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# Merchant API Authentication

All requests to the API must contain the parameter `api_token` in the URL. You can obtain your API token from your Merchant Interface

# Merchant API Overview

The Azimio API consists of a set of callable methods.

To perform an action using the API, send a request to an API endpoint and a response will then be sent back to you.

All requests to the API will have to be sent SSL encrypted.

# Merchant API Methods

## Tracked Items

- List

## Products

- List
- Get

## Plans

- Get

## Customers

- List
- Get
- Add

## Subscriptions

- List
- Get
- Add

## Usage

- Add

## Error Codes

**400** Bad Request

**401** Request missing api token



- 4011 Invalid API Key
- 403 You don't have permission for this resource
- 404 Invalid API call
- 4041 Requested item not found
- 4042 Request missing SSL encryption

## Merchant API Method: Tracked Items List

### Description

This API Method returns a list of all your Tracked Items.

### Authentication

This API method needs token authentication

### URL

`https://{project-name}.azimiosystems.com/api/products`

### Arguments

#### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

### Example Response

```
{ "response" : { "code" : "200",
  "message" : "OK",
  "status" : "success"
},
  "tracked_items" : [
    { "id" : "1",
      "id_category" : "1",
      "name" : "bandwidth",
      "unit" : "Mb"
    },
    { "id" : "2",
      "id_category" : "1",
      "name" : "space",
      "unit" : "Mb"
    }
  ]
}
```

## Merchant API Methods: Products List

### Description



This API Method returns a list of all your products.

## Authentication

This API method needs token authentication

## URL

`https://{project-name}.azimiosystems.com/api/products`

## Arguments

### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

## Example Response

```
{
  "response":{"status":"success","code":"200","message":"OK"},
  "products":[
    {"id":"6","id_category":"8","name":"Hosting
subscription","sku":"","description":"","date_start":"0000-00-00
00:00:00","date_end":"0000-00-00 00:00:00","modified":"2011-01-18
15:59:33","created":"2011-01-18 15:59:33"}
    {"id":"7","id_category":"8","name":"Support
subscription","sku":"","description":"","date_start":"0000-00-00
00:00:00","date_end":"0000-00-00 00:00:00","modified":"2011-01-18
15:59:33","created":"2011-01-18 15:59:33"}
  ]
}
```

## Merchant API Methods: Get Products

### Description

This API Method returns details about a product and its plans.

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/products/get`

### Arguments

#### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

#### id (Required)



Product id for which you want details.

## Example Response

```
{
  "response":{"status":"success","code":"200","message":"OK"},\
  "product":{
    "id":"6","id_category":"8","name":"Online Forms
Basic","sku":"","description":"","date_start":"0000-00-00
00:00:00","date_end":"0000-00-00 00:00:00","modified":"2011-01-18
15:59:33","created":"2011-01-18 15:59:33",
    "plans":[
      {"id":"11","id_product":"6","name":"Online Forms
Business","period_length":"1","period_unit":"years","billing_length":"1
","billing_unit":"months","description":"","status":"active"}
    ]
  }
}
```

## Error Codes

### 4041 (Required)

The requested item was not found. For example the id you provided is not a valid customer id for your project

## Merchant API Methods: Get Plans

### Description

This API Method returns details about a billing plan and its associated fees.

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/plans/get`

### Arguments

#### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

#### id (Required)

Plan id for which you want details.

## Example Response

```
{
  "response":{"status":"success","code":"200","message":"OK"},
```



```
"plan":{
  "id":"11","id_product":"6","name":"Policy
Magazine","period_length":"1","period_unit":"years","billing_length":"1
","billing_unit":"months","description":"","status":"active",
  "fees":{
    "single":,
    "recurring":[

{"id":"13","id_plan":"11","id_tracked_item":"5","name":"faststart","des
cription":"","type":"recurring","mode":"advanced","quantity":"15.00","c
harge_model":"tiered","period_length":"1","period_unit":"months"},

{"id":"18","id_plan":"11","id_tracked_item":"0","name":"faststartsimple
","description":"","type":"recurring","mode":"simple","quantity":"1.00"
,"charge_model":"","period_length":"1","period_unit":"months"}
    ],
    "usage" [

{"id":"17","id_plan":"11","id_tracked_item":"5","name":"test","descript
ion":"","type":"usage","mode":"advanced","quantity":"1.00","charge_mode
l":"","period_length":"1","period_unit":"months"}
    ]
  }
}
```

## Error Codes

### 4041 (Required)

The requested item was not found. The id you provided is not a valid plan id for your project.

## Merchant API Methods: Customers List

### Description

This API Method returns a list of all your customers.

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/customers`

### Arguments

#### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.





## Example Response

```
{
  "response":{"status":"success","code":"200","message":"OK"},
  "customers":[
    {"id":"21","id_project":"6","name":"James Dean","code":"","crm_code":"","internal_notes":"","cr":"","modified":"2011-01-20 10:44:33","created":"2011-01-20 10:44:33"},
    {"id":"20","id_project":"6","name":"James Dean gaby","code":"","crm_code":"","internal_notes":"","cr":"","modified":"2011-01-19 13:49:50","created":"2011-01-19 13:49:50"}
  ]
}
```

## Merchant API Methods: Get Customers

### Description

This API Method returns details about a customer and their contacts

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/customers/get`

### Arguments

#### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

#### id (Required)

Customer id for which you want details.

## Example Response

```
{
  "response":{"status":"success","code":"200","message":"OK"},
  "customer":{"
    "id":"21","id_project":"6","name":"James Dean","code":"","crm_code":"","internal_notes":"","cr":"","modified":"2011-01-20 10:44:33","created":"2011-01-20 10:44:33"},
    "contacts":[
      {"id":"28","id_project":"6","id_customer":"21","name":"James Dean","type":"","email":"jamesjuniordean123@yahoo.com",
        "address":"123 Sears Avenue, Suite 200","city":"Louisville","county":"Jefferson","country":"USA","telephone":"8674309500","fax":"","modified":"2011-01-20 10:44:33","created":"2011-01-20 10:44:33"}
    ]
  }
}
```



```
{ "id": "29", "id_project": "6", "id_customer": "21", "name": "John Doe", "type": "", "email": "john@yahoo.com", "address": "123 Sears Avenue, Suite 200", "city": "Louisville", "county": "Jefferson", "country": "USA", "telephone": "8674309500", "fax": "", "modified": "2011-01-20 10:44:33", "created": "2011-01-20 10:44:33" }
}]}
```

## Merchant API Methods: Add Customers

### Description

Add a new customer

### Authentication

Needs token authentication

### URL

`http://{project-name}.azimiosystems.com/api/customers/add`

### Arguments

#### **api\_token** (Required)

Your API application token. [Click here](#) for more details.

#### **name** (Required)

The name of the customer

#### **email** (Required)

The valid email address of the customer

#### **country** (Required)

The country of the customer (code - us, uk, de, etc)

#### **crm\_code** (Optional)



The CRM code of the customer

**address** (Optional)

The street address of the customer

**city** (Optional)

The city of the customer

**county** (Optional)

The county of the customer

**zip\_code** (Optional)

The zip code of the customer

**telephone** (Optional)

The phone number of the customer

**fax** (Optional)

The fax of the customer

**internal\_notes** (Optional)

The internal notes for the customer

**credit** (Optional)

The credit of the customer (if set, must be numeric)

## Example Response

```
{ "response" : { "code" : "200",  
  "message" : "OK",  
  "status" : "success"  
},  
  "customer" : {  
    "id" : 55,
```



```
        "url" : "http:\\\\{project-  
name}.azimiosystems.com\\customers\\view?hash=040af58e6fff87ef046d85b79  
e0bb26f1081012b"  
    }  
}
```

## Error Codes

### 4040

If one of the required fields are not provided or invalid. The specific error is added in the response message.

## Merchant API Methods: Subscriptions List

### Description

This API Method returns a list of all your subscriptions.

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/subscriptions`

### Arguments

#### api\_token (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

### Example Response

```
{ "response" : {  
    "code" : "200",  
    "message" : "OK",  
    "status" : "success"  
},  
  "subscriptions" : [  
    { "autorenew" : "yes",  
      "code" : "11-141-1331",  
      "created" : "2011-02-28 10:59:35",  
      "date_canceled" : "2011-02-28 15:59:54",  
      "date_end" : "2012-02-27 10:59:36",  
      "date_start" : "2011-02-28 10:59:36",  
      "hash" : "21fec8f399df66687556f231abde4b7649505a6e",
```



```
"history_id" : "d30f79cf7fef47bd7a5611719f936539bec0d2e9",
"id" : "133",
"id_customer" : "14",
"id_project" : "1",
"last_billed" : "2011-02-28 10:59:36",
"modified" : "2011-02-28 15:59:54",
"next_assessment" : "2011-03-28 10:59:36",
"next_bill" : "2011-02-28 10:59:46",
"notes" : "",
"status" : "canceled"
},
{ "autorenew" : "yes",
  "code" : "11-141-1351",
  "created" : "2011-02-28 15:59:55",
  "date_canceled" : "2011-02-28 16:34:57",
  "date_end" : "1969-12-31 02:00:00",
  "date_start" : "2011-02-28 15:59:55",
  "hash" : "5da77f8bf333597e6361443d356166add5491411",
  "history_id" : "d30f79cf7fef47bd7a5611719f936539bec0d2e9",
  "id" : "135",
  "id_customer" : "14",
  "id_project" : "1",
  "last_billed" : "2011-02-28 15:59:55",
  "modified" : "2011-02-28 16:34:57",
  "next_assessment" : "2011-03-28 15:59:55",
  "next_bill" : "2011-02-28 16:00:05",
  "notes" : "",
  "status" : "canceled"
},
{ "autorenew" : "yes",
  "code" : "11-141-1361",
  "created" : "2011-02-28 16:34:58",
  "date_canceled" : "2011-02-28 16:35:50",
  "date_end" : "2012-02-27 16:34:58",
  "date_start" : "2011-02-28 16:34:58",
  "hash" : "6d2465405988113a8d7ee431217e91b60ca070df",
  "history_id" : "d30f79cf7fef47bd7a5611719f936539bec0d2e9",
  "id" : "136",
  "id_customer" : "14",
  "id_project" : "1",
  "last_billed" : "2011-02-28 16:34:58",
  "modified" : "2011-02-28 16:35:50",
  "next_assessment" : "2011-03-28 16:34:58",
  "next_bill" : "2011-02-28 16:35:08",
  "notes" : "",
  "status" : "canceled"
},
{ "autorenew" : "yes",
  "code" : "11-141-1371",
  "created" : "2011-02-28 16:35:50",
  "date_canceled" : "0000-00-00 00:00:00",
  "date_end" : "1969-12-31 02:00:00",
  "date_start" : "2011-02-28 16:35:50",
  "hash" : "b7e0374af4e35564ee461184fb36e483b6ccca44",
  "history_id" : "d30f79cf7fef47bd7a5611719f936539bec0d2e9",
```



```
    "id" : "137",
    "id_customer" : "14",
    "id_project" : "1",
    "last_billed" : "2011-02-28 16:35:50",
    "modified" : "2011-02-28 16:35:50",
    "next_assessment" : "2011-03-28 16:35:50",
    "next_bill" : "2011-02-28 16:36:00",
    "notes" : "",
    "status" : "active"
  }
]
}
```

## Merchant API Methods: Get Subscriptions

### Description

This API Method returns details about a subscription including its plan and fees.

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/subscriptions/get`

### Arguments

#### **api\_token** (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

#### **id** (Required)

Subscription id for which you want details

### Example Response

```
{ "response" : { "code" : "200",
  "message" : "OK",
  "status" : "success"
},
  "subscription" : {
    "autorenew" : "yes",
    "code" : "11-141-1331",
    "created" : "2011-02-28 10:59:35",
    "date_canceled" : "2011-02-28 15:59:54",
    "date_end" : "2012-02-27 10:59:36",
    "date_start" : "2011-02-28 10:59:36",
    "hash" : "21fec8f399df66687556f231abde4b7649505a6e",
    "history_id" : "d30f79cf7fef47bd7a5611719f936539bec0d2e9",
    "id" : "133",
```



```
"id_customer" : "14",
"id_project" : "1",
"last_billed" : "2011-02-28 10:59:36",
"modified" : "2011-02-28 15:59:54",
"next_assessment" : "2011-03-28 10:59:36",
"next_bill" : "2011-02-28 10:59:46",
"notes" : "",
"plan" : {
  "billing_length" : "",
  "billing_unit" : "",
  "created" : "2011-02-28 10:59:36",
  "custom" : "yes",
  "fees" : {
    "recurring" : [
      { "charge_model" : "",
        "created" : "2011-02-28 10:59:36",
        "description" : "",
        "id" : "334",
        "id_plan-period_fee" : "2",
        "id_subscription-plan" : "131",
        "id_tracked_item" : "1",
        "last_billed" : "2011-02-28 10:59:36",
        "mode" : "advanced",
        "modified" : "2011-02-28 15:59:55",
        "name" : "cost bandwidth",
        "next_bill" : "2011-04-28 10:59:36",
        "period_length" : "2",
        "period_unit" : "months",
        "quantity" : "25.00",
        "type" : "recurring"
      },
      { "charge_model" : "",
        "created" : "2011-02-28 10:59:36",
        "description" : "",
        "id" : "335",
        "id_plan-period_fee" : "11",
        "id_subscription-plan" : "131",
        "id_tracked_item" : "0",
        "last_billed" : "2011-02-28 10:59:36",
        "mode" : "advanced",
        "modified" : "2011-02-28 15:59:55",
        "name" : "cost space",
        "next_bill" : "2011-03-30 10:59:36",
        "period_length" : "30",
        "period_unit" : "days",
        "quantity" : "25.00",
        "type" : "recurring"
      }
    ],
    "single" : [
      { "amount" : "123",
        "billed" : "2011-02-28 10:59:36",
        "created" : "2011-02-28 10:59:36",
        "description" : "super mario",
        "id" : "75",
```



```
        "id_plan-single_fee" : "1",
        "id_subscription-plan" : "131",
        "modified" : "2011-02-28 10:59:36",
        "name" : "Cost setup"
    } ],
    "usage" : [
    { "charge_model" : "",
      "created" : "2011-02-28 10:59:36",
      "description" : "",
      "id" : "336",
      "id_plan-period_fee" : "3",
      "id_subscription-plan" : "131",
      "id_tracked_item" : "1",
      "last_billed" : "0000-00-00 00:00:00",
      "mode" : "advanced",
      "modified" : "2011-02-28 15:59:55",
      "name" : "test usage",
      "next_bill" : "2011-03-28 10:59:36",
      "period_length" : "1",
      "period_unit" : "months",
      "quantity" : "1.00",
      "type" : "usage"
    } ]
    },
    "id" : "131",
    "id_plan" : "1",
    "id_product" : "2",
    "id_subscription" : "133",
    "modified" : "2011-02-28 15:59:55",
    "period_length" : "1",
    "period_unit" : "years"
  },
  "status" : "canceled"
}
}
```

## Error Codes

### 4041

Requested item not found. The id you provided is not valid customer id for your project

## Merchant API Methods: Add Subscriptions

### Description

For adding a subscription to an existing customer; returns the Azimio id of the subscription (needed for later upgrading or downgrading) and the Subscription details link from the Recurring Billing & Subscription Management





## Authentication

Needs token authentication

## URL

`http://{project-name}.azimiosystems.com/api/subscriptions/add`

## Arguments

### **api\_token** (Required)

Your API application token. [Click here](#) to see how to obtain an API token.

### **id\_plan** (Required)

ID of the plan you wish the customer to subscribe to

### **id\_customer** (Required)

ID of the customer to be subscribed

### **date\_start** (Optional)

date when the subscription starts (YYYY-MM-DD)

## Example Response

```
{ "response" : { "code" : "200",
  "message" : "OK",
  "status" : "success"
},
  "subscription" : {
    "id" : 5,
    "url" : "http:\\\\{project-
name}.azimiosystems.com\\subscriptions\\view?hash=040af58e6fff87ef046d8
5b79e0bb26f1081012b"
  }
}
```

## Error Codes

### **4040**

If one of the required fields are not provided or invalid. The specific error is added in the response message.



## Merchant API Methods: Migrate Subscriptions

### Description

For upgrading or downgrading a subscription; returns the Azimio id of the new subscription (needed for later upgrading or downgrading) and the Subscription details link from the Recurring Billing & Subscription Management page

### Authentication

Needs token authentication

### URL

`http://{project-name}.azimiosystems.com/api/subscriptions/migrate`

### Arguments

#### **api\_token** (Required)

Your API application token. [Click here](#) to see how to obtain an API token.

#### **id\_plan** (Required)

ID of the plan you wish the customer to subscribe to

#### **id** (Required)

ID of the subscription you want to change

### Example Response

```
{ "response" : { "code" : "200",
  "message" : "OK",
  "status" : "success"
},
  "subscription" : {
    "id" : 5,
    "url" : "http:///{project-
name}.azimiosystems.com/subscriptions/view?hash=040af58e6fff87ef046d8
5b79e0bb26f1081012b"
  }
}
```



## Error Codes

### 4040

If one of the required fields are not provided or invalid. The specific error is added in the response message.

## Merchant API Methods: Add Usage

### Description

This API Method add usage to a subscription.

### Authentication

This API method needs token authentication.

### URL

`https://{project-name}.azimiosystems.com/api/usages/add`

### Arguments

#### **api\_token** (Required)

Your API application token is required. [Click here](#) to see how to obtain an API token.

#### **value** (Required)

Value for this usage

#### **id\_tracked\_item** (Required)

ID of the Tracked Item for which the usage is added

#### **id\_subscription** (Required)

ID of the subscription for which the usage is added

#### **date** (Required)

ID of the subscription for which the usage is added

### Example Response

```
{ "response" : { "code" : "200",
  "message" : "OK",
  "status" : "success"
},
  "usage" : {
    "id" : 5,
    "date" : "2010-01-15 12:58:00",
    "id_subscription" : "137",
```



```
"id_tracked_item" : "1",  
"value" : "100"  
}  
}
```

## **Error Codes**

### **MISSING\_REQUIRED\_VALUE**

If one of the required fields is not provided. The specific field is highlighted in the response message.

### **INVALID\_VALUE**

If one of the values provided is invalid. The specific field is added in the response message along with a message describing the error.