

## **SMS Gateway Interface**

SMS Interface.....	1
Send SMS using http post Interface .....	1
Simple XML example .....	1
Advanced XML Example.....	2
Send Multiple Requests.....	3
Response XML.....	4
HTTP Post code sample .....	5
C# example.....	5
PHP example .....	7
VB Example .....	8
Send SMS Using Web Service Interface.....	10
C# example.....	11
Send SMS Using Parameters.....	12
Example for a UTF8 request: .....	12
Message character length .....	13
Delivery Notification.....	13
Option 1(PUSH).....	13
Option 2 (PULL) .....	14
Receiving SMS (optional).....	16
Option 1(PUSH).....	16
Option 2 (PULL) .....	17
SMS Tools.....	19
Delete Future Messages .....	19
Remaining SMS Quota.....	20
Phone Number block check.....	21
Blocking Phone Numbers.....	22
Sender ID Policy .....	23
Whitelist - Send OTP .....	24
Whitelist – Authenticate OTP .....	25
Check if sender id is allowed .....	26
Contacts & Groups Management .....	27

## SMS Interface

### Send SMS using http post Interface

Client should perform Http **Post** request to this URL.  
 The encoding should be UTF-8.

#### URL

<https://api.inforu.co.il/SendMessageXml.ashx>

#### Parameters

InforuXML=**xml**

#### Simple XML example

```
<Inforu>
  <User>
    <Username>MyUsername</Username>
    <ApiToken>MyToken</ApiToken>
  </User>
  <Content Type="sms">
    <Message>This is a test SMS Message</Message>
  </Content>
  <Recipients>
    <PhoneNumber>0501111111;0502222222</PhoneNumber>
  </Recipients>
  <Settings>
    <Sender>Info</Sender>
  </Settings>
</Inforu>
```

#### Explanation of XML structure:

- **UserName** – Username of the account that was supplied by InforUMobile
- **ApiToken** – You can get the ApiToken under "Account Details" > "API Token" in the system.
- **Message** – SMS message that needs to be sent
- **PhoneNumber** – The recipients' phone list. Can be multiple recipients separated by a semicolon ";"
- **Sender** – The ID that will be displayed in the recipient's phone as the sender.

## Advanced XML Example

```
<Inforu>
<User>
  <Username>MyUserName</Username>
  <ApiToken>MyToken</ApiToken>
</User>
<Content Type="sms">
  <Message>This is a test SMS Message</Message>
  <SavedMessageId>81</SavedMessageId>
</Content>
<Recipients>
  <PhoneNumber>0501111111;0502222222</PhoneNumber>
  <GroupNumber>5</GroupNumber>
</Recipients>
<Settings>
  <Sender>MyCompany</Sender>
  <CustomerMessageID>112233</CustomerMessageID>
  <CustomerParameter>Affid4</CustomerParameter>
  <MessageInterval>0</MessageInterval>
  <TimeToSend>12/05/2013 12:23</TimeToSend>
  <DelayInSeconds>60</DelayInSeconds>
  <DeliveryNotificationUrl>http://mysite.co.il/Notif.aspx</DeliveryNotificationUrl>
  <MaxSegments>0</MaxSegments>
  <Priority>0</Priority>
  <IgnoreUnsubscribeCheck>false</IgnoreUnsubscribeCheck>
</Settings>
</Inforu>
```

Explanation of XML structure (All the following parameters are optional):

- **Sender** – The "Sender" field is restricted to a maximum of 11 Latin characters (Consecutive characters, no spaces) or 14 digits (no characters). You can also write an asterisk (\*) at the beginning of the identifier.
- **SavedMessageId** – Send saved message in your account by id.( If you use this tag, don't use the Message tag)
- **GroupNumber** – Use this parameter in order to send messages to a group according to the group number defined in the web site. To send a message to multiple groups please use a semicolon ";"
- **CustomerMessageID** – Message ID on the client application. When confirmation on delivery is sent back to the client, the message ID is also sent for synchronization.
- **CustomerParameter** – Parameter set by the client that can be seen in the reports, later. Can be used to mark each message by activity segmentation, for example.
- **Priority** – In order to prioritize your messages, you can use the priority tag, when 0 means normal priority, -1 high priority (used only for a single message), and then 1,2 and so on. The higher the value, the lower the priority.
- **MessageInterval** - Sending messages with number of seconds interval between them. The value 0 means non-interval.
- **DeliveryNotificationUrl** – Needed in order to send a confirmation on delivery to the client. The system will perform HTTP post to this URL with notification information.
- **MaxSegments** – When sending long messages, this parameter allows the client to set the maximum number of segments per message. Value 0 means unlimited segments.

- **TimeToSend** – Date and time on which the messages will be sent.  
Please use the following format: dd/mm/yyyy hh:mm. If left blank, the message will be sent immediately.
- **DelayInSeconds** – Number of seconds of delay from receiving the request in the system and up to sending the message (use this parameter as long as the TimeToSend parameter is not in use).
- **IgnoreUnsubscribeCheck** – set true for ignore blacklist check. (Contact customer support for this option).

## Send Multiple Requests

In order to send requests using different wordings, use InforuRoot – It is recommended to send up to 100 packages per request.

```
<InforuRoot>
  <Inforu>
    <User>
      <Username>MyUsername</Username>
      <ApiToken>MyToken</ApiToken>
    </User>
    <Content Type="sms">
      <Message>This is the first SMS message</Message>
    </Content>
    <Recipients>
      <PhoneNumber>0501111111;0502222222</PhoneNumber>
    </Recipients>
    <Settings>
      <Sender>Info</Sender>
    </Settings>
  </Inforu>
  <Inforu>
    <User>
      <Username>MyUsername</Username>
      <ApiToken>MyToken</ ApiToken>
    </User>
    <Content Type="sms">
      <Message>This is the second SMS message</Message>
    </Content>
    <Recipients>
      <PhoneNumber>054-6669999</PhoneNumber>
    </Recipients>
    <Settings>
      <Sender>Company</Sender>
    </Settings>
  </Inforu>
</InforuRoot>
```

## Response XML

Explanation of Response, XML structure:

```
<Result>  
  <Status>1</Status >  
  <Description>Message accepted successfully</ Description>  
  <NumberOfRecipients>1</ NumberOfRecipients>  
</Result>
```

(In case of using Inforuroot, the above response will repeat itself as many times as there are requests which you have inputted into the InforuRoot)

### 1. Status:

- 1 = OK
- -1 = Failed
- -2 = Bad user name or password
- -6 = RecipientsDataNotExists
- -9 = MessageTextNotExists
- -11 = IllegalXML
- -13 = UserQuotaExceeded
- -14 = ProjectQuotaExceeded
- -15 = CustomerQuotaExceeded
- -16 = WrongDateTime
- -17 = WrongNumberParameter
- -18 = No valid recipients
- -20 = InvalidSenderNumber
- -21 = InvalidSenderName,
- -22 = UserBlocked
- -26 = UserAuthenticationError
- -28 = NetworkTypeNotSupported
- -29 = NotAllNetworkTypesSupported
- -90 = InvalidSenderIdentification

### 2. Description – Status interpretation.

### 3. NumberOfRecipients - Phone numbers that the message has been sent to.

## HTTP Post code sample

### C# example

```
//set password, user name, message text, sender name and number
string userName = "UserName";
string apiToken = "UserApiToken";
string messageText = System.Security.SecurityElement.Escape("Message text");
string sender = "MySender";

//set phone numbers
string phonesList = "0503333333;0503333334;0503333335;0503333336;0503333337";

//set additional parameters
string timeToSend = "21/12/2017 15:30";

// create XML
StringBuilder sbXml = new StringBuilder();
sbXml.Append("<Inforu>");
sbXml.Append("<User>");
sbXml.Append("<Username>" + userName + "</Username>");
sbXml.Append("<ApiToken>" + apiToken + "</ApiToken>");
sbXml.Append("</User>");
sbXml.Append("<Content Type=\"sms\">");
sbXml.Append("<Message>" + messageText + "</Message>");
sbXml.Append("</Content>");
sbXml.Append("<Recipients>");
sbXml.Append("<PhoneNumber>" + phonesList + "</PhoneNumber>");
sbXml.Append("</Recipients>");
sbXml.Append("<Settings>");
sbXml.Append("<Sender>" + sender + "</Sender>");
sbXml.Append("<MessageInterval>" + messageInterval + "</MessageInterval>");
sbXml.Append("<TimeToSend>" + timeToSend + "</TimeToSend>");
sbXml.Append("</Settings>");
sbXml.Append("</Inforu >");
string strXML = HttpUtility.UrlEncode(sbXml.ToString(), System.Text.Encoding.UTF8);
string result = postDataToURL("https://api.inforu.co.il/SendMessageXml.ashx", "InforuXML=" + strXML);
```

```
static string postDataToURL(string szUrl, string szData)
{
    //Setup the web request
    string szResult = string.Empty;
    WebRequest Request = WebRequest.Create(szUrl);
    Request.Timeout = 30000;
    Request.Method = "POST";
    Request.ContentType = "application/x-www-form-urlencoded";

    //Set the POST data in a buffer
    byte[] PostBuffer;
    try
    {
```

```
// replacing " " with "+" according to Http post RPC
szData = szData.Replace(" ", "+");

//Specify the length of the buffer
PostBuffer = Encoding.UTF8.GetBytes(szData);
Request.ContentType = "application/json";

//Open up a request stream
Stream RequestStream = Request.GetRequestStream();

//Write the POST data
RequestStream.Write(PostBuffer, 0, PostBuffer.Length);

//Close the stream
RequestStream.Close();
//Create the Response object
WebResponse Response;
Response = Request.GetResponse();

//Create the reader for the response
StreamReader sr = new StreamReader(Response.GetResponseStream(), Encoding.UTF8);

//Read the response
szResult = sr.ReadToEnd();

//Close the reader, and response
sr.Close();
Response.Close();

return szResult;
}
catch (Exception e)
{
return szResult;
}
}
```

Using Dot Net Programming:

- Message text must be escaped with `System.Security.SecurityElement.Escape`.
- XML must be encoded by `HttpUtility.UrlEncode(xml, Text.Encoding.UTF8)`

## PHP example

```
<?php
```

```
function SendSMS($message_text,$receptients) {
    $sms_user =          "USERNAME";           // User Name (Provided by Inforu)
    $sms_apitoken =      "APITOKEN";         // Password (Provided by Inforu)
    $sms_sender =        "MyCompany";         //

    $message_text = preg_replace( "\r|\n/", "", $message_text); // remove line breaks

    $xml = "";
    $xml .= '<Inforu>'.PHP_EOL;
    $xml .= '<User>'.PHP_EOL;
    $xml .= '<Username>'.htmlspecialchars($sms_user).'</Username>'.PHP_EOL;
    $xml .= '<ApiToken>'.htmlspecialchars($sms_apitoken).'</ApiToken>'.PHP_EOL;
    $xml .= '</User>'.PHP_EOL;
    $xml .= '<Content Type="sms">'.PHP_EOL;
    $xml .= '<Message>'.htmlspecialchars($message_text).'</Message>'.PHP_EOL;
    $xml .= '</Content>'.PHP_EOL;
    $xml .= '<Recipients>'.PHP_EOL;
    $xml .= '<PhoneNumber>'.htmlspecialchars($receptients).'</PhoneNumber>'.PHP_EOL;
    $xml .= '</Recipients>'.PHP_EOL;
    $xml .= '<Settings>'.PHP_EOL;
    $xml .= '<Sender>'.htmlspecialchars($sms_sender).'</Sender>'.PHP_EOL;
    $xml .= '</Settings>'.PHP_EOL;
    $xml .= '</Inforu>';

    $ch = curl_init();
    curl_setopt($ch,CURLOPT_URL,'https://api.inforu.co.il/SendMessageXml.ashx');
    curl_setopt($ch, CURLOPT_POST, true);
    curl_setopt($ch, CURLOPT_POSTFIELDS, 'InforuXML='.urlencode($xml) );
    curl_setopt($ch,CURLOPT_RETURNTRANSFER,1);
    $response = curl_exec($ch);
    curl_close($ch);
    return $response;

}
```

```
// example
SendSMS(
    'Hello',
    '0501111111;0502222222'
);
```

```
?>
```



## VB Example

```
//Important: need to add reference to System.Web.dll

'set password, user name, message text, sender name and number
Dim userName As String = "UserName"
Dim apiToken As String = "UserApiToken"
Dim messageText As String = System.Security.SecurityElement.Escape("Message text")
Dim sender As String = "MySender"
Dim messageInterval As Integer = 0

'set phone numbers
Dim phonesList As String = "0503333333;0503333334;0503333335;0503333336;0503333337"

'set additional parameters
Dim timeToSend As String = "21/12/2017 15:30"

' create XML
Dim sbXml As New Text.StringBuilder()
sbXml.Append("<Inforu>")
sbXml.Append("<User>")
sbXml.Append("<Username>" & userName & "</Username>")
sbXml.Append("<ApiToken>" & apiToken & "</ApiToken>")
sbXml.Append("</User>")
sbXml.Append("<Content Type=""sms"">")
sbXml.Append("<Message>" & messageText & "</Message>")
sbXml.Append("</Content>")
sbXml.Append("<Recipients>")
sbXml.Append("<PhoneNumber>" & phonesList & "</PhoneNumber>")
sbXml.Append("</Recipients>")
sbXml.Append("<Settings>")
sbXml.Append("<Sender>" & sender & "</Sender>")
sbXml.Append("<MessageInterval>" & messageInterval & "</MessageInterval>")
sbXml.Append("<TimeToSend>" & timeToSend & "</TimeToSend>")
sbXml.Append("</Settings>")
sbXml.Append("</Inforu >")

Dim strXML As String = System.Web.HttpUtility.UrlEncode(sbXml.ToString(),
System.Text.Encoding.UTF8)
Dim result As String = postDataToURL("https://api.inforu.co.il/SendMessageXml.ashx", "InforuXML=" &
strXML)

Private Function postDataToURL(ByVal szUrl As String, ByVal szData As String) As String
'Setup the web request
Dim szResult As String = String.Empty
Dim Request As Net.HttpWebRequest
Request = CType(System.Net.WebRequest.Create(szUrl), System.Net.HttpWebRequest)
Request.Timeout = 30000
Request.Method = "POST"
Request.ContentType = "application/x-www-form-urlencoded"

'Set the POST data in a buffer
Dim PostBuffer As Byte()
Try
```

```
' replacing " " with "+" according to Http post RPC
szData = szData.Replace(" ", "+")

'Specify the length of the buffer
PostBuffer = System.Text.Encoding.UTF8.GetBytes(szData)
Request.ContentType = "application/json"
Request.ContentLength = PostBuffer.Length

'Open up a request stream
Dim RequestStream As IO.Stream = Request.GetRequestStream()

'Write the POST data
RequestStream.Write(PostBuffer, 0, PostBuffer.Length)

'Close the stream
RequestStream.Close()
'Create the Response object
Dim Response As Net.HttpWebResponse
Response = CType(Request.GetResponse(), System.Net.HttpWebResponse)

'Create the reader for the response
Dim sr As New IO.StreamReader(Response.GetResponseStream(),
System.Text.Encoding.UTF8)

'Read the response
szResult = sr.ReadToEnd()

'Close the reader, and response
sr.Close()
Response.Close()

Return (szResult)
Catch e As Exception
Return (szResult)
End Try
End Function
```

## Send SMS Using Web Service Interface

### Description

Web service interface is mainly used for .Net applications although Java developers can use it too. Microsoft .Net framework has a built-in support for calling web services, so for anyone who uses .Net it is highly recommended to use this interface. This interface allows the user to control and customize every aspect of the InforUMobile SMS engine.

### Format

Microsoft .Net users should add a reference to this URL:

<https://api.inforu.co.il/v2/SendMessage.asmx>

Java / Delphi / Magic users should use this URL:

<https://api.inforu.co.il/v2/SendMessage.asmx?wsdl>

The web interface implements 2 functions:

- SendSms – Sending SMS with minimum parameters
- SendSmsDetailed – Sending SMS with additional parameters

### Function Parameters Explanation

There are 2 functions for sending SMS messages.

Here is an explanation of the parameters from the function **SendSmsDetailed**:

- **UserName** - Username of the account that was supplied by InforUMobile
- **ApiToken** – You can get the ApiToken under “Account Details” > “API Token” in the system.
- **Message** – SMS message that needs to be sent.
- **MessagePelephone** – Not in use (Use double quotation marks).
- **MessageCellcom** – Not in use (Use double quotation marks).
- **MessageOrange** – Not in use (Use double quotation marks).
- **MessageMirs** - Not in use (Use double quotation marks).
- **Recipients** – The recipients' phone list. Can be multiple recipients separated by a ";"
- **CustomerParameter** - Parameter set by the client that can be seen in the reports, later. Can be used to mark each message by activity segmentation, for example.
- **CustomerMessageID** - Message ID on the client application. When confirmation on delivery is sent back to the client, the message ID is also sent for synchronization.
- **MessageInterval** - Sending messages with number of seconds interval between them. The value 0 means non-interval.
- **TimeToSend** – Date and time on which the messages will be sent. Please use the following format: dd/mm/yyyy hh:mm. If left blank, the message will be sent immediately.
- **SenderName** – The name that will be displayed on the recipient's device, is restricted to a maximum of 11 Latin characters (Consecutive characters without spaces).
- **SenderNumber** – Not in use. (Use 0000)
- **MaxSegments** – When sending long messages, this parameter allows the client to set the maximum number of segments per message. Value 0 means unlimited segments.

## C# example

```
static void Main(string[] args)
{
    WS_SendSMS.SendMessageSoapClient SendSMS = new WS_SendSMS.SendMessageSoapClient();
    String Result = SendSMS.SendSmsDetailed("MyUserName", "MyAPITOKEN", "Test using
    WS", "", "", "", "", "0529999999", "", "", 0, new
    DateTime(1900, 01, 01, 00, 00, 00), "MyCompany", "0000", 0);
    Console.WriteLine(Result);
    Console.ReadLine();
}
```

### Successful response example

```
<Result>
  <Status>1</Status>
  <Description>Message accepted successfully</Description>
  <NumberOfRecipients>1</NumberOfRecipients>
</Result>
```

### Unsuccessful response example

```
<Result>
  <Status>-2</Status>
  <Description>Error: Bad user name or password</Description>
  <NumberOfRecipients>0</NumberOfRecipients>
</Result>
```

### Response status explanations

1. **Status:**
  - 1 = OK
  - -1 = Failed
  - -2 = Bad user name or password
  - -6 = RecipientsDataNotExists
  - -9 = MessageTextNotExists
  - -11 = IllegalXML
  - -13 = UserQuotaExceeded
  - -14 = ProjectQuotaExceeded
  - -15 = CustomerQuotaExceeded
  - -16 = WrongDateTime
  - -17 = WrongNumberParameter
  - -18 = No valid recipients
  - -20 = InvalidSenderNumber
  - -21 = InvalidSenderName,
  - -22 = UserBlocked
  - -26 = UserAuthenticationError
  - -28 = NetworkTypeNotSupported
  - -90 = InvalidSenderIdentification
2. **Description** – Status interpretation.
3. **NumberOfRecipients** - Phone numbers that the message has been sent to.

## Send SMS Using Parameters

### Description

In order to send messages through the use of chaining parameters, this is a brief explanation of implementing the code properly.

### Format

For UTF8 encoding, use the following URL:

<https://api.inforu.co.il/inforfrontend/WebInterface/SendMessageByNumber.aspx>

For WIN1255 encoding, use the following URL:

<https://api.inforu.co.il/InforFrontEnd/EngineInterface/SendMessageByNumber.aspx>

Parameters required for the reference:

- UserName
- ApiToken
- SenderCellNumber
- CellNumber
- MessageString

### Example for a UTF8 request:

<https://api.inforu.co.il/inforfrontend/WebInterface/SendMessageByNumber.aspx?UserName=myusername&ApiToken=7hJkFN98&SenderCellNumber=MySender&CellNumber=052000000;0542152743&MessageString=Hello>

### Parameters: Explanation of Functions

- **UserName** - Username of the account that was supplied by InforUMobile
- **ApiToken** – You can get the ApiToken under “Account Details” > “API Token” in the system.
- **SenderCellNumber** – The "SenderCellNumber" field is restricted to a maximum of 11 Latin characters (Consecutive characters with no spaces) or up to 14 digits (and no characters). You can also write an asterisk (\*) at the beginning of the identifier.
- **CellNumber** – Recipient's phone list. Multiple recipients may be added when separated by a semicolon ";"
- **MessageString** – SMS message that needs to be sent.
- **IgnoreUnsubscribeCheck** – set true for ignore blacklist check. (Contact customer support for this option).

### Response

The response of your requests be a number

1 = OK

Other statuses, see page 4.

## ***Message character length***

Updated information can be found [here](#)

## ***Delivery Notification***

There are two options for Notifications:

1. Push - We appeal to your URL real time.
2. Pull - You turn to us for pulling your notifications

### ***Option 1(PUSH)***

The client can receive confirmation on delivery on each message sent. When sending the message the client should use the CustomerMessageId and the DeliveryNotificationUrl parameters. The system performs an **HTTP Post** request to this URL regarding any message.

The parameters for the request are:

- **PhoneNumber** – The number of the recipient.
- **Network** – The network of the recipient.
- **Status** – The status of the message.
  - (2) – Delivered.
  - (-2) – Not delivered.
  - (-4) – Blocked by InforUMobile.
- **StatusDescription** – If not delivered, contains the reason.
- **ProjectId** – The project ID Below describes the user who sent the message.
- **CustomerMessageId** – The client message ID.
- **CustomerParam** – The client parameter.
- **SenderNumber** – The ID of the sender who sent the message.
- **SegmentsNumber** – The amount of segments in the message (See "Message character length").
- **OriginalMessage** – The content of the sent message.
- **NotificationDate** – Time of receiving the notification from the cellular operator.

### ***Delivery Notification Example***

URL: <http://www.clientURL.co.il/demo.aspx>

With parameters:

PhoneNumber=0527777888&Network=052&Status=2&StatusDescription=Delivered&ProjectId=10838&CustomerMessageId=652&CustomerParam=&id=&SenderNumber=4234324&BillingCodeId=1&Price=0.00&SegmentsNumber=2&ActionType=Content&OriginalMessage=test 1&NotificationDate=08/01/2017 10:12:07&RetriesNumber=0

## Option 2 (PULL)

In order to pull notifications you need to enter the following address under the DeliveryNotificationUrl tag. <https://api.inforu.co.il/InsertNotificationsToPullQueue.ashx>

**NOTE:** Once pulled, the notification entries are removed from our system queue.

Web Service Address:

<https://api.inforu.co.il/ClientServices.asmx>

Function name: PullClientDLR

### *Parameters: Explanation of Functions*

- **UserName** – Username of the account that was supplied by InforUMobile
- **Password** – Password of the account
- **batchSize** – The amount of notifications you wish to pull

### Response XML

After you issue the request, an answer is returned in XML format:

```
<ClientNotification>
  <Status>OK</Status>
  <BatchSize>2</BatchSize>
  <Messages>
    <Message>
      <Type>Notification </Type>
      <PhoneNumber>0529999999</PhoneNumber>
      <Network>052</Network>
      <Status>2</Status>
      <StatusDescription>Delivered</StatusDescription>
      <CustomerMessageId>1234</CustomerMessageId>
      <CustomerParam>A60</CustomerParam>
      <SenderNumber>1315</SenderNumber>
      <SegmentsNumber>1</SegmentsNumber>
      <NotificationDate>29/11/2016 14:16:25</NotificationDate>
      <SentMessage>test</SentMessage>
    </Message>
    <Message>
      <Type>Notification </Type>
      <PhoneNumber>0546668887</PhoneNumber>
      <Network>054</Network>
      <Status>-2</Status>
      <StatusDescription>Expired</StatusDescription>
      <CustomerMessageId>1238</CustomerMessageId>
      <CustomerParam>F321</CustomerParam>
      <SenderNumber>1315</SenderNumber>
      <SegmentsNumber>1</SegmentsNumber>
      <NotificationDate>29/11/2016 14:16:25</NotificationDate>
      <SentMessage>test</SentMessage>
    </Message>
  </Messages>
</ClientNotification>
```

If the system queue is empty, the response will look like so:

```
<ClientNotification>  
  <Status>OK</Status>  
  <BatchSize>0</BatchSize>  
</ClientNotification>
```

### *An explanation of the return parameters:*

**Status** (of the request) – Describes whether the request succeeded or not. The list of possible statuses can be found below.

**BatchSize** – The number of notifications transferred.

**Type** – Will always contain the word 'Notification'.

**PhoneNumber** – The phone number for which the notification was received.

**Network** – The destination network

**Status** (of the message) – Possible values: 2 (received), -2 (not received), -4 (blocked).

**StatusDescription** – Given reason in case of message not received.

**CustomerMessageID** – Message identity parameter which is transferred during the time the message is sent. This is helpful when matching notifications received with messages sent.

**CustomerParam** – An additional, optional parameter for message identity.

**SenderNumber** – Phone number of the sender defined in the sent message.

**SegmentsNumber** – The number of segments sent.

**NotificationDate** – Time of receiving the notification from the cellular operator.

**SentMessage** - The content of the sent message.

### *List of Possible Statuses*

- OK
- Failed
- BadUserNameOrPassword



## Receiving SMS (optional)

### Option 1(PUSH)

When a user sends an SMS from his cell phone, the system will perform an HTTP Post Request to the client's predefined URL (via customer support). The client receives the XML in the "IncomingXML" parameter, encoded in UTF-8.

#### Receiving SMS Example

```
http://ClientWebApp.co.il/GetSMS.aspx?IncomingXML=  
<IncomingData>  
  <PhoneNumber>0509999111</PhoneNumber>  
  <Keyword>Yes</Keyword>  
  <Message> Yes I am interested </Message>  
  <Network>054</Network>  
  <ShortCode>039444666</ShortCode>  
  <CustomerID>17</CustomerID>  
  <ProjectID>456</ProjectID>  
  <ApplicationID>33321</ApplicationID>  
</IncomingData>
```

Your site needs to answer:

```
<Inforu>OK</Inforu>
```

#### An explanation of the return parameters:

- **PhoneNumber** – The phone number of the message.
- **Keyword** – First word in the message.
- **Message** – The message incoming message.
- **Network** – The source network.
- **ShortCode** – Phone number to which the incoming message was sent.
- **CustomerID** – Customer ID in our system.
- **ProjectID** – Project ID in our system.
- **ApplicationID** – Application ID in our system.

## Option 2 (PULL)

**Purpose of the service:** Pulling incoming messages which were received from the operators are waiting in the DB under PULL instead of PUSH. In order to activate this option, refer to the support department which will enable it for you.

**NOTE:** Once pulled, the MO entries are removed from our system queue.

### Format

Microsoft .Net users should add reference to this URL:

<https://api.inforu.co.il/ClientServices.asmx>

Java / Delphi / Magic users should use this URL:

<https://api.inforu.co.il/ClientServices.asmx?wsdl>

The function name is PullClientMO.

### Parameters: Explanation of Functions

- **UserName** – Username of the account that was supplied by InforUMobile
- **Password** – Password of the account
- **batchSize** – The amount of MO you wish to pull

### Response:

After you issue the request, an answer is returned in XML format:

```
<ClientNotification>
  <Status>OK</Status>
  <BatchSize>2</BatchSize>
  <Messages>
    <Message>
      <Type>MoMessage</Type>
      <PhoneNumber>0521111111</PhoneNumber>
      <Network>052</Network>
      <Status></Status>
      <StatusDescription></StatusDescription>
      <CustomerMessageId></CustomerMessageId>
      <CustomerParam></CustomerParam>
      <SenderNumber>1315</SenderNumber>
      <SegmentsNumber></SegmentsNumber>
      <NotificationDate>29/12/2017 13:10:25</NotificationDate>
      <SentMessage>test</SentMessage>
    </Message>
    <Message>
      <Type>MoMessage</Type>
      <PhoneNumber>0548889999</PhoneNumber>
      <Network>054</Network>
      <Status></Status>
      <StatusDescription></StatusDescription>
      <CustomerMessageId></CustomerMessageId>
      <CustomerParam></CustomerParam>
      <SenderNumber>0000</SenderNumber>
    </Message>
  </Messages>
</ClientNotification>
```

```
<SegmentsNumber></SegmentsNumber>  
<NotificationDate>29/12/2017 14:16:26</NotificationDate>  
<SentMessage>test 222</SentMessage>  
</Message>  
</Messages>  
</ClientNotification>
```

If the system queue is empty, the response will look like so:

```
<ClientNotification>  
<Status>OK</Status>  
<BatchSize>0</BatchSize>  
</ClientNotification>
```

### *An explanation of the return parameters:*

**Status** (of the request) – Describes whether the request succeeded or not. The list of possible statuses can be found below.

**BatchSize** – The number of MO transferred.

**Type** – Will always contain the word 'MoMessage'.

**PhoneNumber** – The number that sent the incoming message.

**Network** – The source network.

**Status** – Not in use.

**StatusDescription** – Not in use.

**CustomerMessageID** – Not in use.

**CustomerParam** – Not in use.

**SenderNumber** – Phone number to which the incoming message was sent.

**SegmentsNumber** – Not in use.

**NotificationDate** – Time of receiving the MO from the cellular operator.

**SentMessage** – The content of the message which was received by the respondent.

### *List of Possible Statuses*

- OK
- Failed
- BadUserNameOrPassword

## SMS Tools

### Delete Future Messages

You can delete future sent messages programmatically using a Webservice.

In order to delete these messages, one must input any data in the CustomerMessageID and CustomerParam parameters at the time in which the message was originally sent.

#### Format

Microsoft .Net users should add reference to this URL:

<https://api.inforu.co.il/ClientServices.asmx>

Java / Delphi / Magic users should use this URL:

<https://api.inforu.co.il/ClientServices.asmx?wsdl>

Function name: DeleteFutureMessage.

#### Parameters: Explanation of Functions

- **UserName** – Username of the account that was supplied by InforUMobile
- **Password** – Password of the account
- **PhoneNumber** – Number to which the message was sent
- **CustomerMessageID** – ID sent in sending the message
- **CustomerParam** – Parameter sent in sending the message

#### Response:

```
<ClientNotification>  
  <Status>OK</Status>  
  <BatchSize>1</BatchSize>  
</ClientNotification>
```

#### List of Possible Statuses

- **Status**
  - OK – Success
  - Failed – The request failed
- **BatchSize** – Number of future messages deleted.

#### Notes

- Deletion will be available only for singular messages sent, and not group messages sent.
- If data was not inputted in the CustomerParam and CustomerMessageID parameters, the request will fail.

## Remaining SMS Quota

A function that returns the amount of SMS messages remaining in the user account.

### Format

Microsoft .Net users should add reference to this URL:

<https://api.inforu.co.il/WebTools.asmx>

Java / Delphi / Magic users should use this URL:

<https://api.inforu.co.il/WebTools.asmx?wsdl>

Function name: GetUserQuota

### URL GET or POST:

<https://api.inforu.co.il/WebTools/GetUserQuota.ashx>

### Parameters:

- **UserName** – Username of the account that was supplied by InforUMobile.
- **Password** – Password of the account.

### An example of a request in HTTP Get:

<https://api.inforu.co.il/WebTools/GetUserQuota.ashx?userName=XXX&password=XXX>

### Response:

```
<Result>  
  <Status>1</Status>  
  <Data>9955.00</Data>  
</Result>
```

### List of Possible Statuses

- 26 - Error User ID, Data empty
- 1- OK, Data Contains the Quota

## Phone Number block check

The function checks if a certain phone number is blocked for receiving SMS.

### Format

Microsoft .Net users should add reference to this URL:

<https://api.inforu.co.il/WebTools.asmx>

Java / Delphi / Magic users should use this URL:

<https://api.inforu.co.il/WebTools.asmx?wsdl>

Function name: CheckIfNumberBlocked

### URL GET or POST:

<https://api.inforu.co.il/WebTools/CheckIfNumberBlocked.ashx>

### Parameters:

- **UserName** – Username of the account that was supplied by InforUMobile.
- **Password** – Password of the account.
- **PhoneNumber** – Phone number (string)
- **PrepaidAmount** – Not in use. (Use 0 always)

### An example of a request in HTTP Get:

<https://api.inforu.co.il/WebTools/CheckIfNumberBlocked.ashx?userName=XXX&password=XXX&phoneNumber=0529999999&prepaidAmount=0>

### Response:

After you issue the request, an answer is returned in XML format:

```
<Result>  
  <Status>1</Status>  
  <Data></Data>  
</Result>
```

### List of Possible Statuses

- 26 - Error User ID, Data empty
- 44 - No permission to access, Data empty
- 49 - Phone number is blocked, Data empty
- 1 - Phone number is open, Data empty

## ***Blocking Phone Numbers***

Blocking numbers from receiving messages programmatically using Webservice or POST.

### **Format**

Microsoft .Net users should add reference to this URL:

<https://api.inforu.co.il/WebTools.asmx>

Java / Delphi / Magic users should use this URL:

<https://api.inforu.co.il/WebTools.asmx?wsdl>

Function name: BlockPhoneNumbers

### **URL GET or POST:**

<https://api.inforu.co.il/WebTools/BlockNumbersMT.ashx>

### ***Parameters:***

- **UserName** – Username of the account that was supplied by InforUMobile.
- **Password** – Password of the account.
- **PhonesList** – The list of numbers to be blocked. Separate using semicolon (;).

### ***An example of a request in HTTP Get:***

[https://api.inforu.co.il/WebTools/BlockNumbersMT.ashx?  
UserName=david&Password=123456&PhonesList=0549999999;0556325698](https://api.inforu.co.il/WebTools/BlockNumbersMT.ashx?UserName=david&Password=123456&PhonesList=0549999999;0556325698)

### ***Response:***

After you issue the request, an answer is returned in XML format:

```
<Result>  
  <Status>1</Status>  
</Result>
```

### ***List of Possible Statuses***

- 1 – Success
- 26 – User identity failed
- 33 – No correct phone numbers were found

## ***Sender ID Policy***

According the regulation alphanumeric sender ID is always allowed.

A sender ID with Phone number, needs to be verified and whitelisted.

In order to whitelist a new phone number sender ID, use the following process:

1. Use "SendOtp" function with the phone number that need to be whitelisted.
2. Use "AuthenticateOtp" function to Verify the code.



## Whitelist - Send OTP

This function sends SMS/Call OTP for Submit a request to whitelist  
To use this function **contact our customer support**.

### URL

<https://capi.inforu.co.il/api/v2/SMS/Whitelist/SendOtp>

### Header

content-type: application/json  
Authorization: Basic USER:TOKEN (Encode Base64)

### Body- Example simple

```
{
  "Data": {
    "SenderId": "0529999999",
    "OtpType": "SMS"
  }
}
```

### Simple copy and advanced options

<https://capi.inforu.co.il/api/v2/SMS/Whitelist/SendOtp?view=json>

### Parameters:

**SenderId** – (string) The Sender id do you want to whiten.

**OtpType** – (string) SMS/VOICE

**UserId** (int) (optional) If you want to whiten for another UserId under your account.

**Username** – (string) (optional) If you want to whiten for another username under your account.

### Response

```
{
  "StatusId": 1,
  "StatusDescription": "Success",
  "DetailedDescription": "",
  "FunctionName": "api/v2/SMS/Whitelist/SendOtp",
  "RequestId": "lhdfsdkjfhdsdlhfsdk",
  "Data": {
    "Sent": true,
    "SenderId": "0529999999",
    "UserId": 1234
  }
}
```

### List of Possible Statuses:

1 – OK, OTP sent

-3040 – Sender Id is already Allowed or whitelist not required

-3015 – You not allowed to use this function

## Whitelist – Authenticate OTP

This function Authenticate OTP and do whitelist

### URL

<https://capi.inforu.co.il/api/v2/SMS/Whitelist/AuthenticateOtp>

### Header

content-type: application/json  
Authorization: Basic USER:TOKEN (Encode Base64)

### Body- Example simple

```
{  
  "Data": {  
    "SenderId": "0529999999",  
    "OtpCode": "635987"  
  }  
}
```

### Simple copy and advanced options

<https://capi.inforu.co.il/api/v2/SMS/Whitelist/AuthenticateOtp?view=json>

### Parameters:

**SenderId** – (string) The Sender id do you want to whiten.

**OtpCode** – (string) The code you received on your device.

**Comments** – (string) (optional) If you want to save Comment in our system

**UserId** (int) (optional) If you want to whiten for another UserId under your account.

**Username** – (string) (optional) If you want to whiten for another username under your account.

### Response

```
{  
  "StatusId": 1,  
  "StatusDescription": "Success",  
  "DetailedDescription": "",  
  "FunctionName": "api/v2/SMS/AuthenticateOtp",  
  "RequestId": "lhdfsdkjfhdsdlhfsdk",  
  "Data": {  
    "SenderId": "0529999999",  
    "CustomerId": 1234  
  }  
}
```

### List of Possible Statuses:

1 – OK, Whitelist Sender completed successfully

-220 – OTP code not match

-370 – OTP is Expired

## Check if sender id is allowed

This function checks if sender id is allowed to send SMS

### URL

<https://capi.inforu.co.il/api/v2/SMS/Whitelist/SenderIdsAllowed>

### Header

content-type: application/json  
Authorization: Basic USER:TOKEN (Encode Base64)

### Body- Example simple

```
{  
  "Data": {  
    "SenderId": "0529999999"  
  }  
}
```

### Simple copy and advanced options

<https://capi.inforu.co.il/api/v2/SMS/Whitelist/SenderIdsAllowed?view=json>

### Parameters:

**SenderId** – (string) The Sender id do you want to check.

**CustomerId** (int) (optional) If you want to check for another CustomerId under your account.

**Username** – (string) (optional) If you want to check for another username under your account.

### Response

```
{  
  "StatusId": 1,  
  "StatusDescription": "Success",  
  "DetailedDescription": "",  
  "FunctionName": "api/v2/SMS/Whitelist/SenderIdsAllowed",  
  "RequestId": "lhdfsdkjfhdsdlhfsdk",  
  "Data": {  
    "CustomerId": 2,  
    "SenderId": "0529999999",  
    "IsAllowed": false  
  }  
}
```

## ***Contacts & Groups Management***

For management contact click [here](#) and choose Contact management Document.