

# TotalTransact™



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## TotalTransact Integration Guide

June 1, 2010

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## 1 Welcome

Welcome to *TotalTransact™*, a suite of payment acceptance and initiation services tailored for merchants and business who accept eCheck, Card, and/or Remote Deposit Capture (RDC). This document, *TotalTransact* Integrator's Guide, explains how you can integrate your applications with the functionality provided through *TotalTransact* Web Services.

*TotalTransact* is composed of three products: eCheck, Card, and RDC. As a systems integrator, you may choose to integrate to one or more of these products.

*TotalTransact* eCheck enables merchants to accept and initiate eCheck payments from their customer's checking and savings accounts using the Automated Clearing House (ACH) system and have those collected payments deposited into the merchant's bank account. Using *TotalTransact* eCheck, merchants can electronically debit their customer's bank accounts one-time or set up recurring payments or payments based on an agreed upon schedule. Merchants can also send funds to a recipient or designate multiple recipients by debiting their own bank account and crediting the recipients' bank accounts. Applications which integrate with *TotalTransact* to use *TotalTransact* eCheck can initiate both one-time and set up recurring eCheck payments and obtain reporting information concerning the status of a payment or payments.

*TotalTransact* Card provides merchants with the ability to accept and process credit and debit card payments. Card present and card not present transactions are both supported. Applications which integrate with *TotalTransact* to use *TotalTransact* Card can initiate both one-time and set up recurring card payments and obtain reporting information concerning the status of a payment or payments.

*TotalTransact* RDC frees merchants from physically taking checks to their bank(s) for deposit by capturing the front and rear images of the check and submitting the images and check data electronically to *TotalTransact*. Upon receipt of the electronic check deposits, *TotalTransact* RDC clears the scanned checks on behalf of the merchants. Because *TotalTransact* RDC processes physical checks, applications which integrate with *TotalTransact* can only obtain reporting information concerning the status of the checks.

With *TotalTransact*, once payments are cleared and settled, the funds from the deposited ACH, card, or physical checks will be transferred to the merchants' bank accounts via an Automated Clearing House (ACH) credit. This allows merchants to keep their existing banking relationships while taking advantage of the convenience and benefits of *TotalTransact*.

### 1.1 Purpose

The purpose of this Integration Guide is to explain to *TotalTransact* clients, channel partners, and system integrators the *TotalTransact* Web Services integration option. The document is intended to be a reference guide, instead of a tutorial.

Batch interface specifications, including NACHA and NetDeposit Batch Payment Request File formats, Online Payment Page, HTTPS POST interface, and report formats are available as separate documents.

PayForward (or ACH credit origination) Web Services shall be provided in a subsequent release of this document.

## 1.2 Who Should Read This Guide?

This guide is for system integrators that need detailed information about the *TotalTransact* Web Services integration option.

### 1.2.1 Required Knowledge and Skills

Use of this guide assumes you are familiar with the following:

- HTML (For an overview, go to the [W3 Schools HTML Tutorial](#))
- HyperText Transfer Protocol (HTTP)
- XML (For an overview, go to the [W3 Schools XML Tutorial](#))
- Basic understanding of web services (go to [W3 Schools Web Services Tutorial](#))
- One or more programming languages (PHP, Python, Cold Fusion, C, C++, C#, Java)

You should also have set up your development environment, and have a general understanding of the *TotalTransact* service.

## 1.3 Reader Feedback

NetDeposit strives to make our guides as complete, error-free, and easy to read as possible. You can help improve our guides by sending your feedback and questions via email at [totaltransact-support@netdeposit.com](mailto:totaltransact-support@netdeposit.com).

## 1.4 How This Guide Is Organized?

This guide is organized into several major sections described in the following table.

Information	Relevant Sections
Overview of the APIs and conventions	Web Services API Overview
Comprehensive reference to the Web Services APIs	Web Services API
A quick tutorial specifying the sequence in which web service methods should be invoked for common payment acceptance Use Cases	Common Payment Acceptance Use Cases

## 1.5 TotalTransact Resources

The following table lists related resources that you'll find useful as you determine how to integrate with *TotalTransact*.

Resource	Description
TotalTransact Online Payment Page Specification.pdf	Describes how merchants can configure the NetDeposit-hosted web form to collect Card and/or eCheck payments from the Internet.
TotalTransact HTTPS POST Specification.pdf	Describes how merchants can invoke an

	HTTPS POST interface to submit Card and/or eCheck payments.
TotalTransact Card eCheck Batch Payment Request File Specification.pdf	Defines the batch file layout used by merchants to submit batches of Card and/or eCheck payments.
TotalTransact Card eCheck Export File Specification.pdf	Specifies the export file layout supported by NetDeposit to report transactions processed (Card and eCheck), disbursed (eCheck only) and returned (eCheck only).
TotalTransact RDC Export FileSpecification.pdf	Specifies the export file layout supported by NetDeposit to report Check 21 transactions processed, disbursed and returned.

## 2 Web Services API Overview

This section discusses the operations available in TotalTransact Web Services APIs and their semantics. Examples of requests and responses are also provided. The schematic on the following page shows the TotalTransact business processes exposed through the Web Services API.

TotalTransact WebServices API			
Customer Web Services Methods	Payment Web Services Methods	Advanced Payment Web Services Methods	Miscellaneous Web Services Methods
Create a Customer	Create a Payment	Create a locked Payment	Query a Bank's Route/Transit Number
Modify a Customer	Authorize a Credit Card Payment	Create a Payment Schedule	Check for a valid Route/Transit Number
Modify a Customer's Credit Card	Get information on a Payment	Create a Payment Schedule by Amount	Check for a valid Credit Card Number
Modify a Customer's Bank Account	Query Pending Payments	Create a Payment Schedule by Count	Find the type of a Credit Card
Find a Customer	Query all active Payments	Create a Recurring Payment Schedule	Check if a Credit Card is expired
Get a Customer's Information	Query all Payments	Create a Pending Payment	Query the API version being called
Query all active customers for that Client/Merchant	Create a Payment Alert	Cancel a future Payment	Query Settings
Query a Customer's Payment history	Query Payment Alerts	Preview a Schedule Payment by Amount	
Delete a Customer		Preview a Schedule Payment by Count	
REQUIRES AUTHENTICATION			DOES NOT REQUIRE AUTHENTICATION



## 2.1 Web Services API Methods

Web Services API methods encapsulate the possible interactions with TotalTransact. These can be viewed as remote procedure calls and consist of a request and response message pair.

## 2.2 Data Types and the TotalTransact WSDL

The current version of the TotalTransact WSDL is available at:

<https://secure.modpay.com/ws/modpay.asmx?wsdl>

Some Integrated Development Environments (IDE) can generate code directly from the WSDL. Other libraries require a little more work on your part. Values provided as parameters to the various operations must be of the indicated type.

Standard XSD types (like `string`, `boolean`, `int`) and complex types defined by the TotalTransact WSDL are prefixed with `s:`

## 2.3 API Versioning

Because features and changes can introduce incompatible API changes, all TotalTransact API updates are versioned. By including a version in the request, clients receive responses they can process. Each API revision is assigned a version in date form.

This version is included in the request as part of the document namespace when referencing the TotalTransact API and as a Version parameter when using individual Web Services method. The response that TotalTransact returns honors the version included in the request.

SOAP clients that retrieve the TotalTransact WSDL at runtime and generate their requests dynamically using that WSDL should reference the WSDL for the version of the API that the client was developed against. This ensures that the client software continues to work even if backward incompatible API changes are introduced.

## 2.4 API Invocation

The TotalTransact Web Services can be reached at <https://secure.modpay.com/ws/>. The specific Web Services method is invoked through the URL:

- `https://secure.modpay.com/ws/<Web Services Method>`

For Web services methods which require authentication, the Web Services caller must provide their Client ID and their corresponding Web Services password. The Web Services password is a *TotalTransact*-generated alphanumeric token produced upon request through the *TotalTransact* Portal. An administrative user for the merchant can generate the Web Services password by logging into the *TotalTransact* Portal, navigating to View/Edit Settings, Web Services Settings, and selecting the “Generate New Webservices Password” button. You can change your password at any time. However, once you have TotalTransact regenerate the password, you will need to update your application invoking the TotalTransact Web Services.



### 3 Web Services API

#### 3.1 Customer and Account Provisioning Methods

The Customer and Account Provisioning Methods allow the caller to create and manage the customers' (e.g., payers') information, including contact and payment information. Within *TotalTransact*, each Customer has a unique *TotalTransact*-generated Customer ID. Each time the caller wishes to update the customer's information or initiate a payment or payment schedule, the Customer ID must be included in the request.

##### 3.1.1 CreateCustomer

###### Description

This method creates a new customer in the *TotalTransact* system and returns a customer identifier (custId) that must be supplied in subsequent operations dealing with this customer. For example if you want to create a payment or a billing schedule, modify the customer information, you need to supply this customer identifier.

###### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
acctNum (string)	A unique customer identifier in the client's system that the client passes to identify the customer. This value will be made available in the Web and file-based reports produced by <i>TotalTransact</i> .	No
firstName (string)	First name of the customer.	No
lastName (string)	Last name of the customer.	No
address (string)	Address of the customer.	No
city (string)	City the customer lives in.	No
state (string)	State the customer lives in.	No
zip (string)	ZIP Code of the city the customer lives in.	No
phone (string)	Customer's primary contact number.	No
fax (string)	Customer's primary fax number.	No
email (string)	Customer's primary email address.	No

###### Response Elements

Name	Description
customerId (long)	Unique customer identifier assigned to

customer when a customer is created by CreateCustomer() method or created though *TotalTransact* Portal.

**Note:** The <CreateCustomerResult> tag returns the customerId.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:CreateCustomer&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt;  &lt;ws:clientIdCode&gt;15152CC0&lt;/ws:clientIdCode&gt; &gt;       &lt;!--Optional:--&gt;       &lt;ws:acctNum&gt;?&lt;/ws:acctNum&gt;       &lt;!--Optional:--&gt;  &lt;ws:firstName&gt;TestWeb&lt;/ws:firstName&gt;       &lt;!--Optional:--&gt;  &lt;ws:lastName&gt;Results&lt;/ws:lastName&gt;       &lt;!--Optional:--&gt;       &lt;ws:address&gt;Test&lt;/ws:address&gt;       &lt;!--Optional:--&gt;       &lt;ws:city&gt;SLC&lt;/ws:city&gt;       &lt;!--Optional:--&gt;       &lt;ws:state&gt;UT&lt;/ws:state&gt;       &lt;!--Optional:--&gt;       &lt;ws:zip&gt;84121&lt;/ws:zip&gt;       &lt;!--Optional:--&gt;       &lt;ws:phone&gt;?&lt;/ws:phone&gt;       &lt;!--Optional:--&gt;       &lt;ws:fax&gt;?&lt;/ws:fax&gt;       &lt;!--Optional:--&gt;  &lt;ws:email&gt;dkumar@netdeposit.com&lt;/ws:email&gt;     &lt;/ws:CreateCustomer&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;CreateCustomerResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;CreateCustomerResult&gt;15128995&lt;/CreateCustomerResult&gt;     &lt;/CreateCustomerResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>

## Related Operations

ModifyCustomerBankAcct

ModifyCustomerCreditCard

**Note:** Invoking CreateCustomer method should be followed by an invocation of either ModifyCustomerBankAcct or ModifyCustomerCreditCard to add bank account or credit card payment information respectively to the customer. Failure to do this will result in the creation of a customer without any payment instruments associated with customer. Subsequent attempts to create a payment with a customer who has no payment instruments will return an error.

## 3.1.2 ModifyCustomer

### Description

This method modifies an existing customer's information in the *TotalTransact* system and returns a customer identifier (custId) that must be supplied in subsequent operations dealing with this customer. For example if you want to create a payment or a billing schedule, modify the customer information, you need to supply this customer identifier.

### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes
acctNum (string)	A unique customer identifier in the client's system that the client passes to identify the customer. This value will be made available in the Web and file-based reports produced by <i>TotalTransact</i> .	No
firstName (string)	First name of the customer.	No
lastName (string)	Last name of the customer.	No
address (string)	Address of the customer.	No
city (string)	City the customer lives in.	No
state (string)	State the customer lives in.	No
zip (string)	ZIP Code of the city the customer lives in.	No
phone (string)	Customer's primary contact number.	No
fax (string)	Customer's primary fax number.	No
email (string)	Customer's primary email address.	No

### Response Elements

Name	Description
customerId (long)	Unique customer identifier assigned to

customer when a customer is created by CreateCustomer() method or created though *TotalTransact* Portal.

**Note:** The <ModifyCustomerResult> tag returns the customerId.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:ModifyCustomer&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;!--Optional:--&gt;   &lt;ws:acctNum&gt;?&lt;/ws:acctNum&gt;   &lt;!--Optional:--&gt;  &lt;ws:firstName&gt;?&lt;/ws:firstName&gt;   &lt;!--Optional:--&gt;   &lt;ws:lastName&gt;?&lt;/ws:lastName&gt;   &lt;!--Optional:--&gt;   &lt;ws:address&gt;?&lt;/ws:address&gt;   &lt;!--Optional:--&gt;   &lt;ws:city&gt;?&lt;/ws:city&gt;   &lt;!--Optional:--&gt;   &lt;ws:state&gt;?&lt;/ws:state&gt;   &lt;!--Optional:--&gt;   &lt;ws:zip&gt;?&lt;/ws:zip&gt;   &lt;!--Optional:--&gt;   &lt;ws:phone&gt;?&lt;/ws:phone&gt;   &lt;!--Optional:--&gt;   &lt;ws:fax&gt;?&lt;/ws:fax&gt;   &lt;!--Optional:--&gt;  &lt;ws:email&gt;test@test.com&lt;/ws:email&gt;     &lt;/ws:ModifyCustomer&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;ModifyCustomerResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;ModifyCustomerResult&gt;15128995&lt;/ModifyCustomerResult&gt;     &lt;/ModifyCustomerResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>

## Related Operations

None

### 3.1.3 ModifyCustomerCreditCard

#### Description

This method adds or modifies an existing customer's card information in the *TotalTransact* system and returns a customer identifier (custId) after a successful addition or modification that must be supplied in subsequent operations dealing with this customer.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes
ccName	Name on the Customer's card.	Yes
ccNum	Customer card number.	Yes
expMonth	Expiration month on Customer's card.	Yes
expYear	Expiration year on the Customer's card.	Yes

#### Response Elements

Name	Description
customerId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> Portal. <b>Note:</b> The <ModifyCustomerCreditCardResult> tag returns the customerId.

#### Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xml soap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;</pre>

<pre> &lt;ws:ModifyCustomerCreditCard&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;      &lt;ws:ccName&gt;Test     Name&lt;/ws:ccName&gt;  &lt;ws:ccNum&gt;4111111111111111&lt;/ws:ccNum&gt;  &lt;ws:expMonth&gt;10&lt;/ws:expMonth&gt;  &lt;ws:expYear&gt;2011&lt;/ws:expYear&gt;  &lt;/ws:ModifyCustomerCreditCard&gt;     &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;ModifyCustomerCreditCardResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;ModifyCustomerCreditCardResult&gt;15128995&lt;/ ModifyCustomerCreditCardResult&gt;     &lt;/ModifyCustomerCreditCardResponse&gt;     &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	---

## Related Operations

None

### 3.1.4 ModifyCustomerBankAcct

#### Description

This method adds or modifies an existing customer's bank information in the *TotalTransact* system and returns a customer identifier (custId) after a successful addition or modification that must be supplied in subsequent operations dealing with this customer.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes
bankAcctName (string)	Customer's bank account name.	No
routingAba (int)	Customer's bank Route/Transit number.	No
bankAcctNum (long)	Customer's bank account number.	No
bankAcctType (string)	Customer's bank account type. It can be	No

	"checking" or savings"	
--	------------------------	--

## Response Elements

Name	Description
customerId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> Portal. <b>Note:</b> The <ModifyCustomerBankAcctResult> tag returns the customerId.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmls oap.org/soap/envelope/" xmlns:ws="https://secure.modpay.co m/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:ModifyCustomerBankAcct&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientId&gt;15152CC0&lt;/ws:client Code&gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;!--Optional:--&gt;  &lt;ws:bankAcctName&gt;ZFNB&lt;/ws:bankAcct Name&gt;   &lt;!--Optional:--&gt;  &lt;ws:routingAba&gt;124000054&lt;/ws:routi ngAba&gt;   &lt;!--Optional:--&gt;  &lt;ws:bankAcctNum&gt;987654321&lt;/ws:bank AcctNum&gt;   &lt;!--Optional:--&gt;  &lt;ws:bankAcctType&gt;checking&lt;/ws:bank AcctType&gt;     &lt;/ws:ModifyCustomerBankAcct&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/so ap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSche ma-instance" xmlns:xsd="http://www.w3.org/2001/XMLSche ma"&gt;   &lt;soap:Body&gt;     &lt;ModifyCustomerBankAcctResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;ModifyCustomerBankAcctResult&gt;15128995&lt;/M odifyCustomerBankAcctResult&gt;     &lt;/ModifyCustomerBankAcctResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

## Related Operations

None



### 3.1.5 GetCustomerInfo

#### Description

This method queries an existing customer's information in the *TotalTransact* system and returns a customer identifier (custId) after a successful addition or modification that must be supplied in subsequent operations dealing with this customer.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> Portal.	Yes

#### Response Elements

Name	Description
returnCode (int)	Return value indicating success or failure. A value of 1 indicates success. All other values indicate failure.
firstName (string)	Customer's first name.
lastName (string)	Customer's last name.
address (string)	Address of the customer.
city (string)	City the customer lives in.
state (string)	State the customer lives in.
zip (string)	ZIP Code of the city the customer lives in.
phone (string)	Customer's primary contact number.
fax (string)	Customer's primary fax number.
email (string)	Customer's primary email address.
cDate (dateTime)	Date when the customer was created in <i>TotalTransact</i> .

#### Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;</pre>

<pre> &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt;   &lt;ws:GetCustomerInfo&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;/ws:GetCustomerInfo&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> xmlns:xsd="http://www.w3.org/2001/XMLSchema"   &lt;soap:Body&gt;     &lt;GetCustomerInfoResponse xmlns="https://secure.modpay.com/ws/" "&gt;       &lt;GetCustomerInfoResult&gt;  &lt;returnCode&gt;1&lt;/returnCode&gt;       &lt;account&gt;?&lt;/account&gt;  &lt;firstName&gt;TestWeb&lt;/firstName&gt;  &lt;lastName&gt;Results&lt;/lastName&gt;       &lt;address&gt;Test&lt;/address&gt;       &lt;city&gt;SLC&lt;/city&gt;       &lt;state&gt;UT&lt;/state&gt;       &lt;zip&gt;84121&lt;/zip&gt;       &lt;phone&gt;?&lt;/phone&gt;       &lt;fax&gt;?&lt;/fax&gt;  &lt;email&gt;test@test.com&lt;/email&gt;  &lt;cDate&gt;06/03/2010&lt;/cDate&gt;       &lt;/GetCustomerInfoResult&gt;     &lt;/GetCustomerInfoResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	---

**Related Operations**

None

**3.1.6 QueryActiveCustomers****Description**

This method returns customer information for all customers related to a client in the *TotalTransact* system.

**Request Parameters**

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes

**Response Elements**

Name	Description
account (string)	Name on the customer's account.
firstName (string)	First name of the customer.
lastName (string)	Last name of the customer.
address (string)	Address of the customer.
city (string)	City the customer lives in.
state (string)	State the customer lives in.
zip	ZIP Code of the city the customer lives in.
phone	Customer's primary contact number.
fax	Customer's primary fax number.
email (string)	Customer's primary email address.
entryDate (dateTime)	Date when the customer was created in <i>TotalTransact</i> .

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:QueryActiveCustomers&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;     &lt;/ws:QueryActiveCustomers&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;QueryActiveCustomersResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;QueryActiveCustomersResult&gt;   &lt;xs:schema id="ActiveCustomers" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;     &lt;xs:element name="ActiveCustomers" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"&gt;       &lt;xs:complexType&gt;         &lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt;           &lt;xs:element name="ActiveCustomer"&gt;  &lt;xs:complexType&gt;  &lt;xs:sequence&gt;  &lt;xs:element name="account" type="xs:string" minOccurs="0"/&gt; </pre>

```

<xs:element name="firstName"
type="xs:string" minOccurs="0"/>

<xs:element name="lastName"
type="xs:string" minOccurs="0"/>

<xs:element name="address"
type="xs:string" minOccurs="0"/>

<xs:element name="city"
type="xs:string" minOccurs="0"/>

<xs:element name="state"
type="xs:string" minOccurs="0"/>

<xs:element name="zip"
type="xs:string" minOccurs="0"/>

<xs:element name="phone"
type="xs:string" minOccurs="0"/>

<xs:element name="fax"
type="xs:string" minOccurs="0"/>

<xs:element name="email"
type="xs:string" minOccurs="0"/>

<xs:element name="entryDate"
type="xs:dateTime" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

                                </xs:choice>
                                </xs:complexType>
                                </xs:element>
                                </xs:schema>
                                <diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1">
                                <ActiveCustomers
xmlns="">
                                <ActiveCustomer
diffgr:id="ActiveCustomer1"
msdata:rowOrder="0">

<account>TestAccount</account>

<firstName>TestFirstName</firstName>

<lastName>TestLastName</lastName>

```

	<pre> &lt;address&gt;TestAddress&lt;/address&gt;       &lt;city&gt;Test City&lt;/city&gt;  &lt;state&gt;UT&lt;/state&gt;  &lt;zip&gt;84107&lt;/zip&gt;       &lt;phone&gt;555-555- 5555&lt;/phone&gt;       &lt;fax/&gt;  &lt;email&gt;test@test.com&lt;/email&gt;  &lt;entryDate&gt;2009-08-20T09:50:07.073- 06:00&lt;/entryDate&gt;       &lt;/ActiveCustomer&gt;       &lt;ActiveCustomer diffgr:id="ActiveCustomer2" msdata:rowOrder="1"&gt;  &lt;account&gt;TestAccount2&lt;/account&gt;  &lt;firstName&gt;TestFirstName2&lt;/firstName&gt; &gt;  &lt;lastName&gt;TestLastName2&lt;/lastName&gt;  &lt;address&gt;TestAddress2&lt;/address&gt;       &lt;city&gt;Test City2&lt;/city&gt;  &lt;state&gt;UT&lt;/state&gt;  &lt;zip&gt;84020&lt;/zip&gt;       &lt;phone&gt;555-555- 5555&lt;/phone&gt;       &lt;fax/&gt;  &lt;email&gt;pbuck@netdeposit.com&lt;/email&gt;  &lt;entryDate&gt;2009-08-25T12:42:42.013- 06:00&lt;/entryDate&gt;       &lt;/ActiveCustomer&gt; &lt;/ActiveCustomers&gt;       &lt;/diffgr:diffgram&gt;  &lt;/QueryActiveCustomersResult&gt;  &lt;/QueryActiveCustomersResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	--

## Related Operations

### 3.1.7 QueryCustomerHistory

#### Description

This method returns payment information for a customer related to a client in the *TotalTransact* system. The payment information includes all pending, successful, and unsuccessful payments for a customer.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes

#### Response Elements

Name	Description
billingCode (int)	Unique billing code assigned to customer's payment.
paymentDate (dateTime)	Date when the payment was initiated.
paymentType (unsigned byte)	Type of payment that was initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>1 – ACH: Either Checking or Savings account as defined in the customer record</li> <li>2 – Credit Card: Visa, Mastercard, American Express or Discover Card as defined in the customer record.</li> </ul>
paymentAmount (double)	Amount of the payment.
Status (unsigned byte)	Status of the payment.
errorMessage (string)	Error message, if any, associated with the payment.
Paid (unsigned byte)	Paid indicates whether the payment was disbursed to the client.
nsfCount (unsigned byte)	Number of non-sufficient funds retries associated with the payment if the payment was retried multiple times because of payment getting returned on account of non-sufficiency of funds.
nsfDate (dateTime)	Most recent date when the payment was

	returned.
nsfRetryDate (dateTime)	Most recent date when the payment was retried on account of a return.
Pending (unsigned byte)	Tells if the payment is pending.
effectiveDate (dateTime)	Effective date of the payment.
disbursementId (int)	Unique identifier associated with the disbursement of the funds to the client.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:QueryCustomerHistory&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;     &lt;/ws:QueryCustomerHistory&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;QueryCustomerHistoryResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;QueryCustomerHistoryResult&gt;       &lt;xs:schema id="CustomerHistory" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;         &lt;xs:element name="CustomerHistory" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"&gt;           &lt;xs:complexType&gt;             &lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt;               &lt;xs:element name="CustomerHistory"&gt;  &lt;xs:complexType&gt;  &lt;xs:sequence&gt;  &lt;xs:element name="billingCode" type="xs:int" minOccurs="0"/&gt;  &lt;xs:element name="paymentDate" type="xs:dateTime" minOccurs="0"/&gt;  &lt;xs:element name="paymentType" type="xs:unsignedByte" minOccurs="0"/&gt;  &lt;xs:element name="paymentAmount" </pre>



```

type="xs:double" minOccurs="0"/>

<xs:element name="status"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="errorMessage"
type="xs:string" minOccurs="0"/>

<xs:element name="paid"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="nsfCount"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="nsfDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="nsfRetryDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="pending"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="effectiveDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="disbursementId"
type="xs:int" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
<diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1"/>

</QueryCustomerHistoryResult>

</QueryCustomerHistoryResponse>
</soap:Body>
</soap:Envelope>

```

**Related Operations**

None

## 3.2 Payment Methods

Payment methods are used to create and manage one-time and recurring payment plans for ACH and card.

### 3.2.1 CreatePayment

#### Description

This method creates a new payment for a customer in the *TotalTransact* system. To invoke this method, a customer must already have been created with by invoking *CreateCustomer()* prior to this step. This method assumes that a bank account or a card number (or both) is associated with the customer. This method can only be used to create a single payment.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by <i>CreateCustomer()</i> method or created through <i>TotalTransact</i> portal.	Yes
pmtDate (dateTime)	Date when the payment needs to go out. pmtDate must be in the format: MM/DD/YYYY	Yes
pmtType (int)	Type of payment needs to be initiated. Payment type can be one of the following: <ul style="list-style-type: none"><li>1 – ACH: Either Checking or Savings account as defined in the customer record</li><li>2 – Credit Card: Visa, Mastercard, American Express or Discover Card as defined in the customer record.</li></ul>	Yes
pmtAmount (decimal)	Amount of payment.	Yes

#### Response Elements

Name	Description
transactionId	This method returns the Transaction Identifier of the payment created as a long integer. In case of an error, one of the following negative integers are returned: -1 – Authentication failed. -2 – CustId was not found.

	<p>-3 – An ACH payment was specified, but the customer record contains no bank account information.</p> <p>-4 – A Credit Card payment was specified but the customer record contains no credit card.</p> <p>-5 – A Credit Card payment was specified, but the customer record contains a credit card number which is not a known or supported credit card type.</p> <p>-6 – PmtType is invalid.</p>
--	---

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:CreatePayment&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;ws:pmtDate&gt;2010-07- 07&lt;/ws:pmtDate&gt;   &lt;ws:pmtType&gt;2&lt;/ws:pmtType&gt;  &lt;ws:pmtAmount&gt;0.01&lt;/ws:pmtAmount&gt;   &lt;/ws:CreatePayment&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;CreatePaymentResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;CreatePaymentResult&gt;21561999&lt;/CreatePaymentResult&gt;   &lt;/CreatePaymentResponse&gt; &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>

## Related Operations

None

### 3.2.2 AuthorizeCreditCardPayment

#### Description

This method creates a new card payment for a customer in the *TotalTransact* system. This method can only be used to create a single card payment. The card payment is a Sale (Authorization/Capture) transaction. If AuthorizeCreditCardPayment is successful, TotalTransact will include this transaction in the card batch file to the client's card processor for settlement.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes
pmtAmount (decimal)	Amount of payment.	Yes

## Response Elements

Name	Description
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.
authString (string)	Card authorization code received from the card network.
messageText (string)	Error or success message parsed from the card gateway/processor.
approved (boolean)	Approval or decline.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:AuthorizeCreditCardPayment&gt;        &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt;       &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt;     &gt;      &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;      &lt;ws:pmtAmount&gt;0.02&lt;/ws:pmtAmount&gt;     &lt;/ws:AuthorizeCreditCardPayment&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;      &lt;AuthorizeCreditCardPaymentResponse xmlns="https://secure.modpay.com/ws/"&gt;        &lt;AuthorizeCreditCardPaymentResult&gt;          &lt;transId&gt;21562076&lt;/transId&gt;         &lt;authCode/&gt;         &lt;avsCode/&gt;         &lt;transCode/&gt;          &lt;authString&gt;RESPONSECODE=D</pre>

	<pre> AUTHCODE= DECLINEREASON.1.TAG= DECLINEREASON.1.ERRORCLASS=CARD%2EDE CLINED DECLINEREASON.1.PARAM1=005:DECLINE DECLINEREASON.1.PARAM2=THE AUTHORIZATION IS DECLINED DECLINEREASON.1.MESSAGE=CARD WAS DECLINED: THE AUTHORIZATION IS DECLINED AVSDATA= TRANSID=&lt;/authString&gt;           &lt;messageText&gt;CARD WAS DECLINED: THE AUTHORIZATION IS DECLINED&lt;/messageText&gt;  &lt;approved&gt;false&lt;/approved&gt;  &lt;/AuthorizeCreditCardPaymentResult&gt;  &lt;/AuthorizeCreditCardPaymentResponse &gt;     &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	--

**Related Operations**

None

**3.2.3 GetPaymentInfo****Description**

This method returns payment information for a payment that has been processed for a customer in the *TotalTransact* system. This method can only be used to query information about an individual card or ACH payment.

**Request Parameters**

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
transId (long)	A transaction Identifier for the payment created by the <i>TotalTransact</i> system.	Yes

**Response Elements**

Name	Description
------	-------------

returnCode (int)	Return code of 1 indicates a success
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.
billingCode (int)	Unique billing code assigned to customer's payment.
transDate (dateTime)	Transaction date assigned to the payment.
effectiveDate (dateTime)	Effective date assigned to the payment.
pending (boolean)	Pending value of 1 indicates the payment is still pending and has not been paid out to the client.
amount (decimal)	Amount of the payment.
nsfCount (int)	Number of non-sufficient funds retries associated with the payment if the payment was retried multiple times because of payment getting returned on account of non-sufficiency of funds.
assocId (int)	Unique identifier for an association.
pmtType	Type of payment initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>• 1 – ACH: Either Checking or Savings account as defined in the customer record</li> <li>• 2 – Credit Card: Visa, Mastercard, American Express or Discover Card as defined in the customer record.</li> </ul>
authCode	Authorization code sent by card network for a credit card transaction. In case of an ACH payment this field will be blank.
avsCode	Address verification code (AVS) indicates if address verification came back successful. AVS check will be performed if the client mandates it to be configured in the <i>TotalTransact</i> portal.
status	Status of the payment.
errorMessage	Error message, if any, associated with the payment.
paid	Paid indicates whether the payment was disbursed to the client.
active	Active indicates if the payment is still active in the system.
disbursementId	Unique identifier associated with the disbursement of the funds to the client.
achReturnCode	ACH return code in case the payment was an ACH payment and returned by the customer's bank.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:GetPaymentInfo&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;  &lt;ws:transId&gt;21562076&lt;/ws:transId&gt;   &lt;/ws:GetPaymentInfo&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;GetPaymentInfoResponse xmlns="https://secure.modpay.com/ws/"&gt;       &lt;GetPaymentInfoResult&gt;  &lt;returnCode&gt;1&lt;/returnCode&gt;  &lt;CustId&gt;15128995&lt;/CustId&gt;  &lt;billingCode&gt;17015548&lt;/billingCode&gt;   &lt;transDate&gt;2010-06-07T00:00:00&lt;/transDate&gt;   &lt;effectiveDate&gt;0001-01-01T00:00:00&lt;/effectiveDate&gt;   &lt;pending&gt;0&lt;/pending&gt;   &lt;amount&gt;0.02&lt;/amount&gt;   &lt;nsfCount&gt;0&lt;/nsfCount&gt;   &lt;assocId&gt;0&lt;/assocId&gt;   &lt;pmtType&gt;CC&lt;/pmtType&gt;   &lt;authCode/&gt;   &lt;avsCode/&gt;   &lt;status&gt;0&lt;/status&gt;   &lt;errorMessage&gt;CARD WAS DECLINED: THE AUTHORIZATION IS DECLINED&lt;/errorMessage&gt;   &lt;paid&gt;0&lt;/paid&gt;   &lt;active&gt;0&lt;/active&gt;  &lt;disbursementId&gt;0&lt;/disbursementId&gt;   &lt;achReturnCode/&gt;   &lt;/GetPaymentInfoResult&gt; &lt;/GetPaymentInfoResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>

## Related Operations

None

### 3.2.4 QueryPendingPayments

#### Description

This method returns payment information for all payments that are pending for a client in the *TotalTransact* system. These payments have not been processed (e.g., sent to the card processor or to the bank for clearing and settlement). Payments that are pending may be voided (e.g., deleted).



## Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
beginDate (dateTime)	Beginning date of the search range.	Yes
endDate (dateTime)	Ending date of the search range.	Yes

## Response Elements

Name	Description
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.
patientAccount	Customer account name.
lastName (string)	Last name of the customer.
firstName (string)	First name of the customer.
amount (decimal)	Amount of the payment.
transDate (dateTime)	Transaction date assigned to the payment.
effectiveDate (dateTime)	Effective date assigned to the payment.
Status	Status of the payment.
Settled	Indicates if the payment has been settled.
Pending	Pending value of 1 indicates the payment is still pending and has not been paid out to the client.
errorMessage (string)	Error message, if any, associated with the payment.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema-instance"&gt;</pre>

```
<soapenv:Body>
  <ws:QueryPendingPayments>

<ws:clientId>28894</ws:clientId>
<ws:clientCode>15152CC0</ws:clientCode>
>
    <ws:beginDate>2009-12-
31</ws:beginDate>
    <ws:endDate>2010-06-
03</ws:endDate>
    </ws:QueryPendingPayments>
  </soapenv:Body>
</soapenv:Envelope>
```

```
LSchema">
  <soap:Body>
    <QueryPendingPaymentsResponse
xmlns="https://secure.modpay.com/ws/"
">

<QueryPendingPaymentsResult>
  <xs:schema
id="PendingPayments" xmlns=""
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:msdata="urn:schemas-
microsoft-com:xml-msdata">
    <xs:element
name="PendingPayments"
msdata:IsDataSet="true"
msdata:UseCurrentLocale="true">
      <xs:complexType>
        <xs:choice
minOccurs="0" maxOccurs="unbounded">
          <xs:element
name="PendingPayments">

<xs:complexType>

<xs:sequence>

<xs:element name="transId"
type="xs:int" minOccurs="0"/>

<xs:element name="custId"
type="xs:int" minOccurs="0"/>

<xs:element name="patientAccount"
type="xs:string" minOccurs="0"/>

<xs:element name="lastName"
type="xs:string" minOccurs="0"/>

<xs:element name="FirstName"
type="xs:string" minOccurs="0"/>

<xs:element name="amount"
type="xs:double" minOccurs="0"/>

<xs:element name="transDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="effectiveDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="status"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="settled"
type="xs:unsignedByte"
```

```

minOccurs="0"/>

<xs:element name="pending"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="errorMessage"
type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
<diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1"/>

</QueryPendingPaymentsResult>

</QueryPendingPaymentsResponse>
</soap:Body>
</soap:Envelope>

```

**Related Operations**

None

**3.2.5 QueryActivePayments****Description**

This method returns payment information for all payments that are active for a client for a given date range in the *TotalTransact* system.

**Request Parameters**

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
beginDate (dateTime)	Beginning date of the search range.	Yes
endDate (dateTime)	Ending date of the search range.	Yes

## Response Elements

Name	Description
transId (long)	A transaction Identifier for the payment created by the <i>TotalTransact</i> system.
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created though <i>TotalTransact</i> portal.
patientAccount	Customer account name.
lastName (string)	Last name of the customer.
firstName (string)	First name of the customer.
amount (decimal)	Amount of the payment.
transDate (dateTime)	Transaction date assigned to the payment.
effectiveDate (dateTime)	Effective date assigned to the payment.
status	Status of the payment.
settled	Indicates if the payment has been settled.
pending	Pending value of 1 indicates the payment is still pending and has not been paid out to the client.
errorMessage (string)	Error message, if any, associated with the payment.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:QueryActivePayments&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientId&gt;15152CC0&lt;/ws:clientId&gt;     &lt;ws:beginDate&gt;2010-05-27&lt;/ws:beginDate&gt;     &lt;ws:endDate&gt;2010-06-03&lt;/ws:endDate&gt;     &lt;/ws:QueryActivePayments&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;QueryActivePaymentsResponse xmlns="https://secure.modpay.com/ws/"&gt;       &lt;QueryActivePaymentsResult&gt;         &lt;xs:schema id="ActivePayments" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;           &lt;xs:element name="ActivePayments" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"&gt;             &lt;xs:complexType&gt;               &lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt; </pre>

```

<xs:element
name="ActivePayments">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="transId"
type="xs:int" minOccurs="0"/>
      <xs:element name="custId"
type="xs:int" minOccurs="0"/>
      <xs:element name="patientAccount"
type="xs:string" minOccurs="0"/>
      <xs:element name="lastName"
type="xs:string" minOccurs="0"/>
      <xs:element name="firstName"
type="xs:string" minOccurs="0"/>
      <xs:element name="amount"
type="xs:double" minOccurs="0"/>
      <xs:element name="transDate"
type="xs:dateTime" minOccurs="0"/>
      <xs:element name="effectiveDate"
type="xs:dateTime" minOccurs="0"/>
      <xs:element name="status"
type="xs:unsignedByte"
minOccurs="0"/>
      <xs:element name="settled"
type="xs:unsignedByte"
minOccurs="0"/>
      <xs:element name="pending"
type="xs:unsignedByte"
minOccurs="0"/>
      <xs:element name="errorMessage"
type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
<diffgr:diffgram

```

```

xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">
    <ActivePayments
xmlns="">
        <ActivePayments
diffgr:id="ActivePayments1"
msdata:rowOrder="0">

<transId>21065755</transId>

<custId>14434908</custId>

<patientAccount>42531779</patientAccount>

<lastName>TestLastName</lastName>

<firstName>TestFirstName</firstName>

<amount>100</amount>

<transDate>2010-05-30T00:00:00-06:00</transDate>

<effectiveDate>2010-06-01T01:07:55-06:00</effectiveDate>

<status>0</status>

<pending>0</pending>

<errorMessage>This transaction was voided on 28-May-10</errorMessage>
        </ActivePayments>
        <ActivePayments
diffgr:id="ActivePayments2"
msdata:rowOrder="1">

<transId>21399070</transId>

<custId>13279700</custId>

<patientAccount>789789</patientAccount>

<lastName>TestLastName2</lastName>

<firstName>TestFirstName2</firstName>

<amount>1</amount>

<transDate>2010-05-27T15:43:07-06:00</transDate>

```

	<pre> &lt;effectiveDate&gt;2010-05- 27T15:43:09.083- 06:00&lt;/effectiveDate&gt;  &lt;status&gt;0&lt;/status&gt;  &lt;settled&gt;1&lt;/settled&gt;  &lt;pending&gt;0&lt;/pending&gt;  &lt;errorMessage&gt;This transaction was voided on 05/27/2010&lt;/errorMessage&gt;       &lt;/ActivePayments&gt;       &lt;/ActivePayments&gt;     &lt;/diffgr:diffgram&gt;    &lt;/QueryActivePaymentsResult&gt;     &lt;/QueryActivePaymentsResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	---

## Related Operations

None

### 3.2.6 QueryAllPayments

#### Description

This method returns payment information for all payments for a client for a given date range in the *TotalTransact* system.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
beginDate (dateTime)	Beginning date of the search range.	Yes
endDate (dateTime)	Ending date of the search range.	Yes

#### Response Elements

Name	Description
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.
custId (long)	Unique customer identifier assigned to



	customer when a customer is created by CreateCustomer() method or created though <i>TotalTransact</i> portal.
patientAccount	Customer account name.
lastName (string)	Last name of the customer.
firstName (string)	First name of the customer.
amount (decimal)	Amount of the payment.
transDate (dateTime)	Transaction date assigned to the payment.
effectiveDate (dateTime)	Effective date assigned to the payment.
status	Status of the payment.
settled	Indicates if the payment has been settled.
pending	Pending value of 1 indicates the payment is still pending and has not been paid out to the client.
errorMessage (string)	Error message, if any, associated with the payment.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:QueryAllPayments&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientId&gt;15152CC0&lt;/ws:clientId&gt;     &lt;ws:beginDate&gt;2009-12-31&lt;/ws:beginDate&gt;     &lt;ws:endDate&gt;2010-06-03&lt;/ws:endDate&gt;     &lt;/ws:QueryAllPayments&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;QueryAllPaymentsResponse xmlns="https://secure.modpay.com/ws/"&gt;       &lt;QueryAllPaymentsResult&gt;         &lt;xs:schema id="AllPayments" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;           &lt;xs:element name="AllPayments" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"&gt;             &lt;xs:complexType&gt;               &lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt;                 &lt;xs:element name="AllPayments"&gt; </pre>

```

<xs:element name="transId"
type="xs:int" minOccurs="0"/>

<xs:element name="custId"
type="xs:int" minOccurs="0"/>

<xs:element name="patientAccount"
type="xs:string" minOccurs="0"/>

<xs:element name="lastName"
type="xs:string" minOccurs="0"/>

<xs:element name="FirstName"
type="xs:string" minOccurs="0"/>

<xs:element name="amount"
type="xs:double" minOccurs="0"/>

<xs:element name="transDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="effectiveDate"
type="xs:dateTime" minOccurs="0"/>

<xs:element name="status"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="settled"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="pending"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="errorMessage"
type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
<diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1">
    <AllPayments
xmlns="">
        <AllPayments

```

```

diffgr:id="AllPayments1"
msdata:rowOrder="0">

<transId>19643193</transId>

<custId>12066621</custId>

<patientAccount>9712 S Stonehaven
South Jordan, UT</patientAccount>

<lastName>Buck</lastName>

<FirstName>Phillip</FirstName>

<amount>166.67</amount>

<transDate>2010-06-01T00:00:00-
06:00</transDate>
      </AllPayments>
    <AllPayments
diffgr:id="AllPayments2"
msdata:rowOrder="1">

<transId>20384399</transId>

<custId>14132485</custId>

<patientAccount>789</patientAccount>

<lastName>Buck</lastName>

<FirstName>Phil</FirstName>

<amount>100</amount>

<transDate>2010-05-01T00:00:00-
06:00</transDate>
      </AllPayments>
    </AllPayments>
  </diffgr:diffgram>
</QueryAllPaymentsResult>
</QueryAllPaymentsResponse>
</soap:Body>
</soap:Envelope>

```

**Related Operations**

None

**3.2.7 QueryPaymentAlerts****Description**

This method returns payment alerts for a client for a given date range in the *TotalTransact* system. Transactions appear as a payment alert if the transaction was in error or was returned. Examples of payment alerts include: returned ACH entry, returned Check 21 check, or declined card transaction.

## Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
beginDate (dateTime)	Beginning date of the search range.	Yes
endDate (dateTime)	Ending date of the search range.	Yes

## Response Elements

Name	Description
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.
patientAccount	Customer account name.
lastName (string)	Last name of the customer.
firstName (string)	First name of the customer.
amount (decimal)	Amount of the payment.
transDate (dateTime)	Transaction date assigned to the payment.
effectiveDate (dateTime)	Effective date assigned to the payment.
Status	Status of the payment.
Settled	Indicates if the payment has been settled.
Pending	Pending value of 1 indicates the payment is still pending and has not been paid out to the client.
errorMessage (string)	Error message, if any, associated with the payment.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;</pre>

<pre> &lt;ws:QueryPaymentAlerts&gt; &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientId&gt;15152CC0&lt;/ws:clientId&gt; &gt;     &lt;ws:beginDate&gt;2009-12- 31&lt;/ws:beginDate&gt;     &lt;ws:endDate&gt;2010-06- 03&lt;/ws:endDate&gt;     &lt;/ws:QueryPaymentAlerts&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Body&gt;     &lt;QueryPaymentAlertsResponse xmlns="https://secure.modpay.com/ws/" &gt;         &lt;QueryPaymentAlertsResult&gt;             &lt;xs:schema id="PaymentAlerts" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas- microsoft-com:xml-msdata"&gt;                 &lt;xs:element name="PaymentAlerts" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"&gt;                     &lt;xs:complexType&gt;                         &lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt;                             &lt;xs:element name="PaymentAlerts"&gt;                                 &lt;xs:complexType&gt;                                     &lt;xs:sequence&gt;   &lt;xs:element name="transId" type="xs:int" minOccurs="0"/&gt;   &lt;xs:element name="custId" type="xs:int" minOccurs="0"/&gt;   &lt;xs:element name="patientAccount" type="xs:string" minOccurs="0"/&gt;   &lt;xs:element name="lastName" type="xs:string" minOccurs="0"/&gt;   &lt;xs:element name="FirstName" type="xs:string" minOccurs="0"/&gt;   &lt;xs:element name="amount" type="xs:double" minOccurs="0"/&gt;   &lt;xs:element name="transDate" type="xs:dateTime" minOccurs="0"/&gt;   &lt;xs:element name="effectiveDate" type="xs:dateTime" minOccurs="0"/&gt;   &lt;xs:element name="status" type="xs:unsignedByte" minOccurs="0"/&gt;   &lt;xs:element name="settled" type="xs:unsignedByte" minOccurs="0"/&gt; </pre>
---	--

```

<xs:element name="pending"
type="xs:unsignedByte"
minOccurs="0"/>

<xs:element name="errorMessage"
type="xs:string" minOccurs="0"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
<diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1">
    <PaymentAlerts
xmlns="">
        <PaymentAlerts
diffgr:id="PaymentAlerts1"
msdata:rowOrder="0">

<transId>21338011</transId>

<custId>14132485</custId>

<patientAccount>789</patientAccount>

<lastName>Buck</lastName>

<firstName>Phil</firstName>

<amount>20</amount>

<transDate>2010-05-24T11:58:32-
06:00</transDate>

<effectiveDate>2010-05-25T00:00:00-
06:00</effectiveDate>

<status>0</status>

<pending>0</pending>

<errorMessage>No account on file.
Unable to locate
account.</errorMessage>
        </PaymentAlerts>
        <PaymentAlerts
diffgr:id="PaymentAlerts2"
msdata:rowOrder="1">

```

	<pre> &lt;transId&gt;21367500&lt;/transId&gt;  &lt;custId&gt;14725400&lt;/custId&gt;  &lt;patientAccount&gt;123&lt;/patientAccount&gt;  &lt;lastName&gt;Wong&lt;/lastName&gt;  &lt;FirstName&gt;William&lt;/FirstName&gt;  &lt;amount&gt;1.01&lt;/amount&gt;  &lt;transDate&gt;2010-05-25T23:55:50- 06:00&lt;/transDate&gt;  &lt;status&gt;0&lt;/status&gt;  &lt;pending&gt;0&lt;/pending&gt;  &lt;errorMessage&gt;This transaction was voided on 25-May-10&lt;/errorMessage&gt;       &lt;/PaymentAlerts&gt;     &lt;/PaymentAlerts&gt;       &lt;/diffgr:diffgram&gt;     &lt;/QueryPaymentAlertsResult&gt;   &lt;/QueryPaymentAlertsResponse&gt; &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	--

## Related Operations

None

## 3.3 Advanced Payment Methods

### 3.3.1 CreatePaymentLocked

#### Description

This method creates a new locked payment for a customer in the *TotalTransact* system. To invoke this method, a customer must already have been created with by invoking *CreateCustomer()* prior to this step. This method assumes that a bank account or a card number (or both) is associated with the customer. This method can only be used to create a single locked payment.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your	Yes

	password at any time through the <i>TotalTransact</i> Portal.	
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> Portal.	Yes
pmtDate (dateTime)	Date when the payment needs to go out. pmtDate must be in the format: MM/DD/YYYY	Yes
pmtAmount (decimal)	Amount of payment.	Yes
pmtType (int)	Type of payment needs to be initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>1 – ACH: Either Checking or Savings account as defined in the customer record</li> <li>2 – Credit Card: Visa, Mastercard, American Express or Discover Card as defined in the customer record.</li> </ul>	Yes

## Response Elements

Name	Description
transactionId (long)	<p>This method returns the Transaction Identifier of the payment created as a long integer. In case of an error, one of the following negative integers are returned:</p> <ul style="list-style-type: none"> <li>-1 – Authentication failed.</li> <li>-2 – CustId was not found.</li> <li>-3 – An ACH payment was specified, but the customer record contains no bank account information.</li> <li>-4 – A Credit Card payment was specified but the customer record has no credit card defined.</li> <li>-5 – A Credit Card payment was specified, but the customer record contains a credit card number which is not a known or supported credit card type.</li> <li>-6 – PmtType is invalid.</li> </ul> <p><b>Note:</b> The &lt;CreatePaymentLockedResult&gt; tag returns the customerId.</p>

## Example Request and Response

Example Request	Example Response
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">	<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">



<pre> ap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com /ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:CreatePaymentLocked&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientC ode&gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;ws:pmtDate&gt;2010-11- 06&lt;/ws:pmtDate&gt;  &lt;ws:pmtAmount&gt;0.01&lt;/ws:pmtAmount&gt;   &lt;ws:pmtType&gt;2&lt;/ws:pmtType&gt;   &lt;/ws:CreatePaymentLocked&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSc hema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSc hema"&gt;   &lt;soap:Body&gt;     &lt;CreatePaymentLockedResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;CreatePaymentLockedResult&gt;21562176&lt;/Cr eatePaymentLockedResult&gt;     &lt;/CreatePaymentLockedResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	--

## Related Operations

None

### 3.3.2 CreatePaymentsByAmount

#### Description

This method creates a payment schedule given the beginning balance, and the desired payment amount for a customer in the *TotalTransact* system. The number of payments is automatically computed by the system.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
Password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created though <i>TotalTransact</i> Portal.	Yes
pmtType (int)	Type of payment needs to be initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>1 – ACH: Either Checking or Savings account as defined in the customer record</li> <li>2 – Credit Card: Visa, Mastercard, American Express or Discover Card as</li> </ul>	Yes

	defined in the customer record.	
startDate (dateTime)	Date when the payments should start.	Yes
startBalance (decimal)	Beginning balance owed by the customer.	Yes
paymentAmount (decimal)	Amount of the installment.	Yes
frequency (int)	Frequency of the payment.	Yes
interestRate (decimal)	Interest rate applied on the payment schedule.	Yes

## Response Elements

Name	Description
number (int)	Payment installment number.
date (dateTime)	Date a payment is due.
paymentAmount (decimal)	Payment installment amount.
transFee (decimal)	Transaction fee applied per payment.
interestPortion (decimal)	Payment amount that goes towards paying interest.
principlePortion (decimal)	Payment amount that goes towards paying principle.
balance (decimal)	Remiaining balance to be paid after each payment installment.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws&gt;CreatePaymentsByAmount&gt;      &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt;     &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt;     &gt;      &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;       &lt;ws:pmtType&gt;2&lt;/ws:pmtType&gt;       &lt;ws:startDate&gt;2010-07-31&lt;/ws:startDate&gt;      &lt;ws:startBalance&gt;100&lt;/ws:startBalance&gt;     &lt;ws:paymentAmount&gt;50&lt;/ws:paymentAmount&gt;     &gt;      &lt;ws:frequency&gt;12&lt;/ws:frequency&gt;      &lt;ws:interestRate&gt;0&lt;/ws:interestRate&gt;     &lt;/ws&gt;CreatePaymentsByAmount&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;      &lt;CreatePaymentsByAmountResponse xmlns="https://secure.modpay.com/ws/" "&gt;      &lt;CreatePaymentsByAmountResult&gt;      &lt;billingCode&gt;17016270&lt;/billingCode&gt;       &lt;pmtType&gt;2&lt;/pmtType&gt;      &lt;frequency&gt;12&lt;/frequency&gt;       &lt;startDate&gt;2010-07-31T00:00:00&lt;/startDate&gt;      &lt;startBalance&gt;100&lt;/startBalance&gt;      &lt;paymentAmount&gt;50&lt;/paymentAmount&gt;      &lt;annualIntRate&gt;0&lt;/annualIntRate&gt;</pre>

<pre> &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;transFee&gt;0&lt;/transFee&gt;  &lt;paymentCount&gt;2&lt;/paymentCount&gt;   &lt;errorMessage/&gt;  &lt;returnCode&gt;0&lt;/returnCode&gt;   &lt;Payments&gt;     &lt;xs:schema       id="NewDataSet" xmlns=""       xmlns:xs="http://www.w3.org/2001/XMLSchema"       xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;       &lt;xs:element         name="NewDataSet"         msdata:IsDataSet="true"         msdata:MainDataTable="Payments"         msdata:UseCurrentLocale="true"&gt;          &lt;xs:complexType&gt;           &lt;xs:choice             minOccurs="0" maxOccurs="unbounded"&gt;              &lt;xs:element name="Payments"&gt;              &lt;xs:complexType&gt;              &lt;xs:sequence&gt;              &lt;xs:element name="number"               type="xs:int" minOccurs="0"/&gt;              &lt;xs:element name="date"               type="xs:dateTime" minOccurs="0"/&gt;              &lt;xs:element name="paymentAmount"               type="xs:double" minOccurs="0"/&gt;              &lt;xs:element name="transFee"               type="xs:double" minOccurs="0"/&gt;              &lt;xs:element name="interestPortion"               type="xs:double" minOccurs="0"/&gt;              &lt;xs:element name="principlePortion"               type="xs:double" minOccurs="0"/&gt;              &lt;xs:element name="balance"               type="xs:double" minOccurs="0"/&gt;              &lt;/xs:sequence&gt;              &lt;/xs:complexType&gt;              &lt;/xs:element&gt;            &lt;/xs:choice&gt; </pre>
--	--

```

</xs:complexType>
    </xs:element>
  </xs:schema>
  <diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1">
    <DocumentElement
xmlns="">
      <Payments
diffgr:id="Payments1"
msdata:rowOrder="0"
diffgr:hasChanges="inserted">
        <number>1</number>
        <date>2010-
07-31T00:00:00-06:00</date>
        <paymentAmount>50</paymentAmount>
        <transFee>0</transFee>
        <interestPortion>0</interestPortion>
        <principlePortion>50</principlePorti
on>
        <balance>50</balance>
      </Payments>
    <Payments
diffgr:id="Payments2"
msdata:rowOrder="1"
diffgr:hasChanges="inserted">
        <number>2</number>
        <date>2010-
08-31T00:00:00-06:00</date>
        <paymentAmount>50</paymentAmount>
        <transFee>0</transFee>
        <interestPortion>0</interestPortion>
        <principlePortion>50</principlePorti
on>
        <balance>0</balance>
      </Payments>
    </DocumentElement>
  </diffgr:diffgram>
</Payments>

</CreatePaymentsByAmountResult>

```

	<pre>&lt;/CreatePaymentsByAmountResponse&gt; &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>
--	--

## Related Operations

None

### 3.3.3 CreatePaymentsByCount

#### Description

This method creates a payment schedule given the beginning balance, and the desired number of payments for a customer in the *TotalTransact* system. The payment amount is automatically computed by the system.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes
pmtType (int)	Type of payment needs to be initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>1 – ACH: Either Checking or Savings account as defined in the customer record</li> <li>2 – Credit Card: Visa, Mastercard, American Express or Discover Card as defined in the customer record.</li> </ul>	Yes
startDate (dateTime)	Date when the payments should start.	Yes
startBalance (decimal)	Beginning balance owed by the customer.	Yes
paymentCount (int)	Total number of installments in the payment schedule.	Yes
frequency (int)	Frequency of the payment.	Yes
interestRate (decimal)	Interest rate applied on the payment schedule.	Yes

#### Response Elements

Name	Description
number (int)	Payment installment number.
date (dateTime)	Date a payment is due.
paymentAmount (decimal)	Payment installment amount.

transFee (decimal)	Transaction fee applied per payment.
interestPortion (decimal)	Payment amount that goes towards paying interest.
principlePortion (decimal)	Payment amount that goes towards paying principle.
balance (decimal)	Remiaining balance to be paid after each payment installment.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws&gt;CreatePaymentsByCount&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;ws:pmtType&gt;2&lt;/ws:pmtType&gt;   &lt;ws:startDate&gt;2010-07-31&lt;/ws:startDate&gt;  &lt;ws:startBalance&gt;10&lt;/ws:startBalance&gt;  &lt;ws:paymentCount&gt;2&lt;/ws:paymentCount&gt;  &lt;ws:frequency&gt;12&lt;/ws:frequency&gt;  &lt;ws:interestRate&gt;0&lt;/ws:interestRate&gt;   &lt;/ws&gt;CreatePaymentsByCount&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;CreatePaymentsByCountResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;CreatePaymentsByCountResult&gt;  &lt;billingCode&gt;17016273&lt;/billingCode&gt;   &lt;pmtType&gt;2&lt;/pmtType&gt;  &lt;frequency&gt;12&lt;/frequency&gt;   &lt;startDate&gt;2010-07-31T00:00:00&lt;/startDate&gt;  &lt;startBalance&gt;10&lt;/startBalance&gt;  &lt;paymentAmount&gt;5&lt;/paymentAmount&gt;  &lt;annualIntRate&gt;0&lt;/annualIntRate&gt;   &lt;transFee&gt;0&lt;/transFee&gt;  &lt;paymentCount&gt;2&lt;/paymentCount&gt;  &lt;returnCode&gt;0&lt;/returnCode&gt;   &lt;Payments&gt;     &lt;xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"&gt;       &lt;xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:MainDataTable="Payments" msdata:UseCurrentLocale="true"&gt; </pre>

```

<xs:complexType>
    <xs:choice
minOccurs="0" maxOccurs="unbounded">
    <xs:element name="Payments">
        <xs:complexType>
            <xs:sequence>
                <xs:element name="number"
type="xs:int" minOccurs="0"/>
                <xs:element name="date"
type="xs:dateTime" minOccurs="0"/>
                <xs:element name="paymentAmount"
type="xs:double" minOccurs="0"/>
                <xs:element name="transFee"
type="xs:double" minOccurs="0"/>
                <xs:element name="interestPortion"
type="xs:double" minOccurs="0"/>
                <xs:element name="principlePortion"
type="xs:double" minOccurs="0"/>
                <xs:element name="balance"
type="xs:double" minOccurs="0"/>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
    </xs:choice>
</xs:complexType>
    </xs:element>
    </xs:choice>
</xs:complexType>
    </xs:element>
    </xs:schema>
    <diffgr:diffgram
xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata"
xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1">
        <DocumentElement
xmlns="">
            <Payments
diffgr:id="Payments1"
msdata:rowOrder="0"
diffgr:hasChanges="inserted">
                <number>1</number>
                <date>2010-
07-31T00:00:00-06:00</date>

```

	<pre> &lt;paymentAmount&gt;5&lt;/paymentAmount&gt;  &lt;transFee&gt;0&lt;/transFee&gt;  &lt;interestPortion&gt;0&lt;/interestPortion&gt;  &lt;principlePortion&gt;5&lt;/principlePortion&gt;  &lt;balance&gt;5&lt;/balance&gt;                                 &lt;/Payments&gt;                                 &lt;Payments diffgr:id="Payments2" msdata:rowOrder="1" diffgr:hasChanges="inserted"&gt;  &lt;number&gt;2&lt;/number&gt;                                 &lt;date&gt;2010- 08-31T00:00:00-06:00&lt;/date&gt;  &lt;paymentAmount&gt;5&lt;/paymentAmount&gt;  &lt;transFee&gt;0&lt;/transFee&gt;  &lt;interestPortion&gt;0&lt;/interestPortion&gt;  &lt;principlePortion&gt;5&lt;/principlePortion&gt;  &lt;balance&gt;0&lt;/balance&gt;                                 &lt;/Payments&gt;                                 &lt;/DocumentElement&gt;                                 &lt;/diffgr:diffgram&gt;                                 &lt;/Payments&gt;  &lt;/CreatePaymentsByCountResult&gt;  &lt;/CreatePaymentsByCountResponse&gt;     &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	---

**Related Operations**

None

**3.3.4 CreateRecurringPaymentSchedule****Description**

This method creates a recurring payment schedule given the balance owed and desired payment frequency for a customer in the *TotalTransact* system.

**Request Parameters**

Name	Description	Required
------	-------------	----------



clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
custId (long)	Unique customer identifier assigned to customer when a customer is created by CreateCustomer() method or created through <i>TotalTransact</i> portal.	Yes
pmtType (int)	Type of payment needs to be initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>1 – ACH: Either Checking or Savings account as defined in the customer record</li> <li>2 – Credit Card: Visa, Mastercard, American Express or Discover Card as defined in the customer record.</li> </ul>	Yes
startDate (dateTime)	Date when the payments should start.	Yes
frequency (int)	Frequency of the payment.	Yes
paymentAmount (decimal)	Amount of the installment.	Yes

## Response Elements

Name	Description
returnCode (int)	Returns zero if a recurring payment schedule was created successfully.
billingCode (int)	Billing code representing a recurring schedule.
scheduleType (int)	Returns 1 if it is a payment schedule with a balance and returns 2 if it is a recurring payment schedule.
startDate (dateTime)	Start date of the payment schedule.
startBalance (decimal)	Starting balance of the payment schedule.
paymentAmount (decimal)	Amount of the recurring payment.
paymentCount (int)	Number of times a payment has been executed.
finishDate (dateTime)	Finish date of the payment schedule.
finalPayment (decimal)	Final payment of the payment schedule.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws</pre>	<pre>&lt; &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema</pre>

<pre> /&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;  &lt;ws:CreateRecurringPaymentSchedule&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientId&gt;15152CC0&lt;/ws:clientId&gt; &gt;  &lt;ws:custId&gt;15128995&lt;/ws:custId&gt;   &lt;ws:pmtType&gt;2&lt;/ws:pmtType&gt;   &lt;ws:startDate&gt;2010-07-31&lt;/ws:startDate&gt;  &lt;ws:frequency&gt;12&lt;/ws:frequency&gt;  &lt;ws:paymentAmount&gt;0.01&lt;/ws:paymentAmount&gt;  &lt;/ws:CreateRecurringPaymentSchedule&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> LSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"   &lt;soap:Body&gt;  &lt;CreateRecurringPaymentScheduleResponse xmlns="https://secure.modpay.com/ws/" "&gt;  &lt;CreateRecurringPaymentScheduleResult&gt;  &lt;ReturnCode&gt;0&lt;/ReturnCode&gt;  &lt;BillingCode&gt;17016276&lt;/BillingCode&gt;  &lt;ScheduleType&gt;0&lt;/ScheduleType&gt;   &lt;StartDate&gt;2010-07-31T00:00:00&lt;/StartDate&gt;  &lt;StartBalance&gt;0&lt;/StartBalance&gt;  &lt;PaymentAmount&gt;0.01&lt;/PaymentAmount&gt;  &lt;PaymentCount&gt;0&lt;/PaymentCount&gt;   &lt;FinishDate&gt;0001-01-01T00:00:00&lt;/FinishDate&gt;  &lt;FinalPayment&gt;0&lt;/FinalPayment&gt;  &lt;/CreateRecurringPaymentScheduleResult&gt;  &lt;/CreateRecurringPaymentScheduleResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
---	---

## Related Operations

None

### 3.3.5 SetPaymentPending

#### Description

This method marks the status of a transaction (that has not been settled yet) to pending for a customer in the *TotalTransact* system.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated	Yes

	upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.	Yes

## Response Elements

Name	Description
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system. <b>Note:</b> The <code>&lt;CreatePaymentPendingResult&gt;</code> tag returns the customerId.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:SetPaymentPending&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt;  &lt;ws:transId&gt;21562176&lt;/ws:transId&gt;     &lt;/ws:SetPaymentPending&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;SetPaymentPendingResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;SetPaymentPendingResult&gt;21562176&lt;/SetPaymentPendingResult&gt;     &lt;/SetPaymentPendingResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

## Related Operations

None

### 3.3.6 DeletePayment

#### Description

This method marks the status of a transaction (that has not been settled yet) to deleted for a customer in the *TotalTransact* system.

#### Request Parameters

Name	Description	Required
------	-------------	----------

clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
Password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.	Yes

## Response Elements

Name	Description
transId (long)	A transaction identifier for the payment created by the <i>TotalTransact</i> system.

## Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws&gt;DeletePayment&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientIdCode&gt;15152CC0&lt;/ws:clientIdCode&gt; &gt;  &lt;ws:transId&gt;21561999&lt;/ws:transId&gt;     &lt;/ws&gt;DeletePayment&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;DeletePaymentResponse xmlns="https://secure.modpay.com/ws/" "&gt;  &lt;DeletePaymentResult&gt;1&lt;/DeletePaymentResult&gt;     &lt;/DeletePaymentResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

## Related Operations

None

## 3.4 Miscellaneous Methods

### 3.4.1 GetBankInfo

#### Description

This method returns information related to a bank stored in the *TotalTransact* system.

#### Request Parameters

Name	Description	Required
routingNumber (string)	Route/Transit number of the bank to be looked up	Yes

## Response Elements

Name	Description
name (string)	Name of the bank.
address (string)	Address of the bank.
city (string)	City where the bank is located.
state (string)	State where the bank is located.
zipCode (string)	Zipcode of the city where the bank is located.
phone (string)	Primary phone number of the bank.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:GetBankInfo&gt;       &lt;!--Optional:--&gt;        &lt;ws:routingNumber&gt;124000054&lt;/ws:routin gNumber&gt;     &lt;/ws:GetBankInfo&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.o rg/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XM LSchema-instance" xmlns:xsd="http://www.w3.org/2001/XM LSchema"&gt;   &lt;soap:Body&gt;     &lt;GetBankInfoResponse xmlns="https://secure.modpay.com/ws/" "&gt;       &lt;GetBankInfoResult&gt;         &lt;name&gt;ZIONS FIRST NATIONAL BANK&lt;/name&gt;         &lt;address&gt;250 EAST FIRST STREET # 700&lt;/address&gt;         &lt;city&gt;LOS ANGELES&lt;/city&gt;         &lt;state&gt;CA&lt;/state&gt;         &lt;zipCode&gt;90012&lt;/zipCode&gt;         &lt;phone&gt;801-974- 8800&lt;/phone&gt;       &lt;/GetBankInfoResult&gt;     &lt;/GetBankInfoResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>

## Related Operations

None

### 3.4.2 IsValidRoutingNumber

#### Description

This method returns whether a Route/Transit number supplied in the argument is a valid Route/Transit number.

### Request Parameters

Name	Description	Required
routingNumber (string)	Route/Transit number that needs to be validated.	Yes

### Response Elements

Name	Description
isValidRoutingNumberResult (boolean)	Returns true in case the Route/Transit number supplied in the argument is valid.

### Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:IsValidRoutingNumber&gt;       &lt;!--Optional:--&gt;      &lt;ws:routingNumber&gt;124000054&lt;/ws:rout ingNumber&gt;       &lt;/ws:IsValidRoutingNumber&gt;     &lt;/soapenv:Body&gt;   &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"   &lt;soap:Body&gt;     &lt;IsValidRoutingNumberResponse xmlns="https://secure.modpay.com/ws/"&gt;      &lt;IsValidRoutingNumberResult&gt;true&lt;/IsValidRoutingNumberResult&gt;     &lt;/IsValidRoutingNumberResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

### Related Operations

None

## 3.4.3 IsValidCreditCardNumber

### Description

This method returns whether a card number supplied in the argument is a valid card number.

### Request Parameters

Name	Description	Required
cardNumber (long)	Card number that needs to be validated.	Yes

### Response Elements

Name	Description
IsValidCreditCardNumberResult (boolean)	This return value is true in case the card number passed in is valid.

### Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:IsValidCreditCardNumber&gt;       &lt;!--Optional:--&gt;  &lt;ws:cardNumber&gt;4111111111111111&lt;/ws:cardNumber&gt;      &lt;/ws:IsValidCreditCardNumber&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;IsValidCreditCardNumberResponse xmlns="https://secure.modpay.com/ws/"&gt;      &lt;IsValidCreditCardNumberResult&gt;true&lt;/IsValidCreditCardNumberResult&gt;     &lt;/IsValidCreditCardNumberResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

### Related Operations

None

## 3.4.4 GetCreditCardType

### Description

This method returns the card type for a card number supplied in the argument.

### Request Parameters

Name	Description	Required
creditCardNumber (long)	Card number for which the card type needs to be looked up.	Yes
longFormat (boolean)	If a "true" is supplied as an argument the card type is returned in a verbose form otherwise the type is returned in an abbreviated form.	Yes

### Response Elements

Name	Description
getCreditCardResult (string)	This method returns the card type for the card number passed in the argument.

### Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/" "&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:GetCreditCardType&gt;       &lt;!--Optional:--&gt;  &lt;ws:creditCardNumber&gt;4111111111111111&lt;/ws:creditCardNumber&gt;  &lt;ws:longFormat&gt;true&lt;/ws:longFormat&gt;     &lt;/ws:GetCreditCardType&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;GetCreditCardTypeResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;GetCreditCardTypeResult&gt;Visa Card&lt;/GetCreditCardTypeResult&gt;     &lt;/GetCreditCardTypeResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

**Related Operations**

None

**3.4.5 IsExpiredCreditCard****Description**

This method returns whether card expiration information supplied in the argument has expired.

**Request Parameters**

Name	Description	Required
expMonth (int)	Expiration month on the card that needs to be validated.	Yes.
expYear (int)	Expiration year on the card that needs to be validated.	Yes.

**Response Elements**

Name	Description
isExpiredCreditCardResult (boolean)	The return result indicates whether the card has expired.

**Example Request and Response**

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/" "&gt;   &lt;soapenv:Header/&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;</pre>



<pre> &lt;soapenv:Body&gt;   &lt;ws:IsExpiredCreditCard&gt;  &lt;ws:expMonth&gt;10&lt;/ws:expMonth&gt;  &lt;ws:expYear&gt;2011&lt;/ws:expYear&gt;   &lt;/ws:IsExpiredCreditCard&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> chema"&gt;   &lt;soap:Body&gt;     &lt;IsExpiredCreditCardResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;IsExpiredCreditCardResult&gt;&gt;false&lt;/IsEx piredCreditCardResult&gt;   &lt;/IsExpiredCreditCardResponse&gt; &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	---

**Related Operations**

None

**3.4.6 GetModpayVersionInfo****Description**

This method returns the version of *TotalTransact* portal currently deployed in production. This method has no arguments.

**Request Parameters**

Name	Description	Required
None	None	None

**Response Elements**

Name	Description
getModpayVersionInfoResult	Code version deployed in production.

**Example Request and Response**

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlso ap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com /ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:GetModpayVersionInfo/&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/ soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSc hema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSc hema"&gt;   &lt;soap:Body&gt;     &lt;GetModpayVersionInfoResponse xmlns="https://secure.modpay.com/ws/"&gt;  &lt;GetModpayVersionInfoResult&gt;Net0.9&lt;/Get ModpayVersionInfoResult&gt;     &lt;/GetModpayVersionInfoResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>

**Related Operations**

None

### 3.4.7 GetSettings

#### Description

This method returns information related to a client stored in the *TotalTransact* system. The same information can be accessed under View/Edit Settings in the *TotalTransact* system.

#### Request Parameters

Name	Description	Required
clientId (long)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
password (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes

#### Response Elements

Name	Description
businessName (string)	Name of the business.
ownerFirstName (string)	First name of the business owner.
ownerLastName (string)	Last name of the business owner.
contactFirstName (string)	Primary contact's first name.
contactLastName (string)	Primary contact's last name.
address (string)	Address where the client is located.
city (string)	City where the client is located.
state (string)	State where the client is located.
zipCode (string)	ZIP Code of the city where the client is located.
country (string)	Country where the client is located.
phone (string)	Client's primary contact number.
fax (string)	Client's primary fax number.
email (string)	Clients's primary email address.
url (string)	Client's primary website URL.
routingAba (string)	Client's bank Route/Transit number.
bankAcct (string)	Client's bank account number.
isSavingsAcct (string)	Client's bank account type.
emailAlert (string)	Client's email address to which payment alerts need to be routed.
stateDesc (string)	Description of the client's state.
agentId (string)	Reseller identifier of the reseller that the client is attached to.
clientType (string)	Type of client.
collectFeeSeparately (string)	Specifies whether the service fees are to be collected separately.

topImage (string)	Image configuration for the client.
ccFundsDepositDirect (string)	Specifies whether the credit card residuals are deposited/withdrawn directly to the client's bank account.
logoutReturnPath (string)	Return path of the URL the online payment page returns to after a successful/failed payment attempt.
nsfRetries (string)	Number of NSF retries the client is allowed to perform.
creditCardId (string)	Credit card identifier for the client.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="https://secure.modpay.com/ws/"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;ws:GetSettings&gt;  &lt;ws:clientId&gt;28894&lt;/ws:clientId&gt; &lt;ws:clientCode&gt;15152CC0&lt;/ws:clientCode&gt; &gt;     &lt;/ws:GetSettings&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; </pre>	<pre> &lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;GetSettingsResponse xmlns="https://secure.modpay.com/ws/"&gt;       &lt;GetSettingsResult&gt;  &lt;returnCode&gt;1&lt;/returnCode&gt;       &lt;businessName&gt;Valley Supply Inc.&lt;/businessName&gt;  &lt;ownerFirstName&gt;Valley&lt;/ownerFirstNa me&gt;  &lt;ownerLastName&gt;Supply&lt;/ownerLastNa me&gt;       &lt;contactFirstName/&gt;       &lt;contactLastName/&gt;       &lt;address&gt;3949 S 700 E Ste 300&lt;/address&gt;       &lt;city&gt;Murray&lt;/city&gt;       &lt;state&gt;UT&lt;/state&gt;       &lt;zipCode&gt;84107&lt;/zipCode&gt;       &lt;country&gt;United States&lt;/country&gt;       &lt;phone&gt;801-716- 4734&lt;/phone&gt;       &lt;fax&gt;&lt;/fax&gt;  &lt;email&gt;test@test.com&lt;/email&gt;       &lt;url/&gt;  &lt;routingAba&gt;124001545&lt;/routingAba&gt; </pre>

	<pre> &lt;bankAcct&gt;650426208&lt;/bankAcct&gt;  &lt;isSavingsAcct&gt;0&lt;/isSavingsAcct&gt;  &lt;emailAlert&gt;1&lt;/emailAlert&gt;     &lt;stateDesc&gt;Valley Supply&lt;/stateDesc&gt;     &lt;agentId&gt;0&lt;/agentId&gt;  &lt;clientType&gt;0&lt;/clientType&gt;  &lt;collectFeesSeparately&gt;1&lt;/collectFees eparately&gt;     &lt;topImage/&gt;  &lt;ccFundsDepositDirect&gt;1&lt;/ccFundsDepo sitDirect&gt;     &lt;logoutReturnPath/&gt;  &lt;nsfRetries&gt;0&lt;/nsfRetries&gt;  &lt;creditCardId&gt;1012&lt;/creditCardId&gt;     &lt;/GetSettingsResult&gt;     &lt;/GetSettingsResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt; </pre>
--	---

## Related Operations

None

## 3.5 Payforward Payee Provisioning Methods

### 3.5.1 AuthUser

#### Description

This method checks whether a user is authorized to create a payforward payment. If the payeeld is correct this method returns the payeeld or else it returns an error message.

#### Request Parameters

Name	Description	Required
clientId ( <a href="#">int</a> )	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
wsPassword ( <a href="#">string</a> )	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes

#### Response Elements

Name	Description
payeeld ( <a href="#">Int64</a> )	The method returns a long (Int64) variable, which represents the payeeld.

### Example Request and Response

Example Request	Example Response
<pre>&lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:pay="https://secure.modpay.com/net/services/payforward"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;pay:authUser&gt;  &lt;pay:clientId&gt;28894&lt;/pay:clientId&gt; &lt;pay:wsPassword&gt;15152CC0&lt;/pay:wsPassword&gt;      &lt;/pay:authUser&gt;   &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt;</pre>	<pre>&lt;soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"&gt;   &lt;soap:Body&gt;     &lt;authUserResponse xmlns="https://secure.modpay.com/net/services/payforward"&gt;  &lt;authUserResult&gt;true&lt;/authUserResult&gt;     &lt;/authUserResponse&gt;   &lt;/soap:Body&gt; &lt;/soap:Envelope&gt;</pre>

### Related Operations

None

## 3.5.2 CreatePayforwardPayee

### Description

This method creates a payee to be used for PayForward transactions. A payee has to be created before any payforward transaction may be executed. When executing a payforward transaction, payeeld needs to be specified.

### Request Parameters

Name	Description	Required
clientId ( <a href="#">int</a> )	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
wsPassword ( <a href="#">string</a> )	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	No
customerAccount ( <a href="#">string</a> )	Customer account name.	No
firstName ( <a href="#">string</a> )	First name of the payee.	No
lastName ( <a href="#">string</a> )	Last name of the payee.	No

companyName (string)	Name of the company the payee works for.	No
address (string)	Address of the payee.	No
city (string)	City the payee lives in.	No
state (string)	State the payee lives in.	No
zip (string)	ZIP Code of the city the payee lives in.	No
country (string)	Country the payee lives in.	No
phone (string)	Payee's primary contact number.	No
fax (string)	Payee's primary fax number.	No
email (string)	Payee's primary email address.	No
routingAba (string)	Payee bank Route/Transit number.	No
bankAccountNum (string)	Payee's bank account number.	No
nameOnAccount (string)	Name on the bank account holder.	No
accountType (string)	Type of the bank account. This can be Checking or Savings.	No

## Response Elements

Name	Description
payeeld (int)	The method returns a long variable, which represents the payeeld.

## Example Request and Response

Example Request	Example Response
<pre> &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:pay="https://secure.modpay.com/netservices/payforward"&gt;   &lt;soapenv:Header/&gt;   &lt;soapenv:Body&gt;     &lt;pay:CreatePayforwardPayee&gt;       &lt;pay:clientId&gt;28894&lt;/pay:clientId&gt;       &lt;!--Optional:--&gt;       &lt;pay:wsPassword&gt;15152CC0&lt;/pay:wsPassword&gt;       &lt;!--Optional:--&gt;      &lt;pay:customerAccount&gt;TestAccount&lt;/pay:customerAccount&gt;       &lt;!--Optional:--&gt;       &lt;pay:firstName&gt;TestFirstName&lt;/pay:firstName&gt;       &lt;!--Optional:--&gt;       &lt;pay:lastName&gt;TestLastName&lt;/pay:lastName&gt;       &lt;!--Optional:--&gt;       &lt;pay:companyName&gt;TestCompany&lt;/pay:companyName&gt;       &lt;!--Optional:--&gt;       &lt;pay:address&gt;TestAddress&lt;/pay:address&gt;       &lt;!--Optional:--&gt;       &lt;pay:city&gt;TestCity&lt;/pay:city&gt;       &lt;!--Optional:--&gt;       &lt;pay:state&gt;UT&lt;/pay:state&gt;       &lt;!--Optional:--&gt;       &lt;pay:zip&gt;84121&lt;/pay:zip&gt;       &lt;!--Optional:--&gt; </pre>	

```

<pay:country>US</pay:country>
<!--Optional:-->
<pay:phone>5555555555</pay:phone>
<!--Optional:-->
<pay:fax>?</pay:fax>
<!--Optional:-->
<pay:email>test@test.com</pay:email>
<!--Optional:-->
<pay:routingAba>124000054</pay:routingAba>
<!--Optional:-->
<pay:bankAccountNum>987654321</pay:bankAccountNum>
<!--Optional:-->
<pay:nameOnAccount>TestName</pay:nameOnAccount>
<!--Optional:-->
<pay:accountType>?</pay:accountType>
</pay:CreatePayforwardPayee>
</soapenv:Body>
</soapenv:Envelope>

```

### Related Operations

None

## 3.5.3 FindPayees

### Description

This method allows users to search for PayForward payees using certain search criteria. A dataset is returned.

### Request Parameters

Name	Description	Required
clientId ( <a href="#">int</a> )	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
wsPassword ( <a href="#">string</a> )	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
customerId ( <a href="#">int</a> )	Payee identifier. This is required field according to the WSDL.	Yes
customerAccount ( <a href="#">string</a> )	Customer account name.	No
firstName ( <a href="#">string</a> )	First name of the payee.	No
lastName ( <a href="#">string</a> )	Last name of the payee.	No
companyName ( <a href="#">string</a> )	Name of the company the payee works for.	No
bankAccountNum ( <a href="#">string</a> )	Payee's bank account number.	No

### Response Elements

Name	Description
FindPayeeResult	

## Example Request and Response

Example Request	Example Response

## Related Operations

None

## 3.5.4 ModifyPayee

## Description

This method is used to modify an existing payee.

## Request Parameters

Name	Description	Required
clientId (int)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
wsPassword (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
customerAccount (string)	Customer account name.	No
payeeId (Int64)	Payee identifier.	Yes
firstName (string)	First name of the payee.	No
lastName (string)	Last name of the payee.	No
companyName (string)	Name of the company the payee works for.	No
address (string)	Address of the payee.	No
city (string)	City the payee lives in.	No
state (string)	State the payee lives in.	No
zip (string)	ZIP Code of the city the payee lives in.	No
country (string)	Country the payee lives in.	No
phone (string)	Payee's primary contact number.	No
fax (string)	Payee's primary fax number.	No
email (string)	Payee's primary email address.	No
routingAba (string)	Payee bank Route/Transit number.	No
bankAccountNum (string)	Payee's bank account number.	No
nameOnAccount (string)	Name on the bank account holder.	No
accountType (string)	Type of the bank account. This can be Checking or Savings.	No

## Response Elements

Name	Description
payeeId (Int64)	Returns payeeId, if successful.



## Example Request and Response

Example Request	Example Response

## Related Operations

None

## 3.6 PayForward Payment Methods

### 3.6.1 CreatePayforwardPayment

#### Description

This method is used to enter a PayForward payment or in other words initiate an ACH credit to a payee bank account.

#### Request Parameters

Name	Description	Required
clientId (int)	clientId is assigned to you by <i>TotalTransact</i> team when your account is created.	Yes
wsPassword (string)	password is an alphanumeric token generated upon request through the <i>TotalTransact</i> Portal, under View/Edit Settings, Web Services Settings. You can change your password at any time through the <i>TotalTransact</i> Portal.	Yes
payeeId (long)	Payee identifier.	Yes
pmtDate (DateTime)	Payment date.	Yes
pmtAmount (double)	Amount of payment.	Yes
pmtType (int)	Type of payment needs to be initiated. Payment type can be one of the following: <ul style="list-style-type: none"> <li>1 – ACH: Either Checking or Savings account as defined in the customer record</li> </ul>	Yes

#### Response Elements

Name	Description
transId	Returns: transId (integer reference for ID created by transaction). It may also return the following if an error occurs: <ul style="list-style-type: none"> <li>-1 – Invalid user credentials</li> <li>-2 – CustomerId not found</li> <li>-3 – Ach payment specified, but customer record contains no acct info</li> <li>-4 – Credit card payment specified, but customer record has no ccNum</li> </ul>

	-5 – Credit Card payment specified but Credit Card is not a known type -6 – pmtType is invalid
--	---

### Example Request and Response

Example Request	Example Response

### Related Operations

None

## 4 Common Payment Acceptance Use Cases

The following sections discuss some common payment scenarios where the sequence in which you make the calls is important.

### 4.1 Initiate a Credit Card Payment

To initiate a card payment for a new customer, follow steps 1 to 4. To initiate a card payment for an existing customer, simply execute steps 3 and 4.

1. Create Customer
2. Modify Customer to attach a card number
3. Initiate a Card Payment
4. Check status of Card Payment

### 4.2 Initiate an ACH Payment

To initiate an ACH payment for a new customer, follow steps 1 to 4. To initiate an ACH for an existing customer, simply execute steps 3 and 4.

1. Create Customer
2. Modify Customer to attach a bank account number
3. Initiate an ACH Payment
4. Check status of ACH Payment

### 4.3 Initiate a Payment with a Balance

To initiate a payment with a balance for a new customer, follow steps 1 to 3. To initiate a payment with a balance for an existing customer, simply execute step 3.

1. Create Customer
2. Modify Customer to attach a card number or a bank account number or both
3. Initiate a payment with a balance by specifying which payment channel needs to be used to create the payment with a balance.

## **4.4 Initiate a Recurring Payment**

To initiate a recurring payment schedule for a new customer, follow steps 1 to 3. To initiate a recurring payment schedule for an existing customer, simply execute step 3.

1. Create Customer
2. Modify Customer to attach a card number or a bank account number or both
3. Initiate a recurring payment by specifying which payment channel needs to be used to create the payment.