

# interworks.cloud Billing API

The interworks.cloud Billing API is designed to enable 3rd party application to apply several billing actions available through interworks.cloud BSS by simple RESTful calls.

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## API Responses

Currently Billing API supports JSON format as output and uses [standard HTTP status codes](#) to indicate success or failure of API calls.

The following table contains some common HTTP status codes.

HTTP Code	Message	Description
200	OK	The request was processed and returned successfully. Nothing was changed.
201	Created	The new resource was created successfully
400	Bad Request	Problem with the request, such as a missing, invalid or type mismatched parameter
401	Unauthorized	The request did not have valid authorization credentials
403	Forbidden	Private data you are not allowed to access, or you've hit a rate limit.
404	Not Found	Your URL is wrong, or the requested resource doesn't exist
500	Server Error	We call this the "crap code" error. Basically we've got a problem on our side. If this persists please contact support. We log and review all errors but your help often helps us fix it quicker.
503	Service Unavailable	Our API is down. Please try again. We work hard to make this rare.

## Authorization / Authentication

Check [Authorization & Authentication for Billing and BSS API](#) for details

## Pagination / Pagination metadata

Check [interworks.cloud Billing API](#) for details

## API Methods

All API methods are related to a given organization which should be determined in every call using the appropriate parameter.

## Invoices

### Get Invoices By Created Date

This API call returns all invoices of an organization for a given creation date.

#### API Call:

```
GET: https://<host_name>/api/invoices/?createdDate=<created_date>&sort=<column_name>&order=<order_direction>&page=<page>
```

#### Parameters:

Parameter	Description	Type	Constraints
created_date	The create date of the invoice	string	required

- Set Account External Id
- Payments
  - Get Payments By Account Name
  - Get Payments By Payment Type
  - Get Payments By Create Date
  - Get Payments By Status
  - Add Payment
  - Batch Import of Payments
- Contacts
  - Create Contact
  - Update Contact
- Subscriptions
  - Create Subscription
  - Add Addon To Subscription
  - Get Azure Subscription Usage Records
  - Get Subscriptions By Status
  - Get Active Addons By Subscription Id
- Product
  - Get Product By Product Name
- Orders
  - Get Order Details by Order Code
  - Get Order Items by Order Code
- System
  - Get Invoice Types
  - Get Invoice Statuses
  - Get System Countries
  - Get System Country States
- Organization
  - Get Organization Countries
  - Get Organization Country States
  - Get Organization Taxes
  - Get Organization Tax Rules

column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Examples:**

Call example to get all the invoices which were created at 18/01/2016.

```
GET: https://<host_name>/api/invoices/?createdDate=2016-01-18
```

**Response:**

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

**Get Invoices By Due Date**

This API call returns all invoices of an organization for a given due date.

**API Call:**

```
GET: https://<host_name>/api/invoices/?
dueDate=<due_date>&sort=<column_name>&order=<order_direction>&page=<page_number>
```

**Parameters:**

Parameter	Description	Type	Constraints
due_date	The due date of the invoice	string	required
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Examples:**

- Get Organization Tax Rules By Country, State and/or Product Type
- Get Organization Payment Methods
- Pricelists
  - Get Pricelists
  - Get Pricelists Items
- Error Codes Description
  - Invoice Errors
  - Account Errors
  - Payment Errors
  - Contact Errors
  - Subscription Errors
  - Product Errors
  - Order Errors
  - Other Errors
- API Objects
  - Object: Invoice
  - Object: AccountBillingOptions
  - Object: AccountBalance
  - Object: Payment

Call example to get all the invoices which due at 18/01/2016.

```
GET: https://<host_name>/api/invoices/?dueDate=2016-01-18
```

**Response:**

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

**Get Invoices Overdue**

This API call returns all invoices of an organization which are overdue.

**API Call:**

```
GET: https://<host_name>/api/invoices/overdue/?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

**Parameters:**

Parameter	Description	Type	Constraints
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Examples:**

Call example to get all the invoices which are overdue.

```
GET: https://<host_name>/api/invoices/overdue
```

**Response:**

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

### Get Invoices Outstanding

This API call returns all invoices of an organization which are outstanding.

#### API Call:

```
GET: https://<host_name>/api/invoices/outstanding/?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the invoices which are outstanding.

```
GET: https://<host_name>/api/invoices/outstanding
```

#### Response:

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

### Get Invoices Paid

This API call returns all invoices of an organization which are paid.

#### API Call:

```
GET: https://<host_name>/api/invoices/paid/?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the invoices which are paid.

```
GET: https://<host_name>/api/invoices/paid
```

#### Response:

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

### Get Invoices By Account Name

This API call returns the invoices for an account name.

#### API Call:

```
GET: https://<host_name>/api/invoices/accounts/{accountName}/?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
accountName	The name of the account	string	required
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the invoices of an account name "COMPANY S.A."

```
GET: https://<host_name>/api/invoices/accounts/COMPANY S.A.
```

#### Response:

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

## Get Invoices By Product Name

This API call returns the invoices for a product with a given name.

### API Call:

```
GET: https://<host_name>/api/invoices/products/{productName}?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
productName	The name of the product	string	required
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Examples:

Call example to get all the invoices of a product with name "product test".

```
GET: https://<host_name>/api/invoices/products/product test
```

### Response:

This API call will return a list of invoices:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

### Get Invoices By Product Category

This API call returns the invoices for a product with a given category name.

#### API Call:

```
GET: https://<host_name>/api/invoices/?
productCategory=<product_category>&sort=<column_name>&order=<order_direction>&
```

#### Parameters:

Parameter	Description	Type	Constraints
product_category	The category name of the product	string	required
column_name	The column name for ordering the results (default: invoiceDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the invoices of a product category with name "GPS/GNSS".

```
GET: https://<host_name>/api/invoices/?productCategory=GPS/GNSS
```

#### Response:

This API call will return a list of invoices:



```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Unpaid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

### Get Items By Invoice Code

This API call returns the invoice items for a given invoice code.



To get this specific response **X-Api-Version** header should be 2.1 . For previous versions go [here](#).

#### API Call:

```
GET: https://<host_name>/api/invoices/?
invoiceCode=<invoice_code>&sort=<column_name>&order=<order_direction>&page=<pa
```

#### Parameters:

Parameter	Description	Type	Constraints
invoice_code	The code of the invoice	string	required
column_name	The column name for ordering the results (default: positionInList)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the invoice items of an invoice with code "000628".

```
GET: https://<host_name>/api/invoices/?invoiceCode=000628
```

#### Response:

This API call will return a list of invoice items:

```
[ {
```

```

// Basic information of the invoice item
"id": "71cfd403-de73-44ce-94cb-eb0262e2fc9c",
"name": null,
"position": 1,
"usage": null,
"unit": "Month",
"quantity": 1.0000000000,
"unitPrice": 0.0000000000,
"costPrice": 0.0,
"discount": 10.0000000000,
"discountType": "Percent",
"vatPercent": 0.0,
"finalPrice": 0.0000000000,
"dueDate": "2016-08-06T00:00:00+03:00",
"billingPeriodStart": "2016-07-04T00:00:00-07:00",
"billingPeriodEnd": "2016-08-03T23:59:00-07:00",

//Invoice Billing Account information
"billingAccount": {
  "id": 152509,
  "name": "BSS439SofOffice2",
  "code": "5418"
},

// Promotion information
"promotion": {
  "name": null,
  "discount": 0.0,
  "end": "0001-01-01T00:00:00+00:00"
},

// Contract information
"contract": {
  "name": null,
  "start": "0001-01-01T00:00:00+00:00",
  "end": "0001-01-01T00:00:00+00:00",
  "comments": null
},

// Product information grouped (the product is the same in every
related subscription, so it appears only here)
"product": {
  "id": "86577723-f2aa-4dfd-9d63-cf0189436071",
  "code": "azure",
  "name": "MS Azure CheckBillingService"
},

// Only for azure items, this collection holds the usage records as
they appear in the invoice
"usageRecords": [{
  "id": "97c8f0f5-66b2-463c-94f0-6f8f4b78ad97",
  "name": "DC2ndSub",
  "position": 3,
  "unit": "Hours",
  "quantity": 39.8333500000,
  "unitPrice": 0.1087857000,
  "costPrice": 0.0,
  "discount": 10.0000000000,
  "discountType": "Percent",
  "vatPercent": 0.0,
  "finalPrice": 0.0979071300,
  "usageStart": "2016-07-08T00:00:00+00:00",
  "usageEnd": "2016-07-11T00:00:00+00:00",
  "comments": null
}, {
  "id": "af6494d5-4a62-4adf-acf4-f817350e1a45",
  "name": "DC2ndSub",
  "position": 4,
  "unit": "Hours",
  "quantity": 157.9000180000,
  "unitPrice": 0.1087857000,

```

```
        "costPrice": 0.0,
        "discount": 10.0000000000,
        "discountType": "Percent",
        "vatPercent": 0.0,
        "finalPrice": 0.0979071300,
        "usageStart": "2016-07-15T00:00:00+00:00",
        "usageEnd": "2016-07-23T00:00:00+00:00",
        "comments": null
    }],

    // Related subscriptions to the invoice item (will include 1 or more
    // subscriptions here, if the line item groups more than one)
    "subscriptions": [{
        "id": "739281817-98b4-413a-9130-1a7444944b13",
        "externalId": null,
        "addonId": "739281817-98b4-413a-9130-1a7444944b13",
        "addonExternalId": null,
        "name": "SUBSCRIPTION ONE",
        "startDate": "2016-12-01T00:00:00+01:00", // billing period start
        (line item)
        "endDate": "2016-12-31T23:59:00+01:00", // billing period end
        "activationDate": "2016-10-01T00:00:00+01:00", // from the
        subscription
        "createdDate": "2016-10-12T23:06:51.59+01:00", // from the
        subscription
        "status": "Active",
        "quantity": 1,
        "unit": "Month",
        "isTrial": false,
        "billingOption": "OnSubscriptionStart",
        "description": "",
        "isRenewAutomatically": true,

        // Invoice item's Account Information
        "account": {
            "id": 52,
            "externalId": "956ab311-4ff5-4a55-82cb-0a64b57d2b89",
            "name": "CUSTOMER ONE",
            "code": null
        }
    }
    ]
}
```

## Cancel Invoice

This API call cancels an invoice with a given id returns the cancelled invoice.

### API Call:

```
PUT: https://<host_name>/api/invoices/<invoice_id>/cancel
```

### Parameters:

Parameter	Description	Type	Constraints
invoice_id	The ID for the invoice to be cancelled	integer	required

### Call Examples:

Call example to cancel the invoice with Id ea136fe2-aba2-4c7a-bcb5-59ace5d80c1e.

```
GET: https://<host_name>/api/invoices/ea136fe2-aba2-4c7a-bcb5-59ace5d80c1e/cancel
```

**Response:**

This API call will return the cancelled invoice:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Cancelled",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

**Mark Invoice As Paid**

This API call marks as paid an invoice with a given id and returns the paid invoice.

**API Call:**

```
PUT: https://<host_name>/api/invoices/<invoice_id>/markpaid
```

**Parameters:**

Parameter	Description	Type	Constraints
invoice_id	The ID for the invoice to be marked as paid	integer	required

**Call Examples:**

Call example to mark as paid the invoice with Id 83fb860c-4229-44b0-9370-9a7a0e294e86.

```
GET: https://<host_name>/api/invoices/83fb860c-4229-44b0-9370-9a7a0e294e86/markpaid
```

**Response:**

This API call will return the paid invoice:

```
[
  {
    "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
    "code": "000014",
    "type": "Debit",
    "stage": "Paid",
    "paymentMethod": "credit card",
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "billingAccountId": 10,
    "billingAccountName": "Billing API - Test Account",
    "date": "2016-01-18T00:00:00+02:00",
    "dueDate": "2016-01-18T00:00:00+02:00",
    "createdDate": "2016-01-18T11:02:50.647+00:00",
    "paymentDate": "0001-01-01T00:00:00+00:00",
    "grossAmount": 30.0000000000,
    "discountAmount": 0.0000000000,
    "netAmount": 30.0000000000,
    "totalAmount": 30.0000000000
  }
]
```

## Accounts

### Get Accounts

This API call returns all available accounts.

#### API Call:

```
GET: https://<host_name>/api/accounts/?
include=<include_name>&page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
include_name	The include parameter is used to include extra information about the account.  The only value that is supported right now is <b>customfields</b> . (default: empty string)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

##### Example 1 - Without Parameters

Call example to get all accounts without custom fields.

```
GET: https://<host_name>/api/accounts
```

#### Response:

This API call will return all accounts without custom fields:

```
{
  "data": [{
    "id": 1,
    "name": "tsikEXL352R",
    "code": null,
    "phone": "",
    "fax": ""
  }
]
```

```
"registrationNumber": "N/A",
"taxAuthority": "-",
"businessActivity": "-",
"enableOrdering": true,
"email": "tsikEXL352R@test.gr",
"billToAccountId": null,
"type": null,
"industry": null,
"webSite": "",
"source": null,
"tradingName": "-",
"prorateBillingEnabled": false,
"prorateBillingDate": null,
"creditLimit": "Unlimited",
"partialChargesInvoicing": "0",
"separateInvoicesEnabled": true,
"enableReselling": true,
"description": "",
"isLead": false,
"autoInvoiceNotificationEnabled": false,
"isTaxable": true,
"paymentMethod": "Net 15",
"currency": "Euro",
"currencyCode": "978",
"addresses": [{
  "id": "f2dd886a-80d3-4a44-b801-d269dd80d208",
  "name": null,
  "address1": null,
  "address2": null,
  "city": null,
  "region": "Alabama",
  "postCode": null,
  "country": "United States",
  "countryCode": "US",
  "state": "Alabama",
  "stateCode": "AL",
  "isBilling": true
}], {
  "id": 2,
  "name": "tsikEXL352C",
  "code": null,
  "phone": "",
  "fax": null,
  "registrationNumber": null,
  "taxAuthority": null,
  "businessActivity": null,
  "enableOrdering": true,
  "email": "tsikEXL352C@test.gr",
  "billToAccountId": 1,
  "type": null,
  "industry": null,
  "webSite": null,
  "source": null,
  "tradingName": null,
  "prorateBillingEnabled": false,
  "prorateBillingDate": "",
  "creditLimit": "1500.0000000000",
  "partialChargesInvoicing": "OnOrderDay",
  "separateInvoicesEnabled": true,
  "enableReselling": false,
  "description": null,
  "isLead": false,
  "autoInvoiceNotificationEnabled": false,
  "isTaxable": true,
  "paymentMethod": null,
  "currency": "Euro",
  "currencyCode": "978",
  "addresses": []
}],
"paging": {
```

```

        "page": 1,
        "size": 25,
        "offset": 0,
        "totalCount": 2,
        "pageCount": 1
    },
    "links": {
        "self": {
            "uri": "http://<host_name>/api/Accounts?
page=1&size=25",
            "method": "GET",
            "headers": {
                "x-API-Version": "1"
            }
        },
        "first": {
            "uri": "http://<host_name>/api/Accounts?
page=1&size=25",
            "method": "GET",
            "headers": {
                "x-API-Version": "1"
            }
        },
        "last": {
            "uri": "http://<host_name>/api/Accounts?
page=1&size=25",
            "method": "GET",
            "headers": {
                "x-API-Version": "1"
            }
        },
        "next": null,
        "previous": null
    }
}

```

### Example 2 - With Parameters

Call example to get all accounts with custom fields.

```
GET: https://<host_name>/api/accounts/?include=customfields&page=1&size=2
```

### Response:

This API call will return all accounts with custom fields:

```

{
  "data": [{
    "id": 1,
    "name": "tsikEXL352R",
    "code": null,
    "phone": "",
    "fax": "",
    "registrationNumber": "N/A",
    "taxAuthority": "-",
    "businessActivity": "-",
    "enableOrdering": true,
    "email": "tsikEXL352R@test.gr",
    "billToAccountId": null,
    "type": null,
    "industry": null,
    "webSite": "",
    "source": null,
    "tradingName": "-",
    "prorateBillingEnabled": false,
    "prorateBillingDate": null,
    "creditLimit": "Unlimited",
  }
]
}

```

```

"partialChargesInvoicing": "0",
"separateInvoicesEnabled": true,
"enableReselling": true,
"description": "",
"isLead": false,
"autoInvoiceNotificationEnabled": false,
"isTaxable": true,
"paymentMethod": "Net 15",
"currency": "Euro",
"currencyCode": "978",
"addresses": [{
  "id": "f2dd886a-80d3-4a44-b801-d269dd80d208",
  "name": null,
  "address1": null,
  "address2": null,
  "city": null,
  "region": "Alabama",
  "postCode": null,
  "country": "United States",
  "countryCode": "US",
  "state": "Alabama",
  "stateCode": "AL",
  "isBilling": true
}],
"customFields": [{
  "id": 3,
  "name": "test",
  "group": {
    "id": 0,
    "name": "Additional Information"
  },
  "kind": "SimpleValue",
  "dataType": "Text",
  "required": false,
  "decimals": 0,
  "values": {
    "id": "",
    "value": ""
  },
  "readOnly": false,
  "apiField": "apitest"
}]
}, {
  "id": 2,
  "name": "tsikEXL352C",
  "code": null,
  "phone": "",
  "fax": null,
  "registrationNumber": null,
  "taxAuthority": null,
  "businessActivity": null,
  "enableOrdering": true,
  "email": "tsikEXL352C@test.gr",
  "billToAccountId": 1,
  "type": null,
  "industry": null,
  "webSite": null,
  "source": null,
  "tradingName": null,
  "prorateBillingEnabled": false,
  "prorateBillingDate": "",
  "creditLimit": "10.0000000000",
  "partialChargesInvoicing": "OnOrderDay",
  "separateInvoicesEnabled": true,
  "enableReselling": false,
  "description": null,
  "isLead": false,
  "autoInvoiceNotificationEnabled": false,
  "isTaxable": true,
  "paymentMethod": null,
  "currency": "Euro",

```



```

    "currencyCode": "978",
    "addresses": [],
    "customFields": [{
      "id": 3,
      "name": "test",
      "group": {
        "id": 0,
        "name": "Additional Information"
      },
      "kind": "SimpleValue",
      "dataType": "Text",
      "required": false,
      "decimals": 0,
      "values": {
        "id": "",
        "value": ""
      },
      "readOnly": false,
      "apiField": "apitest"
    }]
  },
  "paging": {
    "page": 1,
    "size": 2,
    "offset": 0,
    "totalCount": 16,
    "pageCount": 8
  },
  "links": {
    "self": {
      "uri": "http://<host_name>/api/Accounts?
include=customfields&page=1&size=2",
      "method": "GET",
      "headers": {
        "x-API-Version": "1"
      }
    },
    "first": {
      "uri": "http://<host_name>/api/Accounts?
include=customfields&page=1&size=2",
      "method": "GET",
      "headers": {
        "x-API-Version": "1"
      }
    },
    "last": {
      "uri": "http://<host_name>/api/Accounts?
include=customfields&page=8&size=2",
      "method": "GET",
      "headers": {
        "x-API-Version": "1"
      }
    },
    "next": {
      "uri": "http://<host_name>/api/Accounts?
include=customfields&page=2&size=2",
      "method": "GET",
      "headers": {
        "x-API-Version": "1"
      }
    },
    "previous": null
  }
}

```

### Get Account By Id

This API call returns an account by a given Id.

#### API Call:

```
GET: https://<host_name>/api/accounts/<account_id>/?include=<include_name>
```

**Parameters:**

Parameter	Description	Type	Constraints
account_id	The ID for the account	integer	required
include_name	The include parameter is used to include extra information about the account.  The only value that is supported right now is <b>customfields</b> . (default: empty string)	string	optional

**Call Examples:**

**Example 1 - Without Optional Parameter**

Call example to get information about account with id 4538.

```
GET: https://<host_name>/api/accounts/4538
```

**Response:**

This API call will return account information:

```

{
  "id": 1,
  "name": "tsikEXL352R",
  "code": null,
  "phone": "",
  "fax": "",
  "registrationNumber": "N/A",
  "taxAuthority": "-",
  "businessActivity": "-",
  "enableOrdering": true,
  "email": "tsikEXL352R@test.gr",
  "billToAccountId": null,
  "type": null,
  "industry": null,
  "webSite": "",
  "source": null,
  "tradingName": "-",
  "prorateBillingEnabled": false,
  "prorateBillingDate": null,
  "creditLimit": "Unlimited",
  "partialChargesInvoicing": "0",
  "separateInvoicesEnabled": true,
  "enableReselling": true,
  "description": "",
  "isLead": false,
  "autoInvoiceNotificationEnabled": false,
  "isTaxable": true,
  "paymentMethod": "Net 15",
  "currency": "Euro",
  "currencyCode": "978",
  "addresses": [{
    "id": "f2dd886a-80d3-4a44-b801-d269dd80d208",
    "name": null,
    "address1": null,
    "address2": null,
    "city": null,
    "region": "Alabama",
    "postCode": null,
    "country": "United States",
    "countryCode": "US",
    "state": "Alabama",
    "stateCode": "AL",
    "isBilling": true
  }]
}

```

#### **Example 2 - With Optional Parameter**

Call example to get information about account with id 4538 with any custom field that are available.

```
GET: https://<host_name>/api/accounts/4538/?include=customfields
```

#### **Response:**

This API call will return account information:

```

{
  "id": 1,
  "name": "tsikEXL352R",
  "code": null,
  "phone": "",
  "fax": "",
  "registrationNumber": "N/A",
  "taxAuthority": "-",
  "businessActivity": "-",
  "enableOrdering": true,
  "email": "tsikEXL352R@test.gr",
  "billToAccountId": null,
  "type": null,
  "industry": null,
  "webSite": "",
  "source": null,
  "tradingName": "-",
  "prorateBillingEnabled": false,
  "prorateBillingDate": null,
  "creditLimit": "Unlimited",
  "partialChargesInvoicing": "0",
  "separateInvoicesEnabled": true,
  "enableReselling": true,
  "description": "",
  "isLead": false,
  "autoInvoiceNotificationEnabled": false,
  "isTaxable": true,
  "paymentMethod": "Net 15",
  "currency": "Euro",
  "currencyCode": "978",
  "addresses": [{
    "id": "f2dd886a-80d3-4a44-b801-d269dd80d208",
    "name": null,
    "address1": null,
    "address2": null,
    "city": null,
    "region": "Alabama",
    "postCode": null,
    "country": "United States",
    "countryCode": "US",
    "state": "Alabama",
    "stateCode": "AL",
    "isBilling": true
  }],
  "customFields": [{
    "id": 3,
    "name": "test",
    "group": {
      "id": 0,
      "name": "Additional Information"
    },
    "kind": "SimpleValue",
    "dataType": "Text",
    "required": false,
    "decimals": 0,
    "values": {
      "id": "",
      "value": ""
    },
    "readOnly": false,
    "apiField": "apitest"
  }]
}

```

### Get Account Billing Options

This API call returns the billing options for a given account.

#### API Call:

```
GET: https://<host_name>/api/accounts/<account_id>/billingOptions
```

**Parameters:**

Parameter	Description	Type	Constraints
account_id	The ID for the account	integer	required

**Call Examples:**

Call example to get the billing options for the account with Id 94568.

```
GET: https://<host_name>/api/accounts/94568/billingOptions
```

**Response:**

This API call will return the billing options for the given account:

```
{
  "id":10,
  "name":"Billing API - Test Account",
  "accountingNo": "BILLAPTSTACC",
  "enableOrdering":true,
  "billToAccountId":0,
  "billToAccountName":null,
  "countryCode":"GR",
  "countryName":"Greece",
  "stateCode":"001",
  "stateName":"Chalkidiki",
  "currency":"Euro",
  "currencyCode":"978",
  "paymentMethod":"Bank Deposit",
  "taxAuthority":"Tax Authority 1",
  "tradingName":"Trading name 1",
  "businessActivity":"Business Activity 1",
  "registrationNumber":null,
  "autoInvoiceNotificationEnabled":false,
  "separateInvoicesEnabled":false,
  "enableReselling":false,
  "isTaxable":true,
  "isNetworkReseller":false,
  "prorateBillingEnabled":true,
  "prorateBillingDate":"FirstOrderDay",
  "creditLimit": "Unlimited",
  "partialChargesInvoicing":"OnOrderDay"
}
```

**Get Account Balance**

This API call returns the balance for a given account.

**API Call:**

```
GET: https://<host_name>/api/accounts/<account_id>/balance
```

**Parameters:**

Parameter	Description	Type	Constraints
account_id	The ID for the account	integer	required

**Call Examples:**

Call example to get the balance for the account with Id 94568.

```
GET: https://<host_name>/api/accounts/94568/balance
```

**Response:**

This API call will return the balance for the given account:

```
{
  "id":10,
  "balance":-60.480000000000004,
  "debitInvoicesTotal":84.52,
  "debitInvoicesCount":4,
  "creditInvoicesTotal":0.0,
  "creditInvoicesCount":0,
  "paymentsTotal":145.0,
  "paymentsCount":5,
  "refundsTotal":0.0,
  "refundsCount":0
}
```

## Get Account Billing Information

This API call returns the billing information for a given account.

**API Call:**

```
GET: https://<host_name>/api/accounts/<account_id>/billingInfo
```

**Parameters:**

Parameter	Description	Type	Constraints
account_id	The ID for the account	integer	required

**Call Examples:**

Call example to get the billing information for the account with Id 101976.

```
GET: https://<host_name>/api/accounts/101976/billingInfo
```

**Response:**

This API call will return the balance for the given account:

```
{
  "id":101976,
  "nextInvoiceDate":"2016-10-06T00:00:00+02:00",
  "lastInvoiceDate":"2016-10-03T00:00:00+02:00",
  "dueInvoiceAmount":4631.5000000000,
  "overduePayments":4631.5000000000,
  "balanceAmount":4631.5000000000,
  "annualSubscriptionValue":0.0,
  "monthlyRunRate":7440.000000,
  "activeSubscriptionsCount":62,
  "openCasesCount":0,
  "availableCredit":0.0
}
```

### Get Account Azure Subscriptions Estimated Amount

This API call returns Azure subscriptions estimated amount of a given account.

#### API Call:

```
GET: https://<host_name>/api/accounts/{account_code}/azure/subscriptions/estimate?page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
account_code	The account code	string	required
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the Azure subscriptions of the account with code TESTACC.

```
GET: https://<host_name>/api/accounts/TESTACC/azure/subscriptions/estimate
```

#### Response:

This API call will return a list of subscriptions:

```
[
  {
    "subscriptionId":"9bf3a7d3-145b-4b1e-ab99-0ee861559369",
    "accountId":157200,
    "estimatedAmount":118.3300000000
  }
]
```

### Get Account Custom Fields

This API call returns the custom fields for a given account.

#### API Call:

```
GET: https://<host_name>/api/accounts/<account_id>/customFields
```

#### Parameters:

Parameter	Description	Type	Constraints
account_id	The ID for the account	integer	required

**Call Examples:**

Call example to get the billing information for the account with Id 101976.

```
GET: https://<host_name>/api/accounts/101976/customFields
```

**Response:**

This API call will return the balance for the given account:



```
[
  {
    "id": 60139,
    "name": "MyCustomField",
    "group": {
      "id": 0,
      "name": "Additional Information"
    },
    "kind": "SimpleValue",
    "dataType": "Text",
    "required": false,
    "decimals": 0,
    "values": {
      "id": "",
      "value": ""
    },
    "readOnly": false,
    "apiField": "mycf"
  },
  {
    "id": 60140,
    "name": "MyCustomFieldList",
    "group": {
      "id": 0,
      "name": "Additional Information"
    },
    "kind": "List",
    "dataType": "Text",
    "required": false,
    "decimals": 0,
    "values": {
      "id": "",
      "value": ""
    },
    "readOnly": false,
    "apiField": "mycflist"
  },
  {
    "id": 60141,
    "name": "My Custom Field 1",
    "group": {
      "id": 9816,
      "name": "MyCustomGroup"
    },
    "kind": "ListMultiSelect",
    "dataType": "Text",
    "required": false,
    "decimals": 0,
    "values": {
      "id": "",
      "value": ""
    },
    "readOnly": false,
    "apiField": "mycf1"
  }
]
```

## Update Account

This API call updates the data of a given account.

### API Call:

```
PUT: https://<host_name>/api/accounts/
```

**PUT Parameters:****Required:**

Parameter	Description	Type
Id	The Id of the account	integer
Name	The name of the account	string

**Optional:**

Parameter	Description	Type
Code	The code of the account (accounting no.)	string
Phone	The phone of the account	string
Fax	The fax of the account	string
RegistrationNumber	The vat number of the account	string
TaxAuthority	The tax authority of the account	string
BusinessActivity	The BusinessActivity of the account	string
EnableOrdering	If the account is customer	boolean
Email	The email of the account	string
BillToAccountId	The id of the account for billing	integer
Type	The type of the account	string
Industry	The industry of the account	string
WebSite	The website of the account	string
Source	The source of the account	string
TradingName	The company name of the account	string
ProrateBillingEnabled	If prorated billing is enabled	boolean
ProrateBillingDate	Prorate billing date, can be "FirstMonthDay", "LastMonthDay", "FirstOrderDay" or "2-30"	string
CreditLimit	"Unlimited", 0 or amount of Credit Limit	string
PartialChargesInvoicing	If partial charges are enabled. Can be "OnBillingDay" or "OnOrderDay" .	string
SeparateInvoicesEnabled	If multiple invoices generation is enabled	boolean
EnableReselling	If the account is light reseller	boolean
Description	The description of the account	string
IsLead	The flag lead of the account	boolean
AutoInvoiceNotificationEnabled	If automatic invoice notification is enabled	boolean
IsTaxable	The flag is taxable of the account	boolean
PaymentMethod	The payment method of the account	string
Currency	The currency of the account	string
CurrencyCode	The currency code of the account	string
Address	The address of the account	object

CustomFields	The custom fields of the account	objects array
--------------	----------------------------------	---------------

**Address object:**

Parameter	Description	Type	Constraint
Id	The Id of the address	integer	optional
Name	The name of the address	string	optional
Address1	The first line of the address	string	optional
Address2	The second line of the address	string	optional
City	The city of the address	string	optional
Region	The region of the address	string	optional
PostCode	The postal code of the address	string	optional
Country	The country of the address	string	optional
CountryCode	The country code of the address	string	optional
State	The state of the address	string	optional
StateCode	The state code of the address	string	optional
IsBilling	The flag billing of the address	boolean	optional

**Custom field object:**

Parameter	Description	Type	Constraint
APIField	The special name of the field	string	optional
Value	The value of the field	string	optional

**Response:**

This API call will return OK (200) if the account was updated successfully.

**Create Account**

This API call creates an account with the given the data.

**API Call:**

```
POST: https://<host_name>/api/accounts/
```

**POST Parameters:**

**Required:**

Parameter	Description	Type
Name	The name of the account	string

**Optional:**

Parameter	Description	Type
Code	The code of the account (accounting no.)	string
Phone	The phone of the account	string
Fax	The fax of the account	string

RegistrationNumber	The vat number of the account	string
TaxAuthority	The tax authority of the account	string
BusinessActivity	The BusinessActivity of the account	string
EnableOrdering	If the account is customer	boolean
Email	The email of the account	string
BillToAccountId	The id of the account for billing	integer
Type	The type of the account	string
Industry	The industry of the account	string
WebSite	The website of the account	string
Source	The source of the account	string
TradingName	The company name of the account	string
ProrateBillingEnabled	If prorate billing is enabled	boolean
ProrateBillingDate	Prorate billing date, can be "FirstMonthDay", "LastMonthDay", "FirstOrderDay" or "2-30"	string
CreditLimit	"Unlimited", 0 or amount of Credit Limit	string
PartialChargesInvoicing	If partial charges are enabled. Can be "OnBillingDay" or "OnOrderDay" .	string
SeparateInvoicesEnabled	If multiple invoices generation is enabled	boolean
EnableReselling	If the account is light reseller	boolean
Description	The description of the account	string
IsLead	The flag lead of the account	boolean
AutoInvoiceNotificationEnabled	If automativ invoice notification is enabled	boolean
IsTaxable	The flag is taxable of the account	boolean
PaymentMethod	The payment method of the account	string
Currency	The currency of the account	string
CurrencyCode	The currency code of the account	string

Address	The address of the account	structure
CustomFields	The custom fields of the account	array

**Address structure:**

Parameter	Description	Type	Constraint
Id	The Id of the address	integer	optional
Name	The name of the address	string	optional
Address1	The first line of the address	string	optional
Address2	The second line of the address	string	optional
City	The city of the address	string	optional
Region	The region of the address	string	optional
PostCode	The postal code of the address	string	optional
Country	The country of the address	string	optional
CountryCode	The country code of the address	string	optional
State	The state of the address	string	optional
StateCode	The state code of the address	string	optional
IsBilling	The flag billing of the address	boolean	optional

**Address structure:**

**Custom field structure:**

Parameter	Description	Type	Constraint
APIField	The special name of the field	string	optional
Value	The value of the field	string	optional

**Response:**

This API call will return 200 if the account was created successfully, the account id is returned as well.

**Generate Invoices by Account Name**

This API generates all invoices for a given account name.

**API Call:**

```
GET: https://<host_name>/api/accounts/{accountName}/invoices/generate
```

**Parameters:**

Parameter	Description	Type	Constraints
accountName	The name of the account for generating the invoices	string	required

**Call Examples:**

Call example to generate the invoices for an account name "Company Name".

GET: https://<host\_name>/api/accounts/Company Name/invoices/generate

**Response:**

This API call will return OK (200) if the invoices were generated successfully.

**Save Account Synchronization Options**

This API call sets the synchronization options of a given account for specific external system.

**API Call:**

POST:https://<host\_name>/api/accounts/{account\_id}/syncoptions/

**Parameters**

Parameter	Description	Type	Constraints
accountId	the id of the account to set synchronization options	int	required
SystemCode	the code of the external system (e.g. OSS, WSP)	string	required
SystemName	the name of the external system	string	required
CustomFields	the list of custom fields	List<CustomField>	required

**Custom Field**

**Parameters**

Parameter	Description	Type	Constraints
APIField	The special name of the field	string	required
Value	The value of the field	string	required

**Response:**

This API call will return status OK if the synchronization options of the specific account were saved successfully.

**Get Account External Id**

This API call gets the id of the external value

**API Call:**

GET: https://<host\_name>/api/accounts/<account\_id>/externalSystemName /<external\_system\_name>

**Parameters**

Parameter	Description	Type	Constraints
accountId	the id of the account related to the external system	int	required
externalSystemName	the name of the external system	string	required

**Call Examples:**

Call example to get the id of the external system value:

GET: https://<host\_name>/api/accounts/2716/externalSystemName/WebSitePanel

## Set Account External Id

This API call sets the data to external system

### API Call:

```
POST:https://<host_name>/api/accounts/<account_id>/externalsystem/
```

### Parameters

Parameter	Description	Type	Constraints
accountId	the id of the account related to the external system	int	required
systemName	external system name	string	required
externalId	the id to the external system	string	required

### Response:

This API call will return OK (200) if the data saved successfully to the external system.

## Payments

### Get Payments By Account Name

This API call returns the payments for an account name.

### API Call:

```
GET: https://<host_name>/api/payments/accounts/{accountName}/?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
accountName	The name of the account	string	required
column_name	The column name for ordering the results (default: paymentDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Examples:

Call example to get all the payments of an account name "Popoy".

```
GET: https://<host_name>/api/payments/accounts/Popoy/
```

### Response:

This API call will return a list of payments:

```
[
  {
    "id": "2332ce4b-5882-4495-ac75-35ab9c2a3d5a",
    "code": null,
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "type": "Cash",
    "date": "2016-01-14T00:00:00+02:00",
    "amount": 99.0000000000,
    "transactionFee": 0.9900000000,
    "chequeNo": null,
    "chequePayTo": null,
    "chequeBank": null,
    "paymentGateway": null,
    "creditCardId": null,
    "transactionId": "tID",
    "status": "Completed",
    "transactionStatus": 2,
    "transactionComments": null,
    "comments": "",
    "createdDate": "2016-01-14T15:45:14.04+00:00",
    "updatedDate": "2016-01-14T15:45:14.04+00:00"
  }
]
```

## Get Payments By Payment Type

This API call returns the payments for a payment type.

### API Call:

```
GET: https://<host_name>/api/payments/?
paymentType=<payment_type>&sort=<column_name>&order=<order_direction>&page=<pa
```

### Parameters:

Parameter	Description	Type	Constraints
payment_type	The payment type of the payment (e.g. Cash)	string	required
column_name	The column name for ordering the results (default: paymentDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Examples:

Call example to get all the payments of a payment type "cash"

```
GET: https://<host_name>/api/payments/?paymentType=Cash
```

### Response:

This API call will return a list of payments:



```
[
  {
    "id": "2332ce4b-5882-4495-ac75-35ab9c2a3d5a",
    "code": null,
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "type": "Cash",
    "date": "2016-01-14T00:00:00+02:00",
    "amount": 99.0000000000,
    "transactionFee": 0.9900000000,
    "chequeNo": null,
    "chequePayTo": null,
    "chequeBank": null,
    "paymentGateway": null,
    "creditCardId": null,
    "transactionId": "tID",
    "status": "Completed",
    "transactionStatus": 2,
    "transactionComments": null,
    "comments": "",
    "createdDate": "2016-01-14T15:45:14.04+00:00",
    "updatedDate": "2016-01-14T15:45:14.04+00:00"
  }
]
```

### Get Payments By Create Date

This API call returns the payments for a given create date.

#### API Call:

```
GET: https://<host_name>/api/payments/?
createdDate=<created_date>&sort=<column_name>&order=<order_direction>&page=<pa
```

#### Parameters:

Parameter	Description	Type	Constraints
created_date	The create date of the payment	string	required
column_name	The column name for ordering the results (default: paymentDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Examples:

Call example to get all the payments which were created at 14/01/2016.

```
GET: https://<host_name>/api/payments/?createdDate=2016-01-14
```

#### Response:

This API call will return a list of payments:

```
[
  {
    "id": "2332ce4b-5882-4495-ac75-35ab9c2a3d5a",
    "code": null,
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "type": "Cash",
    "date": "2016-01-14T00:00:00+02:00",
    "amount": 99.0000000000,
    "transactionFee": 0.9900000000,
    "chequeNo": null,
    "chequePayTo": null,
    "chequeBank": null,
    "paymentGateway": null,
    "creditCardId": null,
    "transactionId": "tID",
    "status": "Completed",
    "transactionStatus": 2,
    "transactionComments": null,
    "comments": "",
    "createdDate": "2016-01-14T15:45:14.04+00:00",
    "updatedDate": "2016-01-14T15:45:14.04+00:00"
  }
]
```

## Get Payments By Status

This API call returns the payments for a given status.

### API Call:

```
GET: https://<host_name>/api/payments/status/<status>?
sort=<column_name>&order=<order_direction>&page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
status	The status of the payment (canceled or l, pending or p and completed or c)	string	required
column_name	The column name for ordering the results (default: paymentDate)	string	optional
order_direction	The order direction for the ordered results (asc,desc, default: asc)	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Examples:

Call example to get all the payments which have status "completed".

```
GET: https://<host_name>/api/payments/status/completed
```

### Response:

This API call will return a list of payments:

```
[
  {
    "id": "2332ce4b-5882-4495-ac75-35ab9c2a3d5a",
    "code": null,
    "accountId": 10,
    "accountName": "Billing API - Test Account",
    "type": "Cash",
    "date": "2016-01-14T00:00:00+02:00",
    "amount": 99.0000000000,
    "transactionFee": 0.9900000000,
    "chequeNo": null,
    "chequePayTo": null,
    "chequeBank": null,
    "paymentGateway": null,
    "creditCardId": null,
    "transactionId": "tID",
    "status": "Completed",
    "transactionStatus": 2,
    "transactionComments": null,
    "comments": "",
    "createdDate": "2016-01-14T15:45:14.04+00:00",
    "updatedDate": "2016-01-14T15:45:14.04+00:00"
  }
]
```

### Add Payment

This API call adds a payment with the given data.

#### APICall:

POST: [https://<host\\_name>/api/payments/add](https://<host_name>/api/payments/add)

#### POST Parameters:

### Required:

Parameter	Description	Type
AccountId	The Id of the account	string
InvoiceId	The invoice id of the payment	string
PaymentMethod	The method of the payment	string
PaymentDate	The date of the payment	string
DueDate	The due date of the payment	string
Amount	The amount of the payment	string
TransactionFee	The transaction fee of the payment	string
ChequeNo	The cheque number of the payment	string
ChequePayTo	The pay to of the payment	string
ChequeBank	The bank name of the payment	string
TransactionId	The transaction ID of the payment	string
ResponsibleUser	The responsible user of the payment	string
Comments	The comments of the payment	string

#### Response:

This API call will return OK (200) if the payment was added successfully.

## Batch Import of Payments

This API call adds a set of payments with the given data.

### API Call:

```
POST: https://<host_name>/api/payments/import
```

### POST Parameters:

A collection of payments with the following structure:

#### Required:

Parameter	Description	Type
AccountId	The Id of the account	string
InvoiceId	The invoice id of the payment	string
PaymentMethod	The method of the payment	string
PaymentDate	The date of the payment	string
DueDate	The due date of the payment	string
Amount	The amount of the payment	string
TransactionFee	The transaction fee of the payment	string
ChequeNo	The cheque number of the payment	string
ChequePayTo	The pay to of the payment	string
ChequeBank	The bank name of the payment	string
TransactionId	The transaction ID of the payment	string
ResponsibleUser	The responsible user of the payment	string
Comments	The comments of the payment	string

#### Response:

This API call will return OK (200) if the payments were imported successfully or a <list of failed payments> if one or more of the payments fails, the response is a collection with the failed payments.

## Contacts

### Create Contact

This API call creates a new contact

#### API Call:

```
POST: https://<host_name>/api/contacts/
```

#### POST Parameters:

#### Required:

Parameter	Description	Type
LastName	contact's last name	string

Email	contact's email	string
-------	-----------------	--------

**Optional:**

Parameter	Description	Type
AccountId	related account id	int
FirstName	contact's first name	string
Phone	contact's phone	string
MobilePhone	contact's mobile phone	string
IsPrimary	contact is account's primary contact	bool
IsBillTo	set contact to be the billing entity	bool
IsStorefrontUser	enable storefront access for contact	bool
Password	set storefront user password. Random generation triggered while empty.	string
Language	set storefront user language (e.g. EN, GR)	string
DateFormat	set storefront user date format(e.g. mm/dd/yyyy)	string

**Response:**

This API call will return 200 if the contact was created successfully, the contact id is returned as well.

**Update Contact**

This API call updates an existing contact

**API Call:**

**PUT:** [https://<host\\_name>/api/contacts/](https://<host_name>/api/contacts/)

**PUT Parameters:**

**Required:**

Parameter	Description	Type
ContactId	ID of the contact	int
LastName	contact's last name	string
Email	contact's email	string

**Optional:**

Parameter	Description	Type
AccountId	related account id	int
FirstName	contact's first name	string
Phone	contact's phone	string
MobilePhone	contact's mobile phone	string
IsPrimary	contact is account's primary contact	bool
IsBillTo	set contact to be the billing entity	bool
IsStorefrontUser	enable storefront access for contact	bool
Password	set storefront user password. Random generation triggered while empty.	string
Language	set storefront user language (e.g. EN, GR)	string
DateFormat	set storefront user date format(e.g. mm/dd/yyyy)	string

**Response:**

This API call will return 200 if the contact was updated successfully, the contact id is returned as well.

## Subscriptions

### Create Subscription

This API call creates a new subscription

**API Call:**

POST: [https://<host\\_name>/api/subscriptions/](https://<host_name>/api/subscriptions/)

**POST Parameters**

**Required:**

Parameter	Description	Type
StartDate	start date of subscription	DateTimeOffset
Account	account id	object
BillingAccount	billing account id	object
Quantity	product quantity	integer
ProductId	subscription's product	Guid

**Optional:**

Parameter	Description	Type
Name	subscription name	string
EffectiveDate	effective date of subscriptions	DateTimeOffset
Stage	subscription status	LeaseStage
AutoRenew	subscription is autorenew	bool
IsTrial	trial subscription.	bool
ContactId	contact id	int
ExpirationNotice	expiration notice date of the subscription	int
BillingOption	billing option of the subscription. True On Subscription Start and false On Subscription End	bool
Unit	product unit id	string
DataMigration	prevent provisioning	bool

### Add Addon To Subscription

This API call adds addon to existing subscription

**API Call:**

POST: [https://<host\\_name>/api/<subscriptionId>/addon](https://<host_name>/api/<subscriptionId>/addon)

**POST Parameters:**

**Required:**

Parameter	Description	Type
-----------	-------------	------

SubscriptionId	The id of the subscription to add addon	string
AddonId	The id of the addon	string
SignupDate	activation date	string
Quantity	addon quantity	int
Unit	addon unit name (e.g. "Month")	string

**Response:**

This API call will return 200 if the addon was added successfully to the subscription provided.

**Get Azure Subscription Usage Records**

This API call returns the usage records of a given Azure subscription.

**API Call:**

```
GET: https://<host_name>/api/subscriptions/{subscription_id}
/azureusagerecords?
startDate=<start_date>&endDate=<end_date>&page=<page_number>&size=<page_size>
```

**Parameters:**

Parameter	Description	Type	Constraints
subscription_id	The unique ID of the subscription	string	required
start_date	Start date of the period for the usage records	date	required
end_date	End date of the period for the usage records	date	required
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Examples:**

Call example to get all the usage records for the subscription id between 01/01/2016 and 31/01/2016.

```
GET: https://<host_name>/api/subscriptions/9bf3a7d3-145b-4b1e-ab99-
0ee861559369/azureusagerecords?startDate=2016-01-09&endDate=2016-01-31
```


**Response:**

This API call will return a list of subscription's usage records:

```
[
  {
    "meterName": "movedandnewdiag530 - Standard IO - Block Blob Write
Operation Units (in 10,000s)",
    "meterCategory": "Data Management",
    "meterSubCategory": "",
    "meterRegion": "",
    "unit": "10,000s",
    "resourceGroup": "MOVEDANDNEW",
    "totalQuantity": 0.7373000000,
    "resourceName": "movedandnewdiag530"
  }
]
```

**Get Subscriptions By Status**

This API call returns the subscriptions of a given status and optionally of an account with a given Id.

 This API call is not supported in previous versions

#### **API Call:**

```
GET: https://<host_name>/api/subscriptions/?status=<status>&account
Id=<account_id>&include=<include_name>&
page=<page_number>&size=<page_size>
```

#### **Parameters:**

Parameter	Description	Type	Constraint
status	The status of the subscription (valid values: active, inactive, suspended, cancelled, pendingCancellation). More than one values may be passed, comma separated.	string	required
accountId	The subscription account Id (default: 0)	int	optional
include	The include parameter is used to include extra information about the subscription.  The only value that is supported right now is <b>addons</b> . (default: empty string)	string	optional
page	The number of the page to be displayed (default: 1)	int	optional
size	The number of items per page (default: 25)	int	optional

#### **Call Example:**

Call example to get all the subscriptions with status 'active' or 'suspended' for account with accountId=171155, including subscription's addons.

```
GET: https://<host_name>/api/subscriptions/?status=active,
suspended&accountId=171155&include=addons
```

#### **Response:**

This API call will return 200 if subscriptions were found, with a list of subscriptions as well:



```
[
  {
    "id": "a0aa4060-2f14-4bed-93b4-78a93438b983",
    "externalId": "/c330bfe0-c146-44ca-9321-91c4354b5b4b/subscriptions
/2def95a2-9b03-46ea-9214-76c9ade5d660",
    "name": "QADimiP4 - MS Office Business Essentials",
    "startDate": "2017-02-07T00:00:00+02:00",
    "endDate": "2017-02-28T23:59:00+02:00",
    "activationDate": "2017-02-07T00:00:00+02:00",
    "createdDate": "2017-02-07T14:54:16.223+02:00",
    "status": "",
    "quantity": 1,
    "unit": "Month",
    "isTrial": false,
    "billingOption": "OnSubscriptionStart",
    "description": "",
    "isRenewAutomatically": true,
    "account": {
      "id": 171155,
      "externalId": "2494f156-49e0-41ef-bb4a-db87d0c40cc5",
      "name": "QADimiP4",
      "code": null
    },
    "billingAccount": { },
    "contact": { },
    "product": {
      "id": "940407a2-3560-45d3-944e-d4ddc632825c",
      "code": "0365",
      "name": "MS Office Business Essentials"
    },
    "addons": [
      {
        "subscriptionId": "a0aa4060-2f14-4bed-93b4-78a93438b983",
        "id": "0bf32d80-926b-461a-aa09-24665d6692fa",
        "externalId": "/c330bfe0-c146-44ca-9321-91c4354b5b4b
/subscriptions/f2cba469-1d2b-4e6e-b25c-ff5df357b7ad",
        "activationDate": "2017-02-07T00:00:00+02:00",
        "quantity": 1,
        "unit": "Month",
        "isActive": true,
        "comments": "",
        "product": {
          "id": "db7530fb-2012-4300-b9db-1d4d55d965d6",
          "code": "ExchangeAddon001",
          "name": "Exchange Addon 1"
        }
      }
    ]
  }
]
```

## Get Active Addons By Subscription Id

This API call returns the active addons of a subscription with given subscription id.

### API Call:

```
GET: https://<host_name>/api/subscriptions/{subscription_id}/addons/?
page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraint
subscriptionId	The subscription Id	guid	required
page	The number of the page to be displayed (default: 1)	int	optional

size	The number of items per page (default: 25)	int	optional
------	--	-----	----------

### **Call Example:**

Call example to get the active addons for the subscription with subscriptionId=a0aa4060-2f14-4bed-93b4-78a93438b983.

```
GET: https://<host_name>/api/subscriptions/a0aa4060-2f14-4bed-93b4-78a93438b983/addons/
```

### **Response:**

This API call will return 200 if addons were found, with a list of addons as well:

```
[
  {
    "subscriptionId": "a0aa4060-2f14-4bed-93b4-78a93438b983",
    "id": "0bf32d80-926b-461a-aa09-24665d6692fa",
    "externalId": "/c330bfe0-c146-44ca-9321-91c4354b5b4b/subscriptions/f2cba469-1d2b-4e6e-b25c-ff5df357b7ad",
    "activationDate": "2017-02-07T00:00:00+02:00",
    "quantity": 1,
    "unit": "Month",
    "isActive": true,
    "comments": "",
    "product": {
      "id": "db7530fb-2012-4300-b9db-1d4d55d965d6",
      "code": "ExchangeAddon001",
      "name": "Exchange Addon 1"
    }
  }
]
```

## **Product**

### **Get Product By Product Name**

This API call returns a product by name

#### **API Call:**

```
GET: https://<host_name>/api/products/<product_name>
```

#### **Parameters:**

Parameter	Description	Type
productName	the name of the product	string

#### **Response:**

This API call will return 200 if the product was found, the product is returned as well.

#### **Call Example:**

```
GET: https://<host_name>/api/products/BSS1192 - Main Product
```

## **Orders**

### **Get Order Details by Order Code**

This API call returns the details of an order by the order code

#### **API Call:**

GET:https://<host\_name>/api/orders/<order\_code>

**Parameters**

Parameter	Description	Type	Constraints
orderCode	the order code	string	required

**Call Example:**

Call example to get the order with code 002304

GET: https://<host\_name>/api/orders/002304

**Response:**

This API call will return the details of the order:

```
{
  "id": "3c9457d7-e4bb-494e-af8a-5ebdc695081e",
  "name": "Dama - 002304",
  "code": "002304",
  "status": " Storefront",
  "paymentMethod": "Cash",
  "orderDate": "2016-03-02T00:00:00+02:00",
  "deliveryDate": null,
  "totalPrice": 22.0000000000,
  "accountId": 147426,
  "accountName": "Dama",
  "billingAccountId": 147426,
  "billingAccountName": "Dama",
  "contactId": 0,
  "contactName": null,
  "shippingMethod": null,
  "pricelistId": 0,
  "pricelistName": null,
  "contractId": 0,
  "contractName": null,
  "campaignId": 0,
  "campaignName": null,
  "createdDate": "2016-03-02T14:41:41.217+00:00",
  "lastUpdatedDate": "2016-03-02T14:41:42.177+00:00",
  "createdUserId": 5244,
  "lastUpdatedUserId": 5244,
  "responsibleUserId": 5244,
  "responsibleUser": "Morocco Morocco",
  "salesUserId": 5244,
  "salesUser": "Morocco Morocco",
  "parentId": null,
  "isInvoiced": true,
  "discount": 0.0000000000,
  "discountType": "Percent"
}
```

**Get Order Items by Order Code**

This API call returns the items of an order by order code

**API Call:**

GET:https://<host\_name>/api/orders/<order\_code>/OrderItems

**Parameters:**

Parameter	Description	Type	Constraints
-----------	-------------	------	-------------

orderCode	the order code	string	required
-----------	----------------	--------	----------

**Call Example:**

GET: [https://<host\\_name>/api/orders/002304/OrderItems](https://<host_name>/api/orders/002304/OrderItems)

**Response:**

This API call will returns the items of the order with code 002304

```
[
  {
    "id": "8e54e9b8-0863-4842-abef-66fddb39c8f8",
    "orderId": "3c9457d7-e4bb-494e-af8a-5ebdc695081e",
    "productId": "5ce75335-636d-409a-93e6-508826837b23",
    "position": 1,
    "price": 10.0000000000,
    "discount": 0.0000000000,
    "discountType": "Percent",
    "finalPrice": 10.0000000000,
    "basePrice": 10.0000000000,
    "unitId": "eb0ab5a1-9da0-4586-86bb-16b236b43cc8",
    "unitName": "",
    "description": "Copy Of : TotalTrialTest",
    "quantity": 1,
    "unitOfMeasure": null,
    "pricelistId": 0,
    "pricelistName": null,
    "contractId": 0,
    "contractName": null,
    "tax": null,
    "promotionId": null,
    "promotionName": null,
    "promotionDiscount": 0.0,
    "promotionDiscountType": "Amount",
    "discountListId": 0,
    "createdUserId": 5244,
    "lastUpdatedUserId": 5244,
    "parentId": null,
    "leaseId": "92ce5347-2ec2-431e-8c8e-82aa0a82cde0",
    "relatedItemId": null,
    "itemType": "TRIAL",
    "billingOption": "OnSubscriptionStart",
    "isUserPrice": false,
    "isInvoiced": true,
    "comments": null
  },
  {
    "id": "048a89d2-fe27-416b-a646-17421915a4c0",
    "orderId": "3c9457d7-e4bb-494e-af8a-5ebdc695081e",
    "productId": "5ce75335-636d-409a-93e6-508826837b23",
    "position": 2,
    "price": 10.0000000000,
    "discount": 0.0,
    "discountType": "Percent",
    "finalPrice": 10.0000000000,
    "basePrice": 10.0000000000,
    "unitId": "6b1d68ba-blf8-417a-84c8-1055ccd45d6b",
    "unitName": "SetupFee",
    "description": "Copy Of : TotalTrialTest",
    "quantity": 1,
    "unitOfMeasure": null,
    "pricelistId": 0,
    "pricelistName": null,
    "contractId": 0,
    "contractName": null,
    "tax": null,
  }
]
```

```

    "promotionId": null,
    "promotionName": null,
    "promotionDiscount": 0.0,
    "promotionDiscountType": "Amount",
    "discountListId": 0,
    "createdUserId": 5244,
    "lastUpdatedUserId": 5244,
    "parentId": null,
    "leaseId": null,
    "relatedItemId": "8e54e9b8-0863-4842-abef-66fddb39c8f8",
    "itemType": "SETUP FEE",
    "billingOption": "OnSubscriptionStart",
    "isUserPrice": false,
    "isInvoiced": true,
    "comments": null
  }
]

```

## System

### Get Invoice Types

This API call returns the invoice types

#### API Call:

```
GET: https://<host_name>/api/system/invoiceTypes?page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Example:

```
GET: https://<host_name>/api/system/invoiceTypes
```

#### Response:

```

[
  {
    "id": 8481,
    "name": "Credit",
    "type": "Credit Invoice",
    "active": true,
    "default": false
  },
  {
    "id": 8482,
    "name": "Debit",
    "type": "Debit Invoice",
    "active": true,
    "default": false
  }
]

```

### Get Invoice Statuses

This API call returns the invoice statuses

**API Call:**

```
GET:https://<host_name>/api/system/invoiceStatuses?
page=<page_number>&size=<page_size>
```

**Parameters:**

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Example:**

```
GET: https://<host_name>/api/system/invoiceStatuses
```

**Response:**

```
[
  {
    "id": 12638,
    "name": "Paid",
    "type": "Paid",
    "active": true,
    "default": false
  },
  {
    "id": 12639,
    "name": "Cancelled",
    "type": "Canceled",
    "active": true,
    "default": false
  },
  {
    "id": 12640,
    "name": "Unpaid",
    "type": "Unpaid",
    "active": true,
    "default": false
  }
]
```

**Get System Countries**

This API call returns the system countries

**API Call:**

```
GET:https://<host_name>/api/system/countries?page=<page_number>&size=<page_size>
```

**Parameters:**

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Example:**

```
GET: https://<host_name>/api/system/countries
```

**Response:**

```
[  
  {  
    "id": 1,  
    "code": "AD",  
    "name": "Andorra"  
  },  
  {  
    "id": 2,  
    "code": "AE",  
    "name": "United Arab Emirates"  
  },  
  {  
    "id": 3,  
    "code": "AF",  
    "name": "Afghanistan"  
  },  
  {  
    "id": 4,  
    "code": "AG",  
    "name": "Antigua and Barbuda"  
  },  
  {  
    "id": 5,  
    "code": "AI",  
    "name": "Anguilla"  
  }...  
]
```

**Get System Country States**

This API call returns the system country states

**API Call:**

```
GET: https://<host_name>/api/system/countryStates?  
page=<page_number>&size=<page_size>
```

**Parameters:**

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

**Call Example:**

```
GET: https://<host_name>/api/system/countryStates
```

**Response:**

```
[
  {
    "id": 70,
    "countryId": 88,
    "code": "",
    "name": "Aetolia-Acarmania"
  },
  {
    "id": 71,
    "countryId": 88,
    "code": "",
    "name": "Larissa"
  },
  {
    "id": 72,
    "countryId": 88,
    "code": "",
    "name": "Ioannina"
  },
  {
    "id": 73,
    "countryId": 88,
    "code": "",
    "name": "Phthiotis"
  }
  ...
]
```

## Organization

### Get Organization Countries

This API call returns the available organization countries.

#### API Call:

```
GET:https://<host_name>/api/organization/countries?
page=<page_number>&size=<page_size>
```

#### Parameters:

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Example:

```
GET: https://<host_name>/api/
organization/countries
```

#### Response:



```
[
  {
    "active": true,
    "default": true,
    "position": 1,
    "id": 32,
    "code": "BS",
    "name": "Bahamas"
  },
  {
    "active": true,
    "default": false,
    "position": 3,
    "id": 76,
    "code": "GB",
    "name": "United Kingdom"
  },
  {
    "active": true,
    "default": false,
    "position": 2,
    "id": 88,
    "code": "GR",
    "name": "Greece"
  },
  {
    "active": true,
    "default": false,
    "position": 4,
    "id": 230,
    "code": "US",
    "name": "United States"
  }
]
```

## Get Organization Country States

This API call returns the available organization country States.

### API Call:

```
GET:https://<host_name>/api/organization/countryStates?
page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Example:

```
GET: https://<host_name>/api/organization/
countryStates
```

### Response:

```
[
  {
    "active": true,
    "position": 1,
    "id": 167755,
    "countryId": 0,
    "code": "",
    "name": "Achaea"
  },
  {
    "active": true,
    "position": 2,
    "id": 167756,
    "countryId": 0,
    "code": "",
    "name": "Aetolia-Acarmania"
  }...
]
```

## Get Organization Taxes

This API call returns the available organization taxes.

### API Call:

```
GET: https://<host_name>/api/organization/taxes?page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Example:

### Call Example:

```
GET: https://<host_name>/api/organization/taxes
```

### Response:

```
[
  {
    "id": 13515,
    "name": "ForALL",
    "displayName": null,
    "active": true,
    "excludeEU": false
  },
  {
    "id": 13520,
    "name": "ForAll2",
    "displayName": null,
    "active": true,
    "excludeEU": false
  },
  {
    "id": 13522,
    "name": "Tax3",
    "displayName": null,
    "active": true,
    "excludeEU": false
  },
  {
    "id": 13523,
    "name": "Tax4",
    "displayName": null,
    "active": true,
    "excludeEU": false
  }
]
```

## Get Organization Tax Rules

This API call returns the available organization tax rules for a given tax.

### API Call:

```
GET:https://<host_name>/api/organization/taxes/<tax_id>/rules?
page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
taxId	the id of the tax	integer	required
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Example:

```
GET: https://<host_name>/api/organization/taxes/13523/rules
```

### Response:

---

```

[
  {
    "id": 12245,
    "rate": 55.5555,
    "tax": {
      "id": 13523,
      "name": "Tax4",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [],
    "productTypes": []
  },
  {
    "id": 12246,
    "rate": 50,
    "tax": {
      "id": 13523,
      "name": "Tax4",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [
      {
        "country": {
          "id": 88,
          "code": "GR",
          "name": "Greece"
        },
        "state": null
      },
      {
        "country": {
          "id": 230,
          "code": "US",
          "name": "United States"
        },
        "state": null
      }
    ],
    "productTypes": [
      {
        "productType": {
          "id": "80b08a2a-920b-482a-bc00-a19396594559",
          "name": "Cloud Databases"
        }
      },
      {
        "productType": {
          "id": "38d5b02f-0ed4-4274-ac80-74a656e42a6b",
          "name": "DNS"
        }
      }
    ]
  },
  {
    "id": 12247,
    "rate": 9,
    "tax": {
      "id": 13523,
      "name": "Tax4",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [
      {
        "country": {
          "id": 88,

```

```

        "code": "GR",
        "name": "Greece"
    },
    "state": {
        "id": 167755,
        "countryId": 88,
        "code": "",
        "name": "Achaea"
    }
},
{
    "country": {
        "id": 88,
        "code": "GR",
        "name": "Greece"
    },
    "state": {
        "id": 167762,
        "countryId": 88,
        "code": "",
        "name": "Chalkidiki"
    }
},
{
    "country": {
        "id": 88,
        "code": "GR",
        "name": "Greece"
    },
    "state": {
        "id": 167763,
        "countryId": 88,
        "code": "",
        "name": "Chania"
    }
}
],
"productTypes": []
}
]

```

### Get Organization Tax Rules By Country, State and/or Product Type

This API call returns the available organization tax rules filtered by country, state and/or product type.

#### API Call:

```

GET:https://<host_name>/api/organization/taxRules?
country=<country_code>&state=<state_name>&productTypeId=<product_type_id>&
page=<page_number>&size=<page_size>

```

#### Parameters:

At least one of the following parameters should be provided in the API call URL in order to get results.

Parameter	Description	Type	Constraints
countryCode	the code of the country	string	optional
stateName	the name of the country state	string	optional
productTypeId	the id of the product type	string	optional
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Example:

GET: [https://<host\\_name>/api/organization/taxRules?country=gr](https://<host_name>/api/organization/taxRules?country=gr)

## **Response:**

```
[
  {
    "id": 12237,
    "rate": 10,
    "tax": {
      "id": 13515,
      "name": "ForALL",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [],
    "productTypes": []
  },
  {
    "id": 12242,
    "rate": 5,
    "tax": {
      "id": 13520,
      "name": "ForAll12",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [],
    "productTypes": []
  },
  {
    "id": 12244,
    "rate": 20.555,
    "tax": {
      "id": 13522,
      "name": "Tax3",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [
      {
        "country": {
          "id": 88,
          "code": "GR",
          "name": "Greece"
        },
        "state": null
      }
    ],
    "productTypes": []
  },
  {
    "id": 12245,
    "rate": 55.5555,
    "tax": {
      "id": 13523,
      "name": "Tax4",
      "displayName": null,
      "active": true,
      "excludeEU": false
    },
    "regions": [],
    "productTypes": []
  },
  {
    "id": 12246,
```

```

"rate": 50,
"tax": {
  "id": 13523,
  "name": "Tax4",
  "displayName": null,
  "active": true,
  "excludeEU": false
},
"regions": [
  {
    "country": {
      "id": 88,
      "code": "GR",
      "name": "Greece"
    },
    "state": null
  },
  {
    "country": {
      "id": 230,
      "code": "US",
      "name": "United States"
    },
    "state": null
  }
],
"productTypes": [
  {
    "productType": {
      "id": "80b08a2a-920b-482a-bc00-a19396594559",
      "name": "Cloud Databases"
    }
  },
  {
    "productType": {
      "id": "38d5b02f-0ed4-4274-ac80-74a656e42a6b",
      "name": "DNS"
    }
  }
]
},
{
  "id": 12247,
  "rate": 9,
  "tax": {
    "id": 13523,
    "name": "Tax4",
    "displayName": null,
    "active": true,
    "excludeEU": false
  },
  "regions": [
    {
      "country": {
        "id": 88,
        "code": "GR",
        "name": "Greece"
      },
      "state": {
        "id": 167755,
        "countryId": 88,
        "code": "",
        "name": "Achaea"
      }
    },
    {
      "country": {
        "id": 88,
        "code": "GR",
        "name": "Greece"
      },
    }
  ],

```

```

        "state": {
            "id": 167762,
            "countryId": 88,
            "code": "",
            "name": "Chalkidiki"
        },
        {
            "country": {
                "id": 88,
                "code": "GR",
                "name": "Greece"
            },
            "state": {
                "id": 167763,
                "countryId": 88,
                "code": "",
                "name": "Chania"
            }
        }
    ],
    "productTypes": []
}
]

```

## Get Organization Payment Methods

This API call returns the available organization payment methods.

### API Call:

```

GET: https://<host_name>/api/organization/paymentMethods?
page=<page_number>&size=<page_size>

```

### Parameters:

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

## Call Example:

```

GET: https://<host_name>/api/organization/
paymentMethods

```

### Response:

```

[
  {
    "id": "86adfdf1-8b5d-4ceb-aebb-a070d2073f2f",
    "name": "Cash",
    "position": 1,
    "type": "Check",
    "active": true,
    "default": false,
    "erpName": null,
    "payDays": 0,
    "gateway": null
  }
]

```



```
},
{
  "id": "5f4043f5-b21c-424a-b4d3-ac848b6e4134",
  "name": "Credit Card",
  "position": 2,
  "type": "Credit Card",
  "active": true,
  "default": false,
  "erpName": null,
  "payDays": 0,
  "gateway": {
    "id": 9,
    "name": "Authorize.NET Hosted CIM"
  }
},
{
  "id": "21f9297d-9d1b-4f3e-beb7-7e9da33a45f6",
  "name": "Viva",
  "position": 3,
  "type": "Credit Card",
  "active": true,
  "default": false,
  "erpName": null,
  "payDays": 0,
  "gateway": {
    "id": 39,
    "name": "Viva"
  }
},
{
  "id": "d26da67b-lead-4cc0-bcc2-95e9fef42fb0",
  "name": "Piraeus",
  "position": 4,
  "type": "Credit Card",
  "active": true,
  "default": false,
  "erpName": null,
  "payDays": 0,
  "gateway": {
    "id": 37,
    "name": "Piraeus Bank"
  }
},
{
  "id": "1b280b17-cf1b-4b18-be34-2440dd0685e1",
  "name": "Piraeus Tokenization",
  "position": 5,
  "type": "Credit Card",
  "active": true,
  "default": false,
  "erpName": null,
  "payDays": 0,
  "gateway": {
    "id": 38,
    "name": "Piraeus Bank with tokenization support"
  }
},
{
  "id": "25476d53-7510-44da-a6e5-19b56c98053c",
  "name": "Paypal",
  "position": 6,
  "type": "Credit Card",
  "active": true,
  "default": false,
  "erpName": null,
  "payDays": 0,
  "gateway": {
    "id": 24,
    "name": "PayPal Standard"
  }
}
```

```
]
```

## Pricelists

### Get Pricelists

This API call returns the available organization pricelists.

#### API Call:

```
GET:https://<host_name>/api/pricelists?page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

#### Call Example:

```
GET: https://<host_name>/api/pricelists
```

#### Response:

```
[
  {
    "id": 5479,
    "name": "Blank",
    "active": true,
    "fromDate": "0001-01-01T00:00:00+00:00",
    "toDate": "0001-01-01T00:00:00+00:00",
    "currency": {
      "name": "Euro",
      "mnemonic": "EUR",
      "sign": "€"
    }
  },
  {
    "id": 5649,
    "name": "XAccountPL",
    "active": true,
    "fromDate": "0001-01-01T00:00:00+00:00",
    "toDate": "0001-01-01T00:00:00+00:00",
    "currency": {
      "name": "Euro",
      "mnemonic": "EUR",
      "sign": "€"
    }
  },
  {
    "id": 5650,
    "name": "YPriceGroupPL",
    "active": true,
    "fromDate": "0001-01-01T00:00:00+00:00",
    "toDate": "0001-01-01T00:00:00+00:00",
    "currency": {
      "name": "Euro",
      "mnemonic": "EUR",
      "sign": "€"
    }
  }
]
```

## Get Pricelists Items

This API call returns the items for a given pricelist.

### API Call:

```
GET: https://<host_name>/api/pricelists/<pricelist_id>/items?
page=<page_number>&size=<page_size>
```

### Parameters:

Parameter	Description	Type	Constraints
pricelistId	the id of the pricelist	integer	required
page_number	The number of the page to be displayed (default: 1)	int	optional
page_size	The number of items per page (default: 25)	int	optional

### Call Example:

```
GET: https://<host_name>/api/
pricelists/5650/items
```

### Response:

```
[
  {
    "product": {
      "id": "b209b2d3-4a9c-4607-8f38-4fd324908445",
      "code": "123",
      "name": "ProlTestSofEX702"
    },
    "pricingMethod": "Currency Amount",
    "roundingPolicy": "Rounding to integer",
    "roundingDecimals": 2,
    "amount": 5,
    "price": 5,
    "unit": {
      "id": "2252757d-2195-4164-a99d-5829d16b0eb5",
      "name": "Quarterly"
    }
  },
  {
    "product": {
      "id": "da715698-22ff-491b-b311-50e97ca5f902",
      "code": "123",
      "name": "Pro3TestSofEX702 (Monthly/Annually)"
    },
    "pricingMethod": "Currency Amount",
    "roundingPolicy": "None",
    "roundingDecimals": null,
    "amount": 5,
    "price": 5,
    "unit": {
      "id": "2252757d-2195-4164-a99d-5829d16b0eb5",
      "name": "Quarterly"
    }
  },
  {
    "product": {
      "id": "b209b2d3-4a9c-4607-8f38-4fd324908445",
      "code": "123",
      "name": "ProlTestSofEX702"
    },
    "pricingMethod": "Percent of Sell Price",
    "roundingPolicy": "Remove decimals",
    "roundingDecimals": 0,
  }
]
```

```

    "amount": 5,
    "price": 0.95,
    "unit": {
      "id": "cea9bb11-3eb9-4046-b3e3-5d6abf178361",
      "name": "Monthly"
    }
  },
  {
    "product": {
      "id": "da715698-22ff-491b-b311-50e97ca5f902",
      "code": "123",
      "name": "Pro3TestSofEX702 (Monthly/Annually)"
    },
    "pricingMethod": "Currency Amount",
    "roundingPolicy": "None",
    "roundingDecimals": null,
    "amount": 5,
    "price": 5,
    "unit": {
      "id": "cea9bb11-3eb9-4046-b3e3-5d6abf178361",
      "name": "Monthly"
    }
  },
  {
    "product": {
      "id": "b209b2d3-4a9c-4607-8f38-4fd324908445",
      "code": "123",
      "name": "ProlTestSofEX702"
    },
    "pricingMethod": "Currency Amount",
    "roundingPolicy": "None",
    "roundingDecimals": null,
    "amount": 5,
    "price": 5,
    "unit": {
      "id": "3315ec8f-33d4-4366-961e-d8506bd6c156",
      "name": "Annually"
    }
  },
  {
    "product": {
      "id": "da715698-22ff-491b-b311-50e97ca5f902",
      "code": "123",
      "name": "Pro3TestSofEX702 (Monthly/Annually)"
    },
    "pricingMethod": "Currency Amount",
    "roundingPolicy": "None",
    "roundingDecimals": null,
    "amount": 5,
    "price": 5,
    "unit": {
      "id": "3315ec8f-33d4-4366-961e-d8506bd6c156",
      "name": "Annually"
    }
  },
  {
    "product": {
      "id": "b209b2d3-4a9c-4607-8f38-4fd324908445",
      "code": "123",
      "name": "ProlTestSofEX702"
    },
    "pricingMethod": "Currency Amount",
    "roundingPolicy": "Rounding of decimal part",
    "roundingDecimals": 2,
    "amount": 5,
    "price": 5,
    "unit": {
      "id": "a6dba525-35d5-4418-b06b-f935d598b891",
      "name": "Semi-Annually"
    }
  }
},

```

```

{
  "product": {
    "id": "da715698-22ff-491b-b311-50e97ca5f902",
    "code": "123",
    "name": "Pro3TestSofEX702 (Monthly/Annually)"
  },
  "pricingMethod": "Currency Amount",
  "roundingPolicy": "None",
  "roundingDecimals": null,
  "amount": 5,
  "price": 5,
  "unit": {
    "id": "a6dba525-35d5-4418-b06b-f935d598b891",
    "name": "Semi-Annually"
  }
}
]

```

## Error Codes Description

All error codes are shown with the following format:

```

{
  "Type": <error_code_name>,
  "Code": <error_code>,
  "DeveloperMessage": <developer_message>
}

```

Explanation:

Field	Description
Type	Contains the error code name, i.g. NoInvoicesFound
Code	Contains the error code with format EEEMMMCCC where EEE is the Status Code, the MMM is the module number and CCC is the code number. i.e. 404024002
DeveloperMessage	A more detailed message for the developer.

## Invoice Errors

Error	Error Code	Description
InvoiceNotFound	404024001	Invoice not found
NoInvoicesFound	404024002	No invoices found
InvoiceNotCancelled	500024100	Invoice not cancelled
InvoiceNotMarkedAsPaid	500024101	Invoice not marked as paid
NoInvoiceItemsFound	404024102	No invoice items found

## Account Errors

Error	Error Code	Description
AccountNotFound	404001001	Account not found.
NoAccountsFound	404001003	No accounts found

AccountNotUpdated	500001100	Account not updated.
AccountNotCreated	500001101	Account not created.
InvoicesNotGenerated	500001102	Error generating the invoices
MoreThanOneAccountFound	500001103	More than one account for the given name were found when generating invoices
InvoicesNotFoundError	404001104	No invoices for generating found for the account
AccountExternalSystemValueNotFoundError	404001107	External id was not found

## Payment Errors

Error	Error Code	Description
PaymentNotFound	404025001	Payment not found
NoPaymentsFound	404025002	No payments found
PaymentNotAdded	500025100	Payment could not be added
PaymentsNotImported	500025101	One or more payments were not imported successfully

## Contact Errors

Error	ErrorCode	Description
ContactNotCreated	500013002	The contact could not be created
ContactWithSameEmailNotCreated	409013003	contact with email <email> already exists!

## Subscription Errors

Error	ErrorCode	Description
LeaseNotCreated	500023002	The subscription could not be created
LeaseAddonNotAdded	500023003	The addon could not added to subscription
NoLeasesFoundError	404023004	No subscriptions found
NoLeaseUsageRecordsFound	404023005	No usage records found
NoAzureLeasesFound	404023006	No Azure subscriptions found
NoAddonsFound	404023007	No addons found

## Product Errors

Error	ErrorCode	Description
ProductNotFound	404028001	product with name 'ProductDontExist' was not found!

## Order Errors

Error	ErrorCode	Description
OrderNotFound	404020001	order with Code <order_code> was not found!
NoOrderItemsFound	404020102	No order items found

## Other Errors

Error	Error Code	Description
NoDataFound	500400	Data was not found
NoCustomFieldsFound	404005002	No custom fields found
NoCountriesFound	404031200	No countries found
NoCountryStatesFound	404031201	No country states found

## API Objects

Api methods return one or more json object as provided in details in the following paragraphs.

### Object: Invoice

Represents an invoice object.

```
{
  "id": "b9d349a0-cf3e-4784-8fad-20db443a31e0",
  "code": "000014",
  "type": "Debit",
  "stage": "Unpaid",
  "paymentMethod": "credit card",
  "accountId": 10,
  "accountName": "Billing API - Test Account",
  "billingAccountId": 10,
  "billingAccountName": "Billing API - Test Account",
  "date": "2016-01-18T00:00:00+02:00",
  "dueDate": "2016-01-18T00:00:00+02:00",
  "createdDate": "2016-01-18T11:02:50.647+00:00",
  "paymentDate": "0001-01-01T00:00:00+00:00",
  "grossAmount": 30.0000000000,
  "discountAmount": 0.0000000000,
  "netAmount": 30.0000000000,
  "totalAmount": 30.0000000000
}
```

<b>id</b>	Unique identifier of the invoice
<b>code</b>	Code of the invoice
<b>type</b>	Type of the invoice
<b>stage</b>	Stage of the invoice
<b>paymentMethod</b>	Payment method of the invoice
<b>accountId</b>	Account ID of the invoice
<b>accountName</b>	Account name of the invoice
<b>billingAccountId</b>	Billing account ID of the invoice
<b>billingAccountName</b>	Billing account name of the invoice

<b>date</b>	Date of the invoice
<b>dueDate</b>	Due date of the invoice
<b>createdDate</b>	Creation date of the invoice
<b>paymentDate</b>	Payment date of the invoice
<b>grossAmount</b>	Gross amount of the invoice
<b>discountAmount</b>	Discount amount of the invoice
<b>netAmount</b>	Net amount of the invoice
<b>totalAmount</b>	Total amount of the invoice

## Object: AccountBillingOptions

Represents the account billing options object.

```
{
  "id":10,
  "name":"Billing API - Test Account",
  "accountingNo":"10001001",

  "enableOrdering":true,

  "billToAccountId":0,
  "billToAccountName":null,
  "countryCode":"GR",
  "countryName":"Greece",
  "stateCode":"001",
  "stateName":"Chalkidiki",
  "currency":"Euro",
  "currencyCode":"978",
  "paymentMethod":"Bank Deposit",
  "taxAuthority":"Tax Authority 1",
  "tradingName":"Trading name 1",
  "businessActivity":"Business Activity 1",
  "registrationNumber":null,
  "autoInvoiceNotificationEnabled":false,
  "separateInvoicesEnabled":false,
  "enableReselling":false,
  "isTaxable":true,
  "isNetworkReseller":false,
  "prorateBillingEnabled":true,
  "prorateBillingDate":"FirstOrderDay",
  "partialChargesInvoicing":"OnOrderDay"
}
```

<b>id</b>	Unique identifier of the account
<b>name</b>	Name of the account
<b>accountingNo</b>	Accounting number of the account
<b>enableOrdering</b>	If the account is customer
<b>taxAuthority</b>	The tax authority of the account
<b>billToAccountId</b>	Billing account ID of the account
<b>countryCode</b>	The country code of the account
<b>countryName</b>	The country name of the account
<b>stateCode</b>	The state code of the account
<b>stateName</b>	The state name of the account
<b>currency</b>	The currency name of the account
<b>currencyCode</b>	The currency code of the account
<b>tradingName</b>	The account trading name



<b>paymentMethod</b>	Payment method of the account
<b>taxAuthority</b>	Tax authority of the account
<b>businessActivity</b>	The job of the account
<b>registrationNumber</b>	VAT number of the account
<b>autoInvoiceNotificationEnabled</b>	Flag automatic invoice notification of the account
<b>separateInvoicesEnabled</b>	Multiple invoices generation enabled
<b>isTaxable</b>	Flag taxable of the account
<b>enableReselling</b>	If the account is light reseller
<b>isNetworkReseller</b>	If the account is normal reseller
<b>prorateBillingEnabled</b>	If prorated billing is enabled
<b>prorateBillingDate</b>	Prorate billing date, can be "FirstMonthDay", "LastMonthDay", "FirstOrderDay" or "2-30"
<b>partialChargesInvoicing</b>	Can be "OnBillingDay" or "OnOrderDay"

### Object: AccountBalance

Represents the account balance object.

```
{
  "id":10,
  "balance":-60.480000000000004,
  "debitInvoicesTotal":84.52,
  "debitInvoicesCount":4,
  "creditInvoicesTotal":0.0,
  "creditInvoicesCount":0,
  "paymentsTotal":145.0,
  "paymentsCount":5,
  "refundsTotal":0.0,
  "refundsCount":0
}
```

<b>id</b>	Unique identifier of the account
<b>balance</b>	Balance amount of the account (balance = invoice - payment + refund)
<b>debitInvoicesTotal</b>	Debit invoices total amount of the account
<b>debitInvoicesCount</b>	Debit invoices count of the account
<b>creditInvoicesTotal</b>	Credit invoices total amount of the account
<b>creditInvoicesCount</b>	Credit invoices count of the account
<b>paymentsTotal</b>	Payments total amount of the account
<b>paymentsCount</b>	Payments count of the account
<b>refundsTotal</b>	Refunds total amount of the account
<b>refundsCount</b>	Refunds count of the account

## Object: Payment

Represents a payment object.

```
{
  "id": "2332ce4b-5882-4495-ac75-35ab9c2a3d5a",
  "code": null,
  "accountId": 10,
  "accountName": "Billing API - Test Account",
  "type": "Cash",
  "date": "2016-01-14T00:00:00+02:00",
  "amount": 99.0000000000,
  "transactionFee": 0.9900000000,
  "chequeNo": null,
  "chequePayTo": null,
  "chequeBank": null,
  "paymentGateway": null,
  "creditCardId": null,
  "transactionId": "tID",
  "status": "Completed",
  "transactionStatus": 2,
  "transactionComments": null,
  "comments": "",
  "createdDate": "2016-01-14T15:45:14.04+00:00",
  "updatedDate": "2016-01-14T15:45:14.04+00:00"
}
```

<b>id</b>	Unique identifier of the payment
<b>code</b>	Code of the payment
<b>accountId</b>	Account ID of the payment
<b>accountName</b>	Account name of the payment
<b>type</b>	Type of the payment (e.g. Cash)
<b>date</b>	Date of the payment
<b>amount</b>	Amount of the payment
<b>transactionFee</b>	Transaction fee of the payment
<b>chequeNo</b>	Cheque number of the payment
<b>chequePayTo</b>	Cheque pay to name of the payment
<b>chequeBank</b>	Cheque bank of the payment
<b>paymentGateway</b>	Payment gateway of the payment
<b>creditCardId</b>	Credit card id of the payment
<b>transactionId</b>	Transaction ID of the payment
<b>status</b>	The status of the payment (canceled or l, pending or p and completed or c)
<b>transactionStatus</b>	Transaction status
<b>transactionComment</b>	Comment of the transaction
<b>comments</b>	Comments of the payment
<b>createdDate</b>	Creation date of the payment
<b>updatedDate</b>	Last update of the payment