

KONIK WEB SERVICE INTEGRATION EVD SPEC: 04072019

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Introduction

This document has been created to provide developers with a reference to integrate into the 543 Web Service. It is assumed that the reader is familiar with SOAP based web services and SSL security. The web service allows the integrating system to use 543 Electronic Voucher Distribution to purchase vouchers, reconcile, query the merchant balance and generate or process CashOut codes.

For any further queries please contact cGrate IT Support

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Return Types

Every web method in Konik returns an object that extends the CResponse class. This provides the client a standard way of retrieving a response code and message. The other parameters contained within the web method's response object will naturally be specific to what is returned by the method.

Table 1 - CResponse class

CResponse				
Field Type Detail				
responseCode	int	A global response code indicating the outcome of the operation		
responseMessage	string	A message describing the response code		



Getting Started

This is a quick guide to take you through setting up your client step by step.

1. Generate client stubs from WSDL file

a. There are various tools for generating the client classes required to consume a web service.

2. Implement the security

a. Ensure that your SOAP request contains the UserNameToken that is required by the 543 web service to authenticate you.

3. Check that you have connectivity and authentication

a. Call the getAccountBalance() method to test your client. If you receive response code 0 you have successfully created the client.

4. Perform a voucher purchase

- a. Get list of valid vouchers using the getVouchers () method.
- b. Use the fields returned from that method to create your VoucherDataWs object
- c. Call the purchaseVoucher() method with the previously created object
- d. Check that the response you receive is as expected.



Response Codes

A list of all response codes given by the Konik system. Every response code is unique, so they have been divided into sections categorizing them according to functionality.

Table 2 - Response Codes

Category	Range	Code	Meaning
		0	Success
		1	Insufficient balance
		6	General error
General	0-30	7	Invalid MSISDN
		8	Process delay
		9	Balance update failed
		10	Balance retrieval failed
		31	Account is active
		32	Account in inactive
		33	Account is suspended
Active	31-50	34	Account is closed
		35	Password tries exceeded
		36	Incorrect password
		37	Account does not exist
		51	Insufficient stock
Voucher		52	Invalid voucher request
	51-100	53	Invalid recharge
Providers	31-100	54	Invalid recharge denomination
		55	Voucher Provider content failed
		56	Invalid Voucher Provider
Channels	101-	101	Invalid distribution channel
Channels	150	102	USSD transaction not available
Reconciliation	151- 200	151	Reconciliation failed
		152	No reconciliation found
		153	Reconciliation flag not consistent with count
		154	Error receiving reconciliation total





Web Methods

In here you will find the details on how to call and use the various web methods exposed by the 543 web service.





Account Balance

This method allows the merchant to query their running balance in Konik. It is a real time figure and will reflect the exact balance at that point in time.

BalanceResponse getAccountBalance()

Parameters:

none

Returns:

BalanceResponse

Detail

The BalanceResponse class extends the CResponse class.

Table 3 - Balance Response

BalanceResponse		
Field	Туре	Detail
balance	decimal	The current merchant's balance



Purchase Voucher

Allows for the purchase of a single voucher from any available voucher provider. Notice that it is important to call this method with the correct arguments to perform a successful purchase. For instance, attempting to distribute pin-less airtime by the file channel will result in a failed transaction.

PurchaseResponse purchaseVoucher(VoucherDataWs)

Parameters

VoucherDataWs

Returns

PurchaseResponse

Detail

This method requires a VoucherDataWs object to be built as the parameter. It contains all the fields necessary to purchase a single voucher.

Table 4 – Voucher Data		
VoucherDataWs		
Field Type Detail		Detail
distributionChannel	string	The means by which the voucher is delivered to the recipient. The permitted values are given by the getDistributionChannels method.
isFixed	boolean	Specifies if the provided amount will be variable or fixed to a particular voucher
recipient	string	Identifier of the individual receiving the voucher. This can be a MSISD, account number, meter number etc. depending on what the voucher provider provides.
serviceProvider	string	The organization providing the voucher being purchased. The permitted values are given by the voucher provider elements in the getVouchers method.
voucherType	string	The voucher category specific to the voucher provider. The list of permitted values along with their corresponding voucher providers is given by the getVouchers method.
voucherValue	long	Amount in cents of the voucher's worth

Table 4 – Voucher Data

Once this object has been created the purchaseVoucher method may be called and it will return a PurchaseResponse object.

PurchaseResponse Detail

This object extends CResponse, so will have the inherited members responseCode and responseMessage.



Table 5 - Purchase Response

PurchaseResponse		
Field	d Type Detail	
purchaseld	string	A unique number to identify this purchase.
merchantVoucherValue	decimal	The cost of the voucher to the merchant.
voucherPinNumber	string	The voucher PIN returned by the voucher provider encrypted. Note that a pin less recharge will result in a null pin.
voucherSerialNumber	string	A number that identifies the voucher with the voucher provider. This number can be used to query any purchased voucher with the voucher provider themselves. Note if the voucher provider does not support serial numbers this field will be null



Purchase Zesco Voucher

Allows for the purchase of a single Zesco voucher. Notice that its is important to call this method with the correct arguments to perform a successful Zesco purchase.

PurchaseZescoResponse purchaseZescoVoucher(VoucherDataWs)

Parameters:

VoucherDataWs

Returns:

PurchaseZescoResponse

VoucherDataWs Detail

This method requires a VoucherDataWs object to be built as the parameter. It contains all the fields necessary to purchase a single voucher.

VoucherDataWs - Zesco Purchase Field Type Detail The means by which the voucher is delivered to the recipient. The permitted values are given by the distributionChannel string getDistributionChannels method. Specifies if the provided amount will be variable or fixed isFixed boolean to a particular voucher Identifier of the individual receiving the voucher. This recipient string can be a MSISD, account number, meter number etc. depending on what the voucher provider provides. The organization providing the voucher being purchased. The permitted values are given by the serviceProvider string voucher provider elements in the getVouchers method. The voucher category specific to the voucher provider. The list of permitted values along with their voucherType string corresponding voucher providers is given by the getVouchers method.

Table 6 - Purchase Zesco - Data Voucher

Once this object has been created the purchaseZescoVoucher method may be called and it will return a PurchaseZescoResponse object.

Amount in cents of the vouchers worth

PurchaseResponse Detail

voucherValue

long

This object extends CResponse, so will have the inherited members responseCode and responseMessage.



Table 7 - Purchase Zesco Voucher Response

PurchaseResponse - Zesco		
Field	Туре	Detail
purchaseId	string	A unique number to identify this purchase.
merchantVoucherValue	decimal	The cost of the voucher to the merchant.
voucherPinNumber	string	The voucher PIN returned by the voucher provider encrypted. Note that a pin-less recharge will result in a null pin.
voucherSerialNumber	string	A number that identifies the voucher with the voucher provider. This number can be used to query any purchased voucher with the voucher provider themselves. Note if the voucher provider does not support serial numbers this field will be null
customerAccountNumber	string	Customer meter number
customerAddress	string	Customers physical address
customerName	string	Name of the customers
debtBalBfwd	string	Balance brought forward on the customers account
debtBalance	string	Debt balance on the customers account
elecSerial	string	The serial number of the token
exciseDuty	string	Duty charged on the token purchased
fixedCharge	string	Fixed charge of the token purchase
receiptNumber	string	Receipt unique number
serviceNumber	string	Service number
tariff	string	Tariff used
tariffIndex	string	Tariff index
totalVAT	string	VAT
tvLicence	string	TV license
units	string	Token Units
kWhAmount	string	kWh Amount
additionalPinsCount	int	The count of the additional pins to be expected
additionalPins	String []	An array of additional pins

NB: Zesco at times issues multiple tokens for various reasons, in 2020 some customers were receiving Covid relief tokens in addition to the normal token. From 2023 to 2024, Zesco will be issuing 2 additional tokens to upgrade meters. Developers should look out for additional tokens in the additionalPins array.

It is advisable to issue the tokens in the sequence that they are listed in the Soap response i.e. the voucherPinNumber as the 1st token, then the ones in the array following.

The additionalPins array is empty if there are not extra tokens. Developers can also use the additionalPinsCount element to determine the number additional pins in the array





To test multiple pins in UAT, please use meter number "123456789", any other number will return an empty array.





Query Transaction Status

Allows customer to query the status of the transaction.

CResponse queryTransactionStatus(transactionReference)

Parameter

transactionReference

Returns

CResponse

Detail

The transactionReference is a single string passed as a parameter in the queryTransactionStatus $\$ method.

Once this object has been created the <code>queryTransactionStatus</code> method may be called and it will return a <code>CResponse</code> object outlined in Table 1.



Validate Voucher Purchase

This method validates the voucher being purchased before it is sent for processing to the service provider.

ValidatePurchaseResponse validateVoucherPurchase(VoucherDataWs)

Parameter

VoucherDataWs

Returns

ValidatePurchaseResponse

VoucherDataWs Detail

This method requires a VoucherDataWs object to be built as the parameter. It contains all the fields necessary to purchase a single voucher.

Table 8 - Voucher details

VoucherDataWs - Validate Purchase

Field Type Detail

VoucherDataWs - Validate Purchase		
Field	Type Detail	
distributionChannel	string	The means by which the voucher is delivered to the recipient. The permitted values are given by the getDistributionChannels method.
isFixed	boolean	Specifies if the provided amount will be variable or fixed to a particular voucher
recipient	string	Identifier of the individual receiving the voucher. This can be a MSISD, account number, meter number etc. depending on what the voucher provider provides.
serviceProvider	string	The organization providing the voucher being purchased. The permitted values are given by the voucher provider elements in the getVouchers method.
voucherType	string	The voucher category specific to the voucher provider. The list of permitted values along with their corresponding voucher providers is given by the getVouchers method.
voucherValue	long	Amount in cents of the voucher's worth

Once this object has been created the validateVoucherPurchase method may be called and it will return a ValidatePurchaseResponse object.

This object extends CResponse, so will have the inherited members responseCode and responseMessage.



Reconcile

The reconcile method allows the merchant to verify their sales with Konik. The method works in a progressive manner, meaning that it will reconcile all transactions from the last reconciled one to the last transaction performed before the reconciliation. Once a transaction has been reconciled it is marked as such in the system and will never be reconciled again. The method therefore takes no parameters and returns an object that contains the reconciliation information.

ReconResponse reconcile()

Parameters

none

Returns:

ReconResponse

Detail

The ReconResponse class extends the CResponse class.

Table 9 – ReconResponse response

ReconResponse			
Field	Туре	Detail	
reconDate	date	The timestamp of this reconciliation operation	
runningBalance	decimal	Merchant's balance at that point in time	
faceValuePurchased	decimal	Total amount purchased at face value (i.e. K30 voucher is K30)	
merchantValuePurchased	decimal	Total amount purchased at merchant discount (i.e. K30 could be K28)	
reconld	string	Number uniquely identifying this reconciliation	
totalCount	long	Total number of vouchers purchased	



Vouchers

Returns a list of vouchers that are available for the authenticated merchant. Should a recharge fail of a voucher that has been used before this is a good checking point to establish if the voucher is still available.

VouchersResponse getVouchers()

Parameters:

none

Returns:

VouchersResponse

Detail

The ${\tt VouchersResponse}$ class extends the ${\tt CResponse}$ class.

Table 10 - Voucher Respopnse

VouchersResponse		
Field Type		Detail
voucherDetails	VoucherDetail[]	An array containing voucher information

Table 11 - Voucher details

VoucherDetail		
Field	Туре	Detail
voucherId	string	A unique identifier for a voucher
serviceProvider	string	The organization providing the voucher
voucherType	string	A voucher category
voucherValue	decimal	The face value of the voucher
isFixed	boolean	Flag indicating if the value may be variable or not



Vouchers with Units

Returns a list of vouchers with their units (amounts) that are available for the authenticated merchant. Should a recharge fail of a voucher that has been used before this is a good checking point to establish if the voucher is still available.

ExtendedVouchersResponse getVouchersWithUnits()

Parameters:

none

Returns:

 ${\tt Extended Vouchers Response}$

Detail

The ExtendedVouchersResponse class extends the CResponse class.

Table 12 - Extended Voucher Response

ExtendedVouchersResponse			
Field Type Detail			
voucherDetails	ExtendedVoucherDetail []	An array containing voucher information	

Table 13 - Extended Voucher Details

	ExtendedVoucherDetail		
Field	Туре	Detail	
voucherId	string	A unique identifier for a voucher	
serviceProvider	string	The organization providing the voucher	
voucherType	string	A voucher category	
voucherValue	decimal	The face value of the voucher	
isFixed	boolean	Flag indicating if the value may be variable or not	
voucherUnits	long	Unit of the voucher e.g. 10GB bundle	



Distribution Channels

Provides the list of supported distribution channels. Note though that not all distribution channels are necessarily available for all voucher purchases, for instance, if one is purchasing pin-based Airtel airtime, selecting the NODISTRIBUTION channel will result in a failed recharge since the PIN number needs to be supplied by some means.

ChannelsResponse getDistributionChannels()

Parameters:

none

Returns:

ChannelsResponse

Detail

The ${\tt ChannelsResponse}$ class extends the ${\tt CResponse}$ class.

Table 14 - Distribution channel response

ChannelsResponse		
Field Type Detail		
distributionChannels	string[]	An array containing the allowed distribution channels.



Generate CashOut Code

This is the request for a CashOut code by the issuing institution. The code generated can be used at any 543 retailer.

 ${\tt LokaiCashOutCode~generateCashOutCode\,(CustomerDetails)}$

Parameters:

CustomerDetails

Returns:

LokaiCashOutCode

Detail

The LokaiCashOutCode class extends the CResponse class.

Table 15 - Generate cashout code

Generate CashOut Details (CustomerDetails)		
Field	Туре	Detail
customerName	string	Customers first name
customerSurname	string	Customers surname
cashOutAmount	BigDecimal	Amount
transactionReference	string	Unique transaction reference used to generate the code
customerMobile	string	Customers mobile number
customerAccountID	string	Customers account number

Once this object has been created the <code>generateCashOutCode</code> method may be called and it will return a <code>LokaiCashOutCode</code> object.

This object extends CResponse, so will have the inherited members responseCode and responseMessage.

Table 16 - CashOut Code Respose

Lokai Cash Out Code		
Field	Туре	Detail
cashOutCode	string	CashOut code



Process CashOut

This is the process where the customer goes to the merchant to withdraw funds using the generated CashOut code.

CResponse processCashOut(CashOutDetails)

Parameter

CashOutDetails

Returns

CResponse

Detail

Returns Table 1

Table 17 - Process CashOut

CashOutDetails		
Field	Туре	Detail
cashOutCode	string	CashOut code generated.
customerMobile	string	Customers mobile number
cashierID	int	The cashier of the POS terminal



Query CashOut

This process queries the status of the CashOut code using the method <code>checkCashOutCodeStatus</code>

CashOutCodeStatus checkCashOutCodeStatus(cashOutcde, customerMobile)

Parameters

cashOutcde, customerMobile

Returns

CResponse

Details

Returns Table 1

Table 18 - CashOut parameter details

CashOutDetails			
Field Type Detail			
cashOutCode	String	The generated CashOut code.	
customerMobile	String	Customers mobile number used to generate the CashOut code.	



Bill Payment Balance Due

This checks the balance due on an account.

BalanceResponse getBillPaymentBalanceDue(serviceProvider, billPaymentAccountNumber)

Parameters

serviceProvider, billPaymentAccountNumber

Returns

BalanceResponse

Details

Returns the BalanceResponse class which extends the CResponse class.

Table 19 - Bill Payment Balance Due Response

BalanceResponse		
Field Type Detail		
balance	BigDecimal	Balance value

Table 20 - Bill Balance Due Parameters

Parameters		
Field	Type	Detail
serviceProvider	String	The service provider
billPaymentAccountNumber	String	The smartcard number or account number.



Last Vouchers Purchased

This returns the last three vouchers or tokens purchased on a Zesco meter number.

LastVouchersResponse getLastVouchersPurchased(serviceProvider, billPaymentAccountNumber, countOfVouchers)

Parameters

serviceProvider, billPaymentAccountNumber, countOfVouchers

Returns

 ${\tt LastVouchersResponse}$

Details

Returns the LastVouchersResponse class which extends the CResponse class.

Table 21 - GetLastVoucherPurchased paramter description

Parameters		
Field	Type	Detail
serviceProvider	String	The service provider
billPaymentAccountNumber	String	The smartcard number or account number.
countOfVouchers	int	Number of vouchers to be returned. Max = 3

Table 22 - lastVoucherPurchase response

LastVouchersResponse		
Field Type Detail		
wsVouchers	String[]	Array list containing list of last vouchers purchased



Load Collection

This loads a collection into the merchants account when the deposit hits the cGrate bank account.

CollectionResponse loadCollection(customerMSISDN, paymentReference, paymentTimeStamp, paymentAmount, paymentChannel)

Parameters

customerMSISDN, paymentReference, paymentTimeStamp, paymentAmount, paymentChannel

Returns

CollectionResponse

Details

Returns the CollectionResponse class which extends the CResponse class.

Table 23 - loadCollection parameters

Parameters				
Field	Туре	Detail		
customerMSISDN	String	Merchants phone number		
paymentReference	String	Transaction reference		
paymentTimeStamp	XMLGregorianCalendar	Date of posting		
paymentAmount	double	Amount to be posted		
paymentChannel	String	Channel		

Table 24 - loadCollection response

CollectionResponse		
Field	Туре	Detail
loadCollectionReference	String	Internal tran reference.



Query Collection

This queries the status of a collection which was done into the merchants account.

CollectionResponse queryCollection(paymentReference)

Parameters

paymentReference

Returns

 ${\tt CollectionResponse}$

Details

Returns the CollectionResponse class which extends the CResponse class.

Table 25 - queryCollection parameters

Parameters			
Field	Туре	Detail	
paymentReference	String	Transaction reference	

Table 26 - queryCollection response

CollectionResponse		
Field Type Detail		
loadCollectionReference	String	Internal transaction reference.



Reverse Collection

This queries the status of a collection which was done into the merchants account.

CollectionResponse reverseCollection(paymentReference,
paymentAmount)

Parameters

paymentReference

Returns

CollectionResponse

Details

Returns the CollectionResponse class which extends the CResponse class.

Table 27 - reverseCollection parameters

Parameters				
Field Type Detail				
paymentReference	String	Transaction reference		
paymentAmount	double	Transaction amount		

Table 28 - reverseCollection response

CollectionResponse		
Field Type Detail		
loadCollectionReference	String	Internal transaction reference.



Process Customer Payment

This processes a customer payment by sending a payment to the customers mobile via USSD push. Once the customer accepts payment (by inputting the pin) the payment is processed.

CustomerPaymentResponse processCustomerPayment(
transactionAmount, customerMobile, paymentReference)

Parameters

transactionAmount, customerMobile, paymentReference

Returns

CustomerPaymentResponse

Details

 $\textbf{Returns the} \ \texttt{CustomerPaymentResponse} \ \ \textbf{class which extends the} \ \texttt{CResponse class}.$

Table 29 - processCustomerPayment parameter

Parameters				
Field	Type	Detail		
customerMobile	String	Customers mobile number		
transactionAmount	double	Transaction amount		
paymentReference	String	Payment reference		

Table 30 - processCustomerPayment response

CustomerPaymentResponse		
Field Type Detail		
paymentID	String	Internal transaction reference / payment identifier



Query Customer Payment

This queries the status of the customer payment.

 ${\tt CustomerPaymentResponse~queryCustomerPayment(java.lang.String~paymentReference)}$

Parameters

paymentReference

Returns

 ${\tt CustomerPaymentResponse}$

Details

Returns the CustomerPaymentResponse class which extends the CResponse class.

Table 31 - queryCustomerPayment parameter

Parameters			
Field	Туре	Detail	
paymentReference	String	Payment reference	

Table 32 - queryCustomerPayment response

CustomerPaymentResponse		
Field Type Detail		
paymentID	String	Internal transaction reference / payment identifier



Reverse Customer Payment

This reverses the customer payment.

CResponse reverseCustomerPayment(paymentReference)

Parameters

paymentReference

Returns

CResponse

Details

Returns Table 1

 ${\it Table~33-reverseCustomerPayment~parameter}$

Parameters				
Field	Туре	Detail		
paymentReference String Payment reference				





Security

This section provides information on how to authenticate the client onto the Konik web service server.



Implementation

Security on Konik has been implemented in a stateless fashion. Each request to the server requires a UsernameToken to be present in the SOAP header of the request. This means that your transactions with the Konik web service will be individually authenticated, so you will not have to implement any sort of session handling on the client. The UsernameToken in the header will contain your user name and password, which enables the server to identify and authenticate you. Please see the header sample.

UsernameToken

This is a security token that needs to be present in every request sent to the Konik web service. You will be provided with a username and password to authenticate you onto the system when you register with us. As the web service uses SSL it accepts the password in plain text.





WSDL and Samples

This section contains the WDSL and provides samples of request and response codes contained in the web service.



Security Header





WSDL

The WSDL file can be found at http://test.543.cgrate.co.zm/Konik/KonikWs?wsdl



Account Balance

Request

```
POST /Konik/KonikWs HTTP/1.0
Content-Type: text/xml; charset=utf-8
Accept: application/soap+xml, application/dime,
multipart/related, text/*
User-Agent: Axis/1.4
Host: 127.0.0.1:50000
Cache-Control: no-cache
Pragma: no-cache
SOAPAction: ""
Content-Length: 871
<?xml version="1.0" encoding="UTF-8"?>
   <soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <soapenv:Header>
         <wsse:Security xmlns:wsse="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
soapenv:mustUnderstand="1">
            <wsse:UsernameToken xmlns:wsu="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
wsu:Id="UsernameToken-1">
                <wsse:Username>user@organization.com</wsse:Usernam</pre>
e>
                <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">P@ssword</wsse:Password>
            </wsse:UsernameToken>
         </wsse:Security>
      </soapenv:Header>
      <soapenv:Body>
         <getAccountBalance
xmlns="http://konik.cgrate.com"></getAccountBalance>
      </soapenv:Body>
   </soapenv:Envelope>
```

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
X-Powered-By: Servlet 2.5; JBoss-5.0/JBossWeb-2.1
Content-Type: text/xml; charset=UTF-8
Connection: close
```





Purchase Voucher

Request

```
POST /Konik/KonikWs HTTP/1.0
Content-Type: text/xml; charset=utf-8
Accept: application/soap+xml, application/dime, multipart/related, text/*
User-Agent: Axis/1.4
Host: 127.0.0.1:50000
Cache-Control: no-cache
Pragma: no-cache
SOAPAction: ""
Content-Length: 1109
<?xml version="1.0" encoding="UTF-8"?>
   <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"</pre>
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <soapenv:Header>
         <wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-</pre>
200401-wss-wssecurity-secext-1.0.xsd" soapenv:mustUnderstand="1">
            <wsse:UsernameToken xmlns:wsu="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
wsu:Id="1487158332746">
               <wsse:Username> user@organization.com </wsse:Username>
               <wsse:Password</pre>
Type="YRbJvz7EYRbJvz7EYRbJvz7EYRbJvz7EYRbJvz7EYRbJvz7EHttp://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">P@ssword </wsse:Password>
            </wsse:UsernameToken>
         </wsse:Security>
      </soapenv:Header>
       <soapenv:Body>
         <purchaseVoucher xmlns=" http://konik.cgrate.com ">
            <Voucher xmlns="">
               <distributionChannel></distributionChannel>
               <isFixed>false</isFixed>
               <receipient>260976069332</receipient>
               <serviceProvider>Airtel</serviceProvider>
               <voucherType>Direct-Topup</voucherType>
               <voucherValue>100</voucherValue>
            </Voucher>
         </purchaseVoucher>
      </soapenv:Body>
   </soapenv:Envelope>
```







Purchase Zesco Voucher

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
      <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>Username</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">*****</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:purchaseZescoVoucher>
         <Voucher>
            <distributionChannel/>
            <isFixed>false</isFixed>
            <receipient>0123456789012</receipient>
            <serviceProvider>Zesco</serviceProvider>
<transactionReference>UniqueReference</transactionReference>
            <voucherType>Token</voucherType>
            <voucherValue>1000</voucherValue>
         </Voucher>
      </kon:purchaseZescoVoucher>
   </soapenv:Body>
</soapenv:Envelope>
```



```
<voucherPinNumber>1672320468030/voucherPinNumber>
<voucherSerialNumber>1672320468027/voucherSerialNumber>
            <zescoParameters>
<additionalPins>1672320468031</additionalPins>
<additionalPins>1672320468032</additionalPins>
<additionalPinsCount>2</additionalPinsCount>
<customerAccountNumber>12034657</customerAccountNumber>
               <customerAddress>10 Bute Road,
Kamwala/customerAddress>
               <customerName>Dummy Account</customerName>
               <debtBalBfwd>0.11</debtBalBfwd>
               <debtBalance>0.00</debtBalance>
               <debtBalanceAmount>0.00</debtBalanceAmount>
               <elecSerial>35647749994/elecSerial>
               <exciseDuty>10.00</exciseDuty>
               <fixedCharge>15.00</fixedCharge>
               <receiptNumber>CGRZES508578</receiptNumber>
               <refund>0.00</refund>
               <serviceNumber>12345678/serviceNumber>
               <tariff>Residential Tarrif</tariff>
               <tariffIndex>600273/01</tariffIndex>
               <totalVAT>17.00</totalVAT>
               <tvLicence>2.50</tvLicence>
               <units>143</units>
               <kWhAmount>63.00</kWhAmount>
            </zescoParameters>
         </return>
      </ns2:purchaseZescoVoucherResponse>
   </env:Body>
</env:Envelope>
```



Query Transaction Status

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:queryTransactionStatus>
<transactionReference>UniqueReference/transactionReference>
      </kon:queryTransactionStatus>
   </soapenv:Body>
</soapenv:Envelope>
```



Validate Voucher Purchase

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
         <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:validateVoucherPurchase>
         <Voucher>
            <distributionChannel/>
            <isFixed>false</isFixed>
            <receipient>012345678901</receipient>
            <serviceProvider>Zesco</serviceProvider>
<transactionReference>UniquesReference</transactionReference>
            <voucherType>Token</voucherType>
            <voucherValue>1000</voucherValue>
         </Voucher>
      </kon:validateVoucherPurchase>
   </soapenv:Body>
</soapenv:Envelope>
```







Reconcile

Request

```
POST /Konik/KonikWs HTTP/1.0
Content-Type: text/xml; charset=utf-8
Accept: application/soap+xml, application/dime,
multipart/related, text/*
User-Agent: Axis/1.4
Host: 127.0.0.1:50000
Cache-Control: no-cache
Pragma: no-cache
SOAPAction: ""
Content-Length: 855
<?xml version="1.0" encoding="UTF-8"?>
   <soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <soapenv:Header>
         <wsse:Security xmlns:wsse="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
soapenv:mustUnderstand="1">
            <wsse:UsernameToken xmlns:wsu="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
wsu:Id="UsernameToken-1">
               <wsse:Username>user@organization.com</wsse:Usernam</pre>
e>
               <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">P@ssword</wsse:Password>
            </wsse:UsernameToken>
         </wsse:Security>
      </soapenv:Header>
      <soapenv:Body>
         <reconcile xmlns="http://konik.cgrate.com"></reconcile>
      </soapenv:Body>
   </soapenv:Envelope>
```

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
X-Powered-By: Servlet 2.5; JBoss-5.0/JBossWeb-2.1
Content-Type: text/xml; charset=UTF-8
Date: Wed, 22 Sep 2010 09:14:47 GMT
```



```
Connection: close
<env:Envelope
xmlns:env='http://schemas.xmlsoap.org/soap/envelope/'>
   <env:Header></env:Header>
   <env:Body>
      <ns2:reconcileResponse xmlns:ns2="http://konik.cgrate.com">
         <return>
            <responseCode>0</responseCode>
            <responseMessage>Successful</responseMessage>
            <reconDate>2010-09-22T11:14:46.701+02:00</reconDate>
            <runningBalance>96457.3</runningBalance>
            <faceValuePurchased>378</faceValuePurchased>
            <merchantValuePurchased>370.44/merchantValuePurchase
d>
            <reconId>EAQCVQU51</reconId>
            <totalCount>23</totalCount>
         </return>
      </ns2:reconcileResponse>
   </env:Body></env:Envelope>
```



Get Vouchers

Request

```
POST /Konik/KonikWs HTTP/1.0
Content-Type: text/xml; charset=utf-8
Accept: application/soap+xml, application/dime,
multipart/related, text/*
User-Agent: Axis/1.4
Host: 127.0.0.1:50000
Cache-Control: no-cache
Pragma: no-cache
SOAPAction: ""
Content-Length: 859
<?xml version="1.0" encoding="UTF-8"?>
   <soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <soapenv:Header>
         <wsse:Security xmlns:wsse="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
soapenv:mustUnderstand="1">
            <wsse:UsernameToken xmlns:wsu="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
wsu:Id="UsernameToken-1">
                <wsse:Username>user@organization.com</wsse:Usernam</pre>
e>
                <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">P@ssword</wsse:Password>
            </wsse:UsernameToken>
         </wsse:Security>
      </soapenv:Header>
      <soapenv:Body>
         <getVouchers
xmlns="http://konik.cgrate.com"></getVouchers>
      </soapenv:Body>
   </soapenv:Envelope>
```

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
X-Powered-By: Servlet 2.5; JBoss-5.0/JBossWeb-2.1
Content-Type: text/xml; charset=UTF-8
Connection: close
```



```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Header/>
  <env:Body>
     <ns2:getVouchersResponse xmlns:ns2="http://konik.cgrate.com">
        <return>
           <responseCode>0</responseCode>
           <responseMessage>Retrieved vouchers</responseMessage>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>1
              <isFixed>true</isFixed>
              <voucherId>EF5JF2EK5/voucherId>
           </re>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>1
              <isFixed>false</isFixed>
              <voucherId>EF52DTHN2
           </re>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>2</voucherValue>
              <isFixed>true</isFixed>
              <voucherId>EGDSDMHK9</voucherId>
           </voucherDetails>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>5</voucherValue>
              <isFixed>true</isFixed>
              <voucherId>EF5JF2EL5</voucherId>
           </re>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>10</voucherValue>
              <isFixed>true</isFixed>
              <voucherId>EF5JF2EM3</voucherId>
           </voucherDetails>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>20</voucherValue>
              <isFixed>true</isFixed>
              <voucherId>EF5JF2EN2</voucherId>
           </re>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>50</voucherValue>
              <isFixed>true</isFixed>
              <voucherId>EF52DTH03
           </re>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
              <voucherType>Direct-Topup</voucherType>
              <voucherValue>100</voucherValue>
              <isFixed>true</isFixed>
              <voucherId>EI56RBLD1/voucherId>
           </voucherDetails>
           <voucherDetails>
              <serviceProvider>Airtel</serviceProvider>
```



```
<voucherType>Pin-Topup</voucherType>
  <voucherValue>1
  <isFixed>true</isFixed>
   <voucherId>EGOD5BCO5/voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Airtel</serviceProvider>
  <voucherType>Pin-Topup</voucherType>
  <voucherValue>2</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EGOD5BCP0</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Airtel</serviceProvider>
  <voucherType>Pin-Topup</voucherType>
   <voucherValue>5</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EGOD5BCP5</voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>Airtel</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
  <voucherValue>10</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EGOD5BCQ0</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Airtel</serviceProvider>
  <voucherType>Pin-Topup</voucherType>
  <voucherValue>20</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EGOD5BCO5</voucherId>
</re>
<voucherDetails>
  <serviceProvider>Airtel</serviceProvider>
  <voucherType>Pin-Topup</voucherType>
  <voucherValue>50</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EGOD5BCR1</voucherId>
</re>
<voucherDetails>
  <serviceProvider>Airtel</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
   <voucherValue>100</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EI5605PU9</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
   <voucherValue>1
  <isFixed>true</isFixed>
  <voucherId>EF5SAODJ7</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
  <voucherValue>1
  <isFixed>false</isFixed>
   <voucherId>EF52DDRS7</voucherId>
</re>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
   <voucherValue>2</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EGDSDUFG4</voucherId>
</voucherDetails>
```



```
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Direct-Topup</voucherType>
   <voucherValue>5
   <isFixed>true</isFixed>
   <voucherId>EF5SAODK5</voucherId>
</re>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Direct-Topup</voucherType>
   <voucherValue>10</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EF5SAODL5</voucherId>
</re>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Direct-Topup</voucherType>
   <voucherValue>20</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EF5SAODM3</voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Direct-Topup</voucherType>
   <voucherValue>50
   <isFixed>true</isFixed>
   <voucherId>EF5SAODN6</voucherId>
</re>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Direct-Topup</voucherType>
   <voucherValue>100</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EI56RLE27/voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
   <voucherValue>1
   <isFixed>true</isFixed>
   <voucherId>EGOD5QBX6</voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
   <voucherValue>2</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EGOD5QBY1</voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
   <voucherValue>5</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EGOD5QBY6</voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
   <voucherValue>10</voucherValue>
   <isFixed>true</isFixed>
   <voucherId>EGOD5QBZ1</voucherId>
</voucherDetails>
<voucherDetails>
   <serviceProvider>MTN</serviceProvider>
   <voucherType>Pin-Topup</voucherType>
   <voucherValue>20</voucherValue>
   <isFixed>true</isFixed>
```



```
<voucherId>EGOD50BZ8/voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Pin-Topup</voucherType>
  <voucherValue>50</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EGOD5QB13</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Pin-Topup</voucherType>
  <voucherValue>100</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EI56RLE22
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Daily)
  <voucherValue>2</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3V53
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Daily)</voucherType>
  <voucherValue>5</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WD2</voucherId>
</re>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Daily)
  <voucherValue>7</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WE5/
</re>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Weekly)</voucherType>
  <voucherValue>50</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EY3RH3WF5</voucherId>
</re>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Weekly)</voucherType>
  <voucherValue>100</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WG6</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Weekly)</voucherType>
  <voucherValue>150</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WH6</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Monthly)
  <voucherValue>100</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WI7
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Monthly)
```



```
<voucherValue>200</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WJ7/voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Monthly)
  <voucherValue>400</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EY3RH3WK7</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Bi-Monthly)
  <voucherValue>700</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WM0</voucherId>
</re>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Bi-Monthly)
  <voucherValue>900</voucherValue>
  <isFixed>true</isFixed>
   <voucherId>EY3RH3WN1</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>MTN</serviceProvider>
  <voucherType>Data(Bi-Monthly)
  <voucherValue>1500</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EY3RH3WO3</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Zamtel</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
  <voucherValue>1
  <isFixed>false</isFixed>
  <voucherId>EF1GHRID1</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Zamtel</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
  <voucherValue>1
  <isFixed>true</isFixed>
  <voucherId>EF1GHRIF0</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Zamtel</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
  <voucherValue>2</voucherValue>
  <isFixed>true</isFixed>
  <voucherId>EGDSDW1U9</voucherId>
</voucherDetails>
<voucherDetails>
  <serviceProvider>Zamtel</serviceProvider>
  <voucherType>Direct-Topup</voucherType>
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Get Vouchers With Units

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</env:Envelope>
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<voucherValue>1



Get Distribution Channels

Request

```
<soapenv:Envelope</pre>
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xmlns:kon="http://konik.cgrate.com">
            <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:getDistributionChannels/>
   </soapenv:Body>
</soapenv:Envelope>
```

```
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   <env:Body>
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xmlns:ns2="http://konik.cgrate.com">
         <return>
            <responseCode>0</responseCode>
            <responseMessage>Retrieved channels</responseMessage>
            <distributionChannels>PINLESS</distributionChannels>
            <distributionChannels>SMS</distributionChannels>
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<distributionChannels>MERCHANTSMS</distributionChannels>
<distributionChannels>DATAVOUCHER</distributionChannels>
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```





</env:Envelope>



Generate CashOut Code

Request

```
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xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
        <wsse:Security xmlns:wsse="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd"
soapenv:mustUnderstand="1">
           <wsse:UsernameToken xmlns:wsu="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
wsu:Id="1487158332746">
              <wsse:Username>*******
              <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">******</wsse:Password>
           </wsse:UsernameToken>
        </wsse:Security>
     </soapenv:Header>
   <soapenv:Body>
      <kon:generateCashOutCode>
         <customerName>John</customerName>
         <customerSurname>Doe</customerSurname>
         <cashOutAmount>10</cashOutAmount>
<transactionReference>UniqueReference/transactionReference>
         <customerMobile>0977113530</customerMobile>
         <customerAccountID>*******/customerAccountID>
      </kon:generateCashOutCode>
   </soapenv:Body>
</soapenv:Envelope>
```





</env:Body>
</env:Envelope>



Process CashOut

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
         <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:processCashOut>
         <cashOutCode>9156279</cashOutCode>
         <customerMobile>260962593665</customerMobile>
         <cashierID>1</cashierID>
      </kon:processCashOut>
   </soapenv:Body>
</soapenv:Envelope>
```



Check CashOut Code Status

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:checkCashOutCodeStatus>
         <cashOutCode>9156279</cashOutCode>
         <customerMobile>260962593665</customerMobile>
      </kon:checkCashOutCodeStatus>
   </soapenv:Body>
</soapenv:Envelope>
```



Bill Payment Balance Due

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
    <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>******</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">****</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:getBillPaymentBalanceDue>
         <serviceProvider>GOtv</serviceProvider>
<billPaymentAccountNumber>4623514157</billPaymentAccountNumber>
      </kon:getBillPaymentBalanceDue>
   </soapenv:Body>
</soapenv:Envelope>
```



Last Vouchers Purchased

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
       <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>******</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">*****</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:getLastVouchersPurchased>
         <serviceProvider>Zesco</serviceProvider>
<billPaymentAccountNumber>01321258814/billPaymentAccountNumber>
         <countOfVouchers>3</countOfVouchers>
      </kon:getLastVouchersPurchased>
   </soapenv:Body>
</soapenv:Envelope>
```



```
<purchaseDate>2019-05-
27T09:45:22+02:00</purchaseDate>
               <voucherAmount>400.0/voucherAmount>
            </wsVouchers>
            <wsVouchers>
               <purchaseId>E225JULY9</purchaseId>
<voucherPinNumber>46521899554475964685/voucherPinNumber>
<voucherSerialNumber>NEC001ZES28562202/voucherSerialNumber>
               <purchaseDate>2019-05-
27T09:44:45+02:00</purchaseDate>
               <voucherAmount>1000.0/voucherAmount>
            </wsVouchers>
            <wsVouchers>
               <purchaseId>E2XXXQFL8</purchaseId>
<voucherPinNumber>69544189383892173839/voucherPinNumber>
<voucherSerialNumber>NEC001ZES27807654/voucherSerialNumber>
               <purchaseDate>2019-05-
11T19:58:43+02:00</purchaseDate>
               <voucherAmount>294.0/voucherAmount>
            </wsVouchers>
         </return>
      </ns2:getLastVouchersPurchasedResponse>
   </env:Body>
</env:Envelope>
```



Load Collection

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>UserID</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">n3RT22g7</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:loadCollection>
         <customerMSISDN>0977113530</customerMSISDN>
         <paymentReference>Test1</paymentReference>
         <paymentTimeStamp>2019-05-30</paymentTimeStamp>
         <paymentAmount>10</paymentAmount>
         <paymentChannel>Xapit/paymentChannel>
      </kon:loadCollection>
   </soapenv:Body>
</soapenv:Envelope>
```





</env:Envelope>



Query Collection

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
      <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>Username</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">n3RT22g7</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:queryCollection>
         <paymentReference>Test1</paymentReference>
      </kon:queryCollection>
   </soapenv:Body>
</soapenv:Envelope>
```



Reverse Collection

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
         <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1338382627672</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">n3RT22g7</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:reverseCollection>
         <paymentReference>Test1</paymentReference>
         <paymentAmount>10</paymentAmount>
      </kon:reverseCollection>
   </soapenv:Body>
</soapenv:Envelope>
```



Process Customer Payment

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>Username</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:processCustomerPayment>
         <transactionAmount>100</transactionAmount>
         <customerMobile>0955842415</customerMobile>
         <paymentReference>Test1234567/paymentReference>
      </kon:processCustomerPayment>
   </soapenv:Body>
</soapenv:Envelope>
```



Query Customer Payment

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:queryCustomerPayment>
         <paymentReference>Test1234567</paymentReference>
      </kon:queryCustomerPayment>
   </soapenv:Body>
</soapenv:Envelope>
```



Reverse Customer Payment

Request

```
<soapenv:Envelope</pre>
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:kon="http://konik.cgrate.com">
   <soapenv:Header>
      <wsse:Security soapenv:mustUnderstand="1"</pre>
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-secext-1.0.xsd">
         <wsse:UsernameToken wsu:Id="UsernameToken-1"</pre>
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-
wss-wssecurity-utility-1.0.xsd">
            <wsse:Username>1484296456622</wsse:Username>
            <wsse:Password Type="http://docs.oasis-</pre>
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#PasswordText">2uSDuy1L</wsse:Password>
         </wsse:UsernameToken>
      </wsse:Security>
   </soapenv:Header>
   <soapenv:Body>
      <kon:reverseCustomerPayment>
         <paymentReference>Test1234567</paymentReference>
      </kon:reverseCustomerPayment>
   </soapenv:Body>
</soapenv:Envelope>
```