Reporting API Documentation

CHANGE LOGS

Date	Description	Version
2015-09-23	Initial Release	1.1
2015-11-10	Add sub merchant update and delete methods	1.2

TABLE OF CONTENTS

INTRODUCTION

The Reporting API gives you access to most of the report data in PSP. With the Reporting API you can :

- Build custom dashboards to display PSP API data.
- Save time by automating complex reporting tasks.

1. Requirement

To begin using the API, you should have received your API Key. The API Key "apiKey" has to be added in the parameters of every request.

2. Security

The API uses a secured and encrypted communication over the HTTPS protocol. This protocol uses a layer called SSL encryption that ensures the integrity and the confidentiality of all data transmitted over the TCP/IP network layer. The security is provided by an authentication certificate issued from an approved third party authority.

Following the discovery of a security flaw in SSLv2-3, TLS must be used to call the API.

The security is increased by a second process in order to increase the safety of the services. All the request are logged on the our side. This allows us to track and send you alerts when suspicious behaviors are detected.

3. How it works

Methods overview

Interface	Description
/api/v3/merchant/user/login	Login with email and password.
/api/v3/transactions/report	Request for list of transaction.
/api/v3/transaction/list	Request for list of transaction.
/api/v3/transaction	Request for all information of transaction.
/api/v3/client	Request for information of client.

Merchant Login

LIVE URL : **https://reporting.rpdpymnt.com/api/v3/merchant/user/login**

TEST URL : **https://sandbox-reporting.rpdpymnt.com/api/v3/merchant/user/login**

Post parameters

Parameter name	Details	Example	Type	Mandatory
email	Email address of merchant user.	merchant@test.com	Char(128)	✔
password	Password	12345	Char(32)	✔

✔ Only one parameter is required.

Response parameters

Parameter name	Details	Example	Type	Always there
token	JWT token.	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZXJjaGFudFVzZXJJZCI6MSwicm9sZSI6ImFkbWluIiwi	Text	
status	The API request status.	APPROVED	Char(64)	

Request (Post parameter)

```
{
        email : "merchant@test.com"
        password : "123*-+"
}
```

Successful Response

```
{
        token :"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZXJjaGFudFVzZXJJZCI6MSwicm9s
                ZSI6ImFkbWluIiwibWVyY2hhbnRJZCI6MSwic3ViTWVyY2hhbnRJZHMiOltdLCJ0aW1lc3Rhb
                XAiOjE0NDQzODk4ODB9.zPxVu4fkRqIy1uG2fO3X2RbxiI4otK_HG7M4MMTB298",
        status : "APPROVED"
}
```

The parameter 'token' in response is important, because token is required.

Token is valid for 10 minutes.

TRANSACTION REPORT

LIVE URL : https://reporting.rpdpymnt.com/api/v3/transactions/report

TEST URL : https://sandbox-reporting.rpdpymnt.com/api/v3/transactions/report

Post parameters

Parameter name	Details	Example	Type	Mandatory
fromDate	Start date	YYYY-MM-DD	Date	✔
toDate	Finish date.	YYYY-MM-DD	Date	✔
merchant	The merchant identifier.	1	Int	
acquirer	The acquirer identifier.	2	Int	

Header parameters

Parameter name	Details	Example	Type	Mandatory
Authorization	JWT token generated in merchant login.	eyJ0eXAiOiJKV1QiLCJhbG ciOiJIUzI1NiJ9.eyJtZXJjaG FudFVzZXJJZCI6MSwicm9 sZSI6ImFkbWluIiw	Text	✔

✔ Only one parameter is required.

Response parameters

Parameter name		Details	Example	Type	Always there
status		The API request status.	APPROVED	Char(64)	
response	**count**	Quantity transaction	283	Int	
	total	Total amount	28300	Int	
	currency	Original currency	USD	Char(3)	

Request

Post parameters

```
{
        fromDate : "2015-07-01",
        toDate : "2015-10-01",
        merchant : 1,
        acquirer : 1,
}
```

Header parameters

```
{
        Authorization : "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZXJjaGFudFVzZXJJ
                        ZCI6MSwicm9sZSI6ImFkbWluIiwibWVyY2hhbnRJZCI6MSwic3ViTWVyY
                        hhbnRJZHMiOltdLCJ0aW1lc3RhbXAiOjE0NDQzODk4ODB9.zPxVu4fk
                        y1uG2fO3X2RbxiI4otK_HG7M4MMTB298"
}
```

Successful Response

```
{
        status : "APPROVED",
        response :[
            {
                    count : 283,
                    total : 28300,
                    currency : "USD"
            },
            {
                    count : 280,
                    total : 1636515,
                    currency : "EUR"
            }
        ]
}
```

Transaction Query

Post parameters

Parameter name	Details	Example	Type	Mandatory
fromDate	Start Date	YYYY-MM-DD	Date	
toDate	Finish Date	YYYY-MM-DD	Date	
status	The API request status.	APPROVED	Char(64)	
operation	Request operation	3D	Char(64)	
merchantId	The merchant identifier.	1	Int	
acquirerId	The acquirer identifier.	2	Int	
paymentMethod	The payment method	CREDITCARD	Char(32)	
errorCode	Error Code	Invalid Card	Char(256)	
filterField	Search by special field	Customer Email	Char(128)	
filterValue	Value of field.	xxxx@test.com.tr	Char(256)	
page	Number of page	1	Int	

Header parameters

Parameter name	Details	Example	Type	Mandatory
Authorization	JWT token generated in merchant login.	eyJ0eXAiOiJKV1QiLCJhbG ciOiJIUzI1NiJ9.eyJtZXJjaG FudFVzZXJJZCI6MSwicm9 sZSI6ImFkbWluIiw	Text	✔

✔ Only one parameter is required.

Response parameters

Parameter name		Details	Example	Type	Always there
per_page		Number of transaction for page.	50	Int	
current_page		Current page number	2	Int	
next_page_url		Url of next page	https://reporting.rpdpymnt.com/api/v3/transaction/list/?page=3	Char(256)	
prev_page_url		Url of precedent page	https://reporting.rpdpymnt.com/api/v3/transaction/list/?page=1	Char(256)	
from		Index number	50	Int	
to		Index number	100	Int	
data	fx	FX information	originalAmount, originalCurrency	Array	
	customerInfo	Customer Info	email, billingFirstName	Array	
	merchant	Merchant Info	name, id	Array	
	ipn	Ipn received	received	Array	
	transaction	Transaction Info	referenceNo,status	Array	
	acquirer	Acquirer Info	id,name	Array	
	refundable	Check if can refund the transaction.	true	Boolean	

Request Parameters Details

status : { "APPROVED", "WAITING", "DECLINED", "ERROR" }

operation : { "DIRECT", "REFUND", "3D", "3DAUTH", "STORED" }

paymentMethod : { "CREDITCARD", "CUP", "IDEAL", "GIROPAY", "MISTERCASH", "STORED", "PAYTOCARD", "CEPBANK", "CITADEL" }

errorCode : { "Do not honor", "Invalid Transaction", "Invalid Card", "Not sufficient funds", "Incorrect PIN", "Invalid country association", "Currency not allowed", "3-D Secure Transport Error", "Transaction not permitted to cardholder" }

filterField : { "Transaction UUID", "Customer Email", "Reference No", "Custom Data", "Card PAN" }

Request

Post parameters

```
{  }

OR

{
        fromDate : "2015-07-01",
        toDate : "2015-10-01",
}

OR

{
        fromDate : "2015-07-01",
        toDate : "2015-10-01",
        merchant : 1,
        acquirer : 1,
}
```

OR

```
{
        fromDate : "2015-07-01",
        toDate : "2015-10-01",
        merchantId : 1,
        acquirerId : 1,
        status : "APPROVED",
        operation : "DIRECT",
        paymentMethod : "CREDITCARD",
        filterField : "Reference No",
        filterValue : "1-1568845-56",
        page : 1
}
```

OR

```
{
        status : "DECLINED",
        operation : "3D",
        errorCode : "Invalid Transaction"
}
```

Header parameters

```
{
        Authorization : "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZXJjaGFudFVzZXJJ
                        ZCI6MSwicm9sZSI6ImFkbWluIiwibWVyY2hhbnRJZCI6MSwic3ViTWVyY
                        hhbnRJZHMiOltdLCJ0aW1lc3RhbXAiOjE0NDQzODk4ODB9.zPxVu4fk
                        y1uG2fO3X2RbxiI4otK_HG7M4MMTB298"
}
```

Successful Response

```
{
        per_page : 50,
        current_page : 1,
        next_page_url :
"http://reporting.rpdpymnt.com/api/v3/transaction/list/?page=2",
        prev_page_url : null,
        from : 1,
        to : 50,
        data :[{
            fx :{
                merchant :{
                        originalAmount : 5,
                        originalCurrency : "EUR"
                }
            },
            customerInfo :{
                    number : "448574XXXXXX3395",
                    email : "aykut.aras@bumin.com.tr",
                    billingFirstName : "Aykut",
                    billingLastName : "Aras"
            },
            merchant :{
                    id : 3,
                    name : "Dev-Merchant"
            },
            ipn :{ received : true },
```

```
            transaction :{
                    merchant :{
                            referenceNo : "api_560a4a9314208",
                            status : "APPROVED",
                            operation : "3DAUTH",
                            message : "Auth3D is APPROVED",
                            created_at : "2015-09-29 08:24:42",
                            transactionId : "2827-1443515082-3"
                    }
            },
            acquirer :{
                    id : 12,
                    name : "Mergen Bank",
                    code : "MB",
                    type : "CREDITCARD"
            },
            refundable : true
    },
    { fx :{ merchant :{ originalAmount : 100,  originalCurrency : "EUR" }...},
    { fx :{ merchant :{ originalAmount : 100,  originalCurrency : "EUR" }...},
    ......................
    ......................
    ......................
    ......................
}
```

GET TRANSACTION

LIVE URL : **https://reporting.rpdpymnt.com/api/v3/transaction**

TEST URL : **https://sandbox-reporting.rpdpymnt.com/api/v3/transaction**

Post parameters

Parameter name	Details	Example	Type	Mandatory
transactionId	Our unique transaction identifier.	529-1438673740-2	Char(32)	✔

Header parameters

Parameter name	Details	Example	Type	Mandatory
Authorization	JWT token generated in merchant login.	eyJ0eXAiOiJKV1QiLCJhbG ciOiJIUzI1NiJ9.eyJtZXJjaG FudFVzZXJJZCI6MSwicm9 sZSI6ImFkbWluIiw	Text	✔

✔ Only one parameter is required.

Response parameters

Parameter name	Details	Example	Type	Always there
fx	FX information	originalAmount, originalCurrency	Array	
customerInfo	Customer Info	email, billingFirstName	Array	
acquirerTransactions	Acquirer Transaction Info	name of acquirer, code	Array	
merchant	Merchant Info	name, id	Array	
merchantTransactions	Merchant Transaction Info	referenceNo,status	Array	

Request

Post parameters

```
{
        transactionId : "1-1444392550-1"
}
```

Header parameters

```
{
        Authorization : "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZXJjaGFudFVzZXJJ
                        ZCI6MSwicm9sZSI6ImFkbWluIiwibWVyY2hhbnRJZCI6MSwic3ViTWVyY
                        hhbnRJZHMiOltdLCJ0aW1lc3RhbXAiOjE0NDQzODk4ODB9.zPxVu4fk
                        y1uG2fO3X2RbxiI4otK_HG7M4MMTB298"
}
```

Successful Response

```
{
        fx :{
                merchant :{
                        originalAmount : 100,
                        originalCurrency : "EUR"
                }
        },
        customerInfo :{
                id : 1,
                created_at : "2015-10-09 12:09:10",
                updated_at : "2015-10-09 12:09:10",
                deleted_at : null,
                number : "401288XXXXXX1881",
                expiryMonth : "6",
                expiryYear : "2017",
                startMonth : null,
```

```
startYear : null,

issueNumber : null,

email : "michael@gmail.com",

birthday : "1986-03-20 12:09:10",

gender : null,

billingTitle : null,

billingFirstName : "Michael",

billingLastName : "Kara",

billingCompany : null,

billingAddress1 : "test address",

billingAddress2 : null,

billingCity : "Antalya",

billingPostcode : "07070",

billingState : null,

billingCountry : "TR",

billingPhone : null,

billingFax : null,

shippingTitle : null,

shippingFirstName : "Michael",

shippingLastName : "Kara",

shippingCompany : null,

shippingAddress1 : "test address",

shippingAddress2 : null,

shippingCity : "Antalya",

shippingPostcode : "07070",

shippingState : null,

shippingCountry : "TR",

shippingPhone : null,
```

```
        shippingFax : null
},
 merchant :{
        name : "Dev-Merchant"
},
 transaction :{
        merchant :{
                referenceNo : "reference_5617ae66281ee",
                merchantId : 1,
                status : "WAITING",
                channel : "API",
                customData : null,
                chainId : "5617ae666b4cb",
                agentInfoId : 1,
                operation : "DIRECT",
                fxTransactionId : 1,
                updated_at : "2015-10-09 12:09:12",
                created_at : "2015-10-09 12:09:10",
                id : 1,
                acquirerTransactionId : 1,
                code : "00",
                message : "Waiting",
                transactionId : "1-1444392550-1",
                agent :{ id : 1,  customerIp : "192.168.1.2",
                        customerUserAgent : "Agent",  merchantIp : "127.0.0.1",…}
        }
    }
}
```

GET CLIENT

LIVE URL : https://reporting.rpdpymnt.com/api/v3/client

TEST URL : https://sandbox-reporting.rpdpymnt.com/api/v3/client

Post parameters

Parameter name	Details	Example	Type	Mandatory
transactionId	Our unique transaction identifier.	529-1438673740-2	Char(32)	✔

Header parameters

Parameter name	Details	Example	Type	Mandatory
Authorization	JWT token generated in merchant login.	eyJ0eXAiOiJKV1QiLCJhbG ciOiJIUzl1NiJ9.eyJtZXJjaG FudFVzZXJJZCI6MSwicm9 sZSI6ImFkbWluIiw	Text	✔

✔ Only one parameter is required.

Response parameters

Parameter name	Details	Example	Type	Always there
customerInfo	Customer Info	email, billingFirstName	Array	

Request

Post parameters

```
{

        transactionId : "1-1444392550-1"

}
```

Header parameters

```
{

        Authorization : "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZXJjaGFudFVzZXJJ
                ZCI6MSwicm9sZSI6ImFkbWluIiwibWVyY2hhbnRJZCI6MSwic3ViTWVyY
                hhbnRJZHMiOltdLCJ0aW1lc3RhbXAiOjE0NDQzODk4ODB9.zPxVu4fk
                y1uG2fO3X2RbxiI4otK_HG7M4MMTB298"

}
```

Successful Response

```
{

        customerInfo :{

                id : 1,

                created_at : "2015-10-09 12:09:10",

                updated_at : "2015-10-09 12:09:10",

                deleted_at : null,

                number : "401288XXXXXX1881",

                expiryMonth : "6",

                expiryYear : "2017",

                startMonth : null,

                startYear : null,

                issueNumber : null,

                email : "michael@gmail.com",

                birthday : "1986-03-20 12:09:10",

                gender : null,

                billingTitle : null,
```

```
            billingFirstName : "Michael",

            billingLastName : "Kara",

            billingCompany : null,

            billingAddress1 : "test address",

            billingAddress2 : null,

            billingCity : "Antalya",

            billingPostcode : "07070",

            billingState : null,

            billingCountry : "TR",

            billingPhone : null,

            billingFax : null,

            shippingTitle : null,

            shippingFirstName : "Michael",

            shippingLastName : "Kara",

            shippingCompany : null,

            shippingAddress1 : "test address",

            shippingAddress2 : null,

            shippingCity : "Antalya",

            shippingPostcode : "07070",

            shippingState : null,

            shippingCountry : "TR",

            shippingPhone : null,

            shippingFax : null
        }
}
```