

Retrieve all the weekends, non-business days, settlement holidays, trading holidays as per different standard Financial exchange calendars for US,UK, Ireland and Abu Dhabi.

TAGS: tradingHolidays, weekdays, weekends,

ENDPOINT: Calendar Events

ENDPOINT DESCRIPTION:

Returns all the weekends, holidays for a specific calendar.

PROD URL: <https://seidevint.api.seic.com/calendars/{ref}>

TEST URL: <https://test.api.seic.com/v1/calendars/{ref}>

TLS URL*: <https://mtls.api.seic.com/v1/calendars/{ref}>

*The TLS endpoint is only used if Server Based Application was selected during the App Registration process.

STEP 1

OAuth Token

This end point requires a path parameter which can be either the calendarName or the calendarId obtained from the \calendar endpoint.

REQUEST PARAMETERS:

Name	Description	Data Type	Parameter Type
ref	The calendar.name or calendar.id value obtained from the previous call.	string	template
Authorization	access_token value obtained from the Token endpoint.This is passed as "Bearer access_token "	string	header
AppKey	This is the Consumer Key provided during the App Registration process and is used to identify the user's application.	string	header
groupBy	Providing this parameter will group the result by the eventCategory	string	query
eventCategory	This accepts a comma seperated string of supported eventCategory.	string	query
since	This accepts the followin date formats yyyy, yyyy-mm,yyyy-mm-dd to search the results with.	string	query
till	TThis accepts the followin date formats yyyy, yyyy-mm,yyyy-mm-dd to search the results with.	string	query

REQUEST PAYLOAD MODEL:

Name	Description	Data Type(L)
countryIsoCode	ISO country code ISO 3166-1 alpha-2 code format.	string
type	Type of Third Party	string
region	The region of the world associated with the calendar with the options being (Africa, Americas, Asia, Europe, Global and Middle East).	string

description	This field holds additional information about the field, and is provided during setup.	string
dayOfWeek	The numeric representation of the day of the week with valid values being. 0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday.	string

SAMPLE REQUEST:

```
curl -X GET \
  https://api.seic.com/v1/calendars/e052934a-f703-11e7-a7f1-005056b6296c\
  -H 'appkey: gsedgaerhDSHGRSH' \
  -H 'authorization: Bearer ADsgdnnkjnfIKJN' \
```

REQUEST HEADER:

```
Authorization: Bearer ADsgdnnkjnfIKJN
AppKey: gsedgaerhDSHGRSH
```

RESPONSE PAYLOAD MODEL:

Name	Description	Data Type(L)
id	The unique identifier for an entity such as a calendar, event, document, account, position or tax lot.	string
countryIsoCode	ISO country code ISO 3166-1 alpha-2 code format.	string
type	The type of calendar, identifying whether it is part of a financial exchange, an alternate governing body, or customized.	string
region	The region of the world associated with the calendar with the options being (Africa, Americas, Asia, Europe, Global and Middle East).	string
name	The business description for an entity in the context of the API, sometimes called a proper name. A name can apply to a Calendar, Financial Institution, Investor, Account, Advisor and various other entities.	string
description	This field holds additional information about the field, and is provided during setup.	string
date	The year, month, and day of the event in UTC format.	string
dayOfWeek	The numeric representation of the day of the week with valid values being. 0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday.	string
categories	An acronym that classifies the event into a defined category. Acronym values are further defined in the metadata response section.	string
metadata.dayOfWeek	This lists the day of the week associated to the numerical value.	array
metadata.eventCategories	The acronym that represents the value returned for the categories.	array

RESPONSE PAYLOAD MODEL:

Name	Description	Data Type(L)
id	The primary identifier of the event.	string
countryISOCode	The 2 character alpha code for a country as represented by International Organization for Standardization (ISO).	string
type	The type of calendar. ex:exchange etc	string
region	The region of the world associated with the calendar with the options being (Africa, Americas, Asia, Europe, Global, and Middle East).	string

name	The name of the calendar or event	string
description	A brief description of the calendar.	string
date	The year, month, and day of the event in UTC format.	string
dayOfWeek	The numeric representation of the day of the week.	number
categories	An acronym that classifies the event into a defined category. Acronym values are further defined in the metadata response section	string

RESPONSE ERRORS:

Name	Description
200	OK- The request has succeeded and the response has been returned.
400	Bad request - The server cannot or will not process the request due to an inaccurate request submitted by the client application. Please resubmit the request after making the required corrections indicated in the error response. For more Info on SEI Error Standards please refer to the API Standards FAQ under Support.
401	Unauthorized - Invalid authentication details have been provided. Also useful to trigger an authorization pop up if the API is used from a browser.
403	Forbidden-The SEI Server understood the request but refuses to fulfill it.
404	Not Found- The requested resource or the underlying resource does not exist. Please resubmit the request after making the required corrections
500	Internal Server Error - The SEI server was unable to fulfill the request due to an unknown condition. Please contact SEI for support. For More Info please refer to the "Response & Errors" FAQ under support.

SAMPLE RESPONSE:

```
{
  "data": {
    "id": "e052934a-f703-11e7-a7f1-005056b6296c",
    "name": "Federal Reserve",
    "countryISOCode": "US",
    "type": "Misc.",
    "region": "Americas",
    "description": "Federal Reserve calendar.",
    "events": [{
      "name": "New Year's Day",
      "date": "2019-01-01",
      "dayOfWeek": 3,
      "categories": [
        "nbd",
        "sh"
      ]
    }]
  },
  "metadata": {
    "dayOfWeek": [{
      "1": "SUNDAY"
    },
    {
      "2": "MONDAY"
    },
    {
      "3": "TUESDAY"
    },
    {
      "4": "WEDNESDAY"
    }
  ]
}
```

```
    },
    {
      "5": "THURSDAY"
    },
    {
      "6": "FRIDAY"
    },
    {
      "7": "SATURDAY"
    }
  ],
  "eventCategories": [{
    "th": "TRADING HOLIDAY"
  },
  {
    "sh": "SETTLEMENT HOLIDAY"
  },
  {
    "pth": "PARTIAL TRADING HOLIDAY"
  },
  {
    "wknd": "WEEKEND"
  },
  {
    "nbd": "NON BUSINESS DAY"
  }
]
}
}
```

RESPONSE HEADER:

```
Content-Type: application/json
Status: 200 OK
requesttrackingid: 67e1ff68-164f-03ad-0f2d-5cbbfda56ec9
```