently trending posts with high engagement - "new": Most recently posted content - "top": Highest scoring posts	No
url	string	The full URL of the subreddit to get posts from. Must be a valid Reddit subreddit URL. Example: "https://www.reddit.com/r/wallstreetbets" Example: "https://www.reddit.com/r/programming" Example: "https://www.reddit.com/r/MachineLearning"	Yes

get_post_details

Get detailed information about a specific Reddit post including comments.

Parameters

Parameter	Type	Description	Required
url	string	The full URL of the Reddit post to get details for. Must be a valid Reddit post URL that includes the post ID. Example: "https://www.reddit.com/r/wallstreetbets/comments/p0esdp/do_hedge_funds_beat_the_market_i_analyzed_the"	Yes

get_market_tickers

Get list of market tickers available for trading.

Parameters

Parameter	Type	Description	Required
asset_type	string	Enter one of the following assetClass: STOCKS or ETF or MUTUALFUNDS. Example: STOCKS	No
page	integer	Enter a page number.	No

search_securities

Search for securities (stocks, ETFs, mutual funds, etc.) by name or symbol.

Parameters

Parameter	Type	Description	Required
search	string	Search query string. Can be a company name, ticker symbol, or partial match. Examples: "Apple", "AAPL", "Tesla", "TSLA"	Yes

get_market_quotes_snapshots

Get snapshot quotes for multiple securities (batch request).

Parameters

Parameter	Type	Description	Required
tickers	string	Comma-separated list of ticker symbols. Maximum 200 symbols. Supported formats: - Equity: A, AAPL, GM, MU, TSLA - Futures: ALI=F, CD=F, QM=F, ^IXIC, BTC-F - Forex: EURUSD=X, AUDUSD=X - Indexes: ^DJT, ^HSI, ^VIX, ^TRFK-TC - Mutual Funds & ETFs: SPY, AWSHX, VOO, XAIX.BE - Cryptocurrencies: BTC-USD, ETH-USD - Combination: AAPL,CD=F,^VIX,ADA-USD	Yes

get_market_quotes

Get real-time quote for a single security.

Parameters

Parameter	Type	Description	Required
asset_type	string	Type of asset to get quote for. Default: STOCKS Supported types: STOCKS, ETF, MUTUALFUNDS	No
ticker	string	Single ticker symbol to get quote for. Examples: AAPL, MSFT, TSLA, ^SPX, BTC-USD	Yes

get_stock_history

Get historical price data for a stock or security.

Parameters

Parameter	Type	Description	Required
dividend	boolean	Include dividend information in the response. Optional, set to True to include dividends	No
interval	string	Data interval/granularity. Default: 1d Valid intervals: 1m, 2m, 3m, 4m, 5m, 15m, 30m, 1h, 1d, 1wk, 1mo, 1qty	No
limit	integer	Limit the number of candles returned. Optional, range: 1-1000	No
symbol	string	Stock symbol to get historical data for. Examples: AAPL, MSFT, TSLA, ^SPX, BTC-USD	Yes

screen_stocks

Screen stocks based on various predefined criteria.

Parameters

Parameter	Type	Description	Required
list_type	string	Type of stock screener to use. Default: most_actives Available screeners: - trending: Trending tickers in today's market - undervalued_growth_stocks: Stocks with earnings growth - growth_technology_stocks: Technology stocks with revenue - day_gainers: Stocks with the highest gains - day_losers: Stocks with the highest losses - most_actives: Stocks by intraday trade volume - undervalued_large_caps: Undervalued large cap stocks - aggressive_small_caps: Small-cap stocks with earnings growth - small_cap_gainers: Small caps with a 1 day price change of 5.0%	No

get_stock_modules

Get detailed stock information organized by modules.

Parameters

Parameter	Type	Description	Required
module	string	Single module to retrieve (one per request). Default: profile Available modules: - profile: Company profile and business description - income-statement: Annual income statements - balance-sheet: Annual balance sheets - cashflow-statement: Annual cash flow statements - statistics: Key financial statistics - calendar-events: Upcoming calendar events - sec-filings: SEC filings - recommendation-trend: Analyst recommendation trends - upgrade-downgrade-history: Upgrade/downgrade history - institution-ownership: Institutional ownership data - fund-ownership: Fund ownership data - major-directHolders: Major direct holders - major-holders-breakdown: Major holders breakdown - insider-transactions: Insider transaction data - insider-holders: Insider holders data - net-share-purchase-activity: Net share purchase activity - earnings: Earnings data - industry-trend: Industry trend data - index-trend: Index trend data - sector-trend: Sector trend data	No
ticker	string	Stock symbol to get module data for. Examples: AAPL, MSFT, TSLA, ^SPX	Yes

get_insider_trades

Get general insider trading information from the market.

get_market_news

Get latest market news and financial articles.

Parameters

Parameter	Type	Description	Required

Parameter	Type	Description	Required
news_type	string	Type of news to retrieve (optional). Available types: - ALL: All types of news - VIDEO: Video news only - PRESS_RELEASE: Press releases only	No
tickers	string	Stock symbol to get news for (optional). Examples: AAPL, MSFT, TSLA	No