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VPO.GateWay Transactions. Querying V 1.3

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1. Document summary

1.1. Purpose

GateWay is used for external systems, partners to interact with VPO internal system. There are three types of interaction through GateWay: products querying, transaction creating and transaction querying.

This document describes transaction information querying of GateWay interface. It is assumed, that you are familiarized with general part document of GateWay (see related documents).

1.2. Revision history

Version	Date	Description	Author
1.0	2015-10-08	Initial version	Andrius Vosylius
1.1	2016-02-09	Added Terminal attribute	Andrius Vosylius
1.2	2019-03-25	Kind clarification	Andrius Vosylius
1.3	2023-05-21	Quantity	Andrius Vosylius

1.3. Definitions

Definition	Description
GateWay	VPO transaction creating and querying solution
XML	Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable

1.4. Related documents

Document name	File name with extension
Vpo. GateWay. General	VPO.GateWay.0.General.vX.En.docx
Vpo. GateWay. Transactions. Creating	VPO.GateWay.1.Transactions.Creating.vX.En.docx

2. Transaction information querying commands

GateWay interface use cases for transaction information querying are shown below:

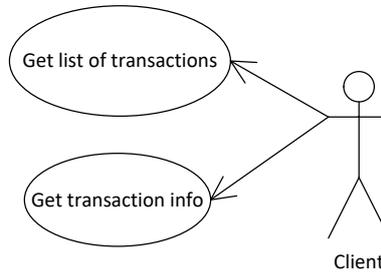


Figure 1: GateWay. Transaction information querying

Main command XML structure for transaction quering is defined below:

```

<Transactions>
  <!-- Command -->
</Transactions>
  
```

The following sections describe each of the commands in more detail.

2.1. Transactions.Info command

Transaction detail information returns command “Info”. XML structure is defined below:

```

<Transactions>
  <Info TransactionId="" PartnerTransactionId="" />
</Transactions>
  
```

Info attributes description:

Name	Type	Mandatory	Description
TransactionId	BigInt	No (Yes – if PartnerTransactionId is empty)	Id of transaction created in GateWay
PartnerTransactionId	String(64)	No (Yes – if TransactionId is empty)	Client (external system) transaction id

One of attribute is required for getting transaction. If both attributes are set TransactionId is used for getting detail information of transaction by default.

Request example:

```

<Request>
  <Data RequestId="1" Source="Source">
    <Transactions>
      <Info TransactionId="1" />
    </Transactions>
  </Data>
  <Signature>
    k1gyeb4EMyWuwExQLT5yh2r2Vcnh2L6ZEXuVixrDLO7V8SnHioQYBehoOmirnwdCQ647JmKYZAA7O1
    wNzSkxTa83+I3J4AI0QUUn8GM3jFqnuqt6mI0Hyb/Dbzil8TIXMKazJ3CG9I9uCFctJAibDfmMe0f5F7K0V
    RXf3F9syZbKljp25QhICu7feq05xLsnqby+yMO3V7731yZApDz7nYyBqAQAUL535aH5Rs5QA8vmCigI7k
    4MPDBLOnS5NQWxsOV8KKBJ+hJxR27rmePVmb2GqPpcFKQIJNoFZDNvLHFmuy3alm7G4ixuso75gl
    OZIWjsj+iSiBDUot8bvTqZQ==
  </Signature>
</Request>
  
```

GateWay returns following XML response:

```

<Transactions>
  <Info>
    <Transaction
      TransactionId=""
      PartnerTransactionId=""
      Product=""
      Barcode=""
      Created=""
      Price=""
      UnitPrice=""
      Quantity=""
      Tax=""
      Source=""
      ReceiptNo=""
      Status=""
      SalesPlace=""
      Terminal=""
      Kind=""
    />
  </Info>
</Transactions>

```

Transaction attributes description:

Name	Type	Mandatory	Description
TransactionId	BigInt	Yes	Id of transaction created in GateWay
PartnerTransactionId	String(64)	Yes	Client (external system) transaction id
Product	String(14)	Yes	Product identifier
Barcode	String(50)	No	Identifier (e.g. Card number, payee identifier and etc.)
Created	DateTime	Yes	Transaction creation date and time (2015-10-01T08:25:18)
Price	Decimal(12,2)	Yes	Transaction amount (50.00) – price
UnitPrice	Decimal(12,2)	Yes	Unit price
Quantity	Int	Yes	Quantity
Tax	Decimal(12,2)	Yes	Transaction tax (3.00)
Source	String(200)	Yes	Transaction source
ReceiptNo	Int	No	Receipt number
Status	String(200)	Yes	Transaction status (Reserved, Committed, Rollbacked, Commit approved, Commit forced, Rollback approved, Rollback forced)
SalesPlace	String(50)	No	Place name (store or kiosk no) where transaction was made
Terminal	String(50)	No	Terminal Id (cashregister no.) where transaction was made
Kind	String(50)	No	If transaction was cash in, attribute is missed, else if cash out, returns "CashOut"

Response example:

```

<Response>
  <Transactions>

```

```

<Info>
  <Transaction
    TransactionId="1"
    PartnerTransactionId="1"
    Product="Bill"
    Barcode="20707000010719"
    Created="2015-10-01T08:25:18"
    Price="50.00"
    UnitPrice="50.00"
    Quantity="1"
    Tax="3.00"
    Source="Source"
    ReceiptNo="1"
    Status="Reserved"
    SalesPlace="SalesPlace"
    Terminal="Terminal" />
  </Info>
</Transactions>
</Response >

```

2.2. Transactions.List command

Transactions detail information returns command "List". XML structure is defined below:

```

<Transactions>
  <List Product="" DateFrom="" DateTill="" />
</Transactions>

```

List attributes description:

Name	Type	Mandatory	Description
Product	String(14)	No	Product identifier
DateFrom	DateTime	Yes	Transactions from defined date (2015-10-01T08:25:18)
DateTill	DateTime	Yes	Transactions till defined date (2015-10-01T08:25:18)

Request example:

```

<Request>
  <Data RequestId="1" Source="Source">
    <Transactions>
      <List Product="Bill" DateFrom="2015-10-01T08:25:18" DateTill="2015-10-01T08:25:18" />
    </Transactions>
  </Data>
  <Signature>
    EwPkBetBdOBf4I42OAwQfEPaOD5iz9+SnoHg0qQry38FfW41QqpOQTZp/EedXFfsl+vZpuH4xO8m+eLH
    o4N+hA2rge3m0rSk3MEwI/Kk9ICseZFmYw3GcC5A4+c1y0w2YhSV9j3K91pzLiEtfRpy0A75XCVTSbH
    QbhXCIG4Y4FchpT9+gs9CD6P0kp/Pmyy/hz75wOmVMN/hXaEgu3KelCzPCLy7kpYm6cgJlGa0+dEvAa
    HH+4VRSv+GKN5U1xgyLIIVm50lrcuUieQjeb1aQw4XGsOwMif73HDCbV2dR1ynK80WfCAdjP+8OE/Fbl
    5/k88Yaj0oDezhnEtNSilQ==
  </Signature>
</Request>

```

After successful transactions information collection GateWay returns following XML response:

```

<Transactions>
  <Info>
    <T I="" T="" P="" B="" D="" A="" U="" Q="" X="" C="" R="" S="" L="" E="" K="" />
    <T I="" T="" P="" B="" D="" A="" U="" Q="" X="" C="" R="" S="" L="" E="" K="" />
  </Info>
</Transactions>

```

<T I="" T="" P="" B="" D="" A="" U="" Q="" X="" C="" R="" S="" L="" E="" K="" />

</Info>

</Transactions>

T attributes description:

Name	Type	Mandatory	Description
I	BigInt	Yes	Id of transaction created in GateWay - TransactionId
T	String(64)	Yes	Client (external system) transaction id - PartnerTransactionId
P	String(14)	Yes	Product identificator - Product
B	String(50)	No	Identifier (e.g. Card number, payee identificator and etc.) - Barcode
D	DateTime	Yes	Transaction creation date and time (2015-10-01T08:25:18)
A	Decimal(12,2)	Yes	Transaction amount (10.00) - price
U	Decimal(12,2)	Yes	Unit price
Q	Int	Yes	Items quantity
X	Decimal(12,2)	Yes	Transaction tax (5.00) - Tax
C	String(200)	Yes	Transaction source - Source
R	Int	Yes	Receipt number - ReceiptNo
S	String(200)	Yes	Transaction status (Reserved, Committed, Rollbacked, Commit approved, Commit forced, Rollback approved, Rollback forced) – Status
L	String(50)	No	Place name (store or kiosk no) where transaction was made
E	String(50)	No	Terminal Id (cashregister no.) where transaction was made
K	String(50)	No	If transaction was cash in, attribute is missed, else if cash out, returns "CashOut"

Response example:

```
<Response>
  <Transactions>
    <List>
      <T I="152348" T="12" P="55864845138" B="55864845138" D="2012-01-10T01:02:01" A="10.00"
        U="10.00" Q="1" X="5.00" C="Source" R="123" S="Reserved" L="SalesPalce" E="Terminal" />
      <T I="152348" T="12" P="55864845138" B="55864845138" D="2012-01-10T01:02:01" A="10.00"
        U="10.00" Q="1" X="5.00" C="Source" R="123" S="Committed" L="SalesPalce" E="Terminal" />
      <T I="152348" T="12" P="55864845138" B="55864845138" D="2012-01-10T01:02:01" A="10.00"
        U="10.00" Q="1" X="5.00" C="Source" R="123" S="Rollbacked" L="SalesPalce" E="Terminal" />
      <T I="152348" T="12" P="45864845138" B="85864845138" D="2013-02-19T01:02:01" A="12.00"
        U="12.00" Q="1" X="5.00" C="Source" R="123" S="Committed" L="SalesPalce" E="Terminal"
        K="CashOut" />
    </List>
  </Transactions>
</Response >
```