



IAM

WebService SMS Authentication Configuration Guide

Version 12.0.18



Change Log

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Chapter 1 Content Requirements

Start from IAM 4.6 version, it supports the user SMS authentication, for the way to send the SMS has SMS modem, SMS gateway and web service. This guide is more on the Web Service SMS Authentication configuration guide.

The theory of SMS authentication web service is pass some parameters through URL, Web service sms gateway will send the SMS according the parameter that received.

When configure the Web Service, it required to use the wsdl document (HTTP GET and HTTP Post way is not required). wsdl document is the guide to explain the web service interface, it included the web service gateway to send SMS and receive SMS xml message. It also can use the wsdl file to form the SMS template, and we separate the document from the XML then the device send SMS will according this XML to pass the parameters to URL.

1 Application Scenarios

Foreigners from banks, telecommunications business halls, shopping malls, airports, enterprises, and institutions need to be authenticated by real-name customers, and their real identity information must be matched with network behavior. SMS authentication uses the mobile phone number as the user name, which can meet this requirement. For bank business halls and shopping malls, customer mobile phone numbers are also important marketing resources that can be extracted to provide support for subsequent product promotion.

2 Necessary Description

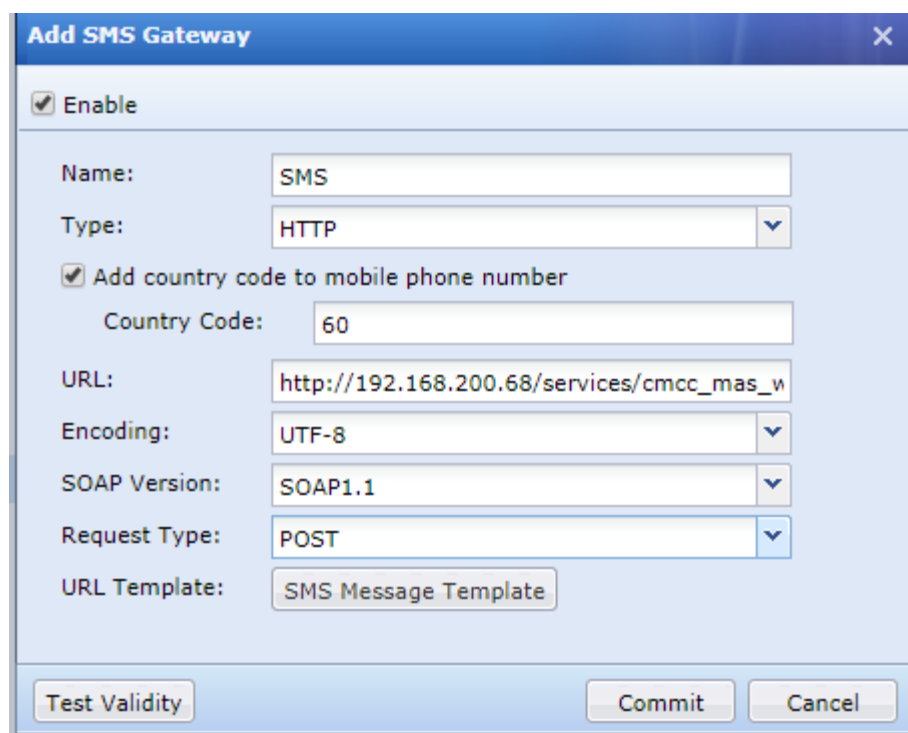
Customer use web servicer portal and IAM to combine and do the authentication, in the normal condition, customer will provide the web service interface document.

3 Configuration Guide

From the guide given by customer, the Web service Interface URL format is:

http://IP/services/cmcc_mas_wbs

and follow the customer's web service API file, need confirm the SOAP (SOAP1.1 or SOAP 1.2) and the request type (POST or GET), can use the following configuration:



Add SMS Gateway

☒ Enable

Name:

Type:

☒ Add country code to mobile phone number

Country Code:

URL:

Encoding:

SOAP Version:

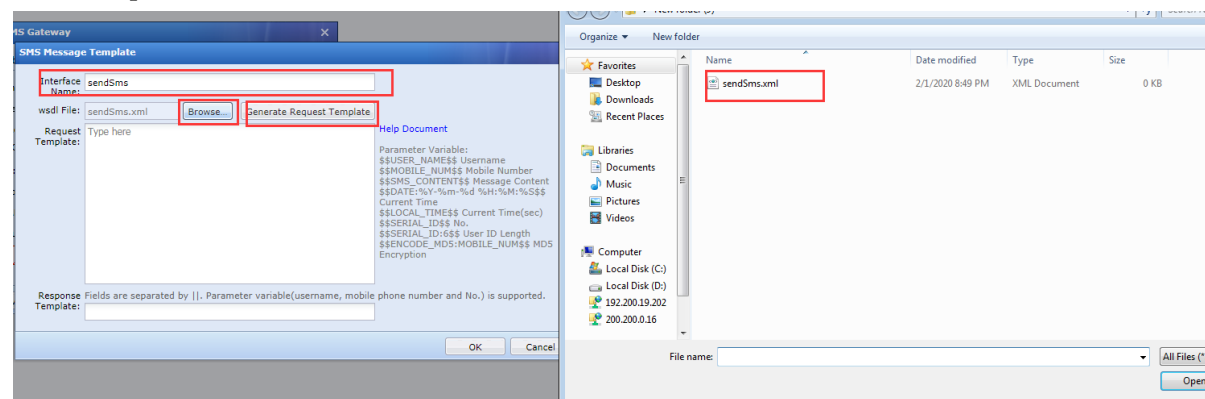
Request Type:

URL Template:

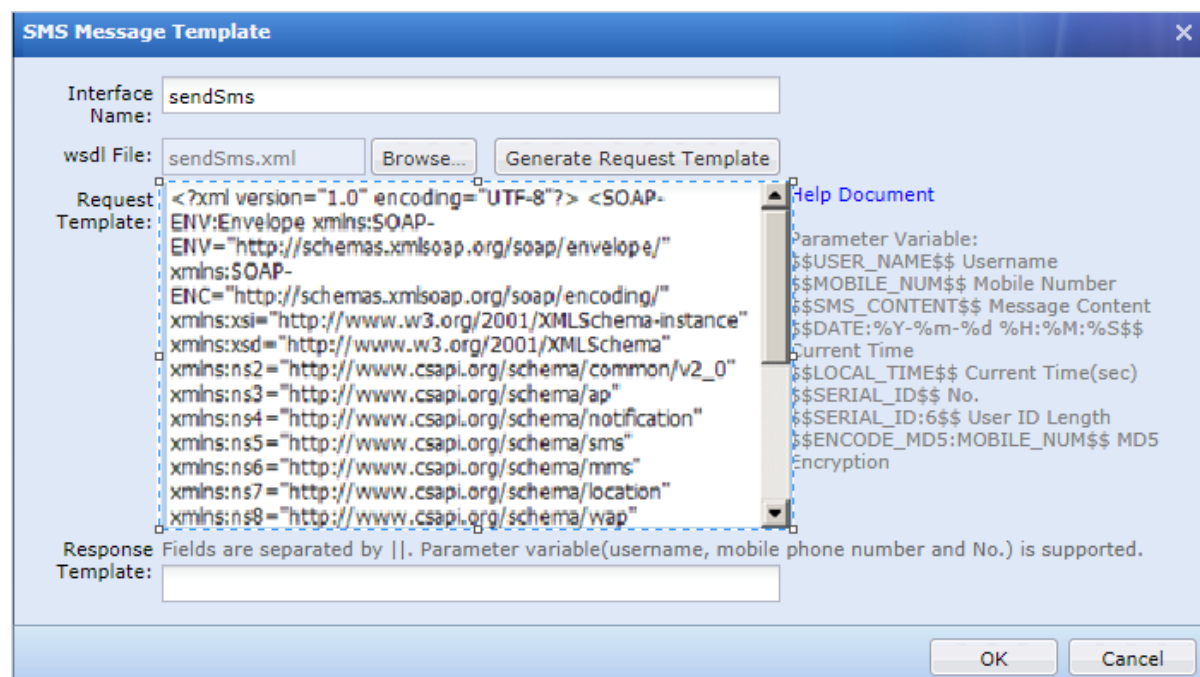
Buttons: Test Validity, Commit, Cancel

4 Configuration and Snapshots

Through `http://IP/services/cmcc_mas_wbs?wsdl` file, (in general, web service API URL need to add “?wsdl” to get the wsdl document), this type of web form, it can be export as html, we need to import the wsdl file into the device with the API file provided by customer and send sendSMS (This Interface name is very important, else it cannot submit as the template, different SMS platform, it depend on the wsdl), the name sendSms insert the name, if request template customer doesn't has the requirement, just insert 200 or keep it blank.



After click for generate request template, it will form the message as below



Follow the Web service Interface document provided by customer, add with our parameter, edit different parameter, and change the static parameter in template to our device parameter variable.

```
<?xml version="1.0" encoding="UTF-8"?> <SOAP-ENV:Envelope
xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns2="http://www.csapi.org/schema/common/v2_0"
xmlns:ns3="http://www.csapi.org/schema/ap"
xmlns:ns4="http://www.csapi.org/schema/notification"
xmlns:ns5="http://www.csapi.org/schema/sms" xmlns:ns6="http://www.csapi.org/schema/mms"
xmlns:ns7="http://www.csapi.org/schema/location"
xmlns:ns8="http://www.csapi.org/schema/wap" xmlns:ns1="http://www.csapi.org/service"
xmlns:ns9="http://www.csapi.org/schema/ussd"> <SOAP-ENV:Body> <ns5:sendSmsRequest>
<ApplicationID>SendMsg</ApplicationID>
<DestinationAddresses>tel:$MOBILE_NUM$</DestinationAddresses>
<ExtendCode>22</ExtendCode> <Message>$$SMS_CONTENT$$</Message>
<MessageFormat>GB2312</MessageFormat> <SendMethod>Long</SendMethod>
<DeliveryResultRequest>false</DeliveryResultRequest> </ns5:sendSmsRequest>
</SOAP-ENV:Body> </SOAP-ENV:Envelope>
```

From here,

ApplicationID is the application ID or plug-in ID configured on the SMS gateway of the MAS (requires to log in to the SMS gateway to view)

ExtendCode refers to the internal extension number filled in by the application, which is displayed after the application ID or plug-in ID. This requires communication with third parties to confirm whether this parameter is turned on.

The **DestinationAddress** and **Message** parameters can be modified according to the parameters on the right of the configuration SMS template. **MessageFormat** refers to the message encoding type, generally ASCII, in this case GB2312 (you can consult a third party). **SendMethod** refers to the option of sending messages, usually Normal, in this case Long (you can consult a third party).

Click the test, if you can receive the text message, you are done. If not, you need to check whether the parameters are correct, and you need to communicate with the third-party SMS vendors' parameter)

5 HTTP GET or HTTP POST Configuration

Introduction

Note: Each manufacturer may be different, but all are similar)

<http://GATEWAY.IEMS.NET.CN/GsmsHttp?username=10005:jifudf&password=3319jf&to=18802596250&content=>

Among them:

<http://GATEWAY.IEMS.NET.CN/GsmsHttp?> Site for texting

10005: jifudf is the username

3319jf is the password

18802596250 Mobile number for receiving text messages

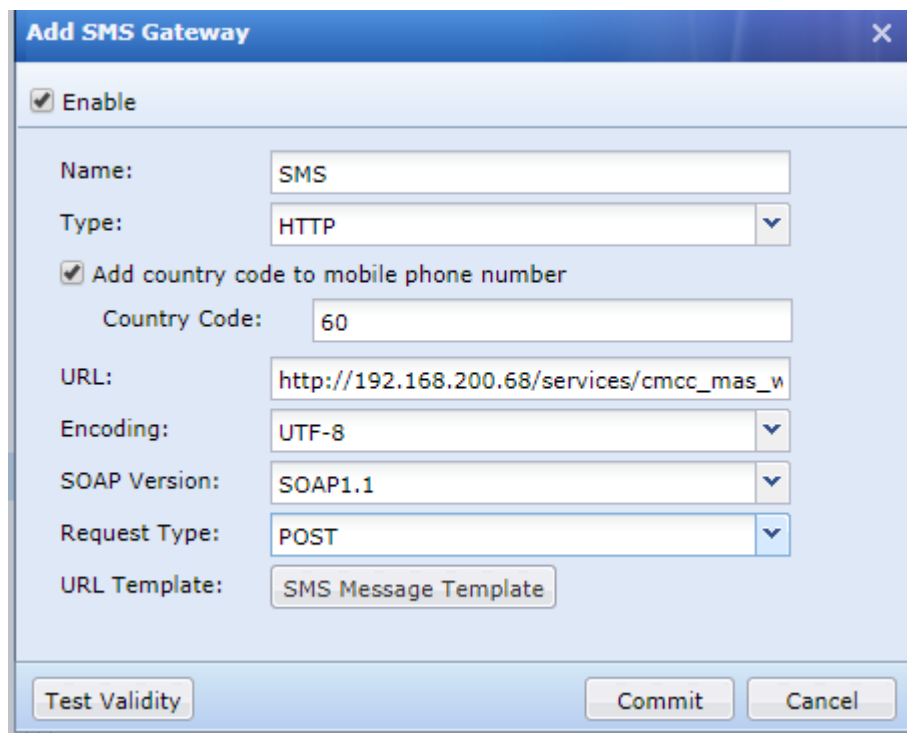
Testing123

2. Enter the following information in the Internet Explorer on a computer with Internet access

<http://219.xxx.59.101/GsmsHttp?username=10002:sun-cy&password=888&to=150xxxx4393> (note this is a mobile phone number) & content = hello (this is the content of a text message)

The webpage prompts that the text message is sent successfully, and confirms whether the mobile phone can receive the text message. If the following operations can be performed:

3. Configuration parameter settings

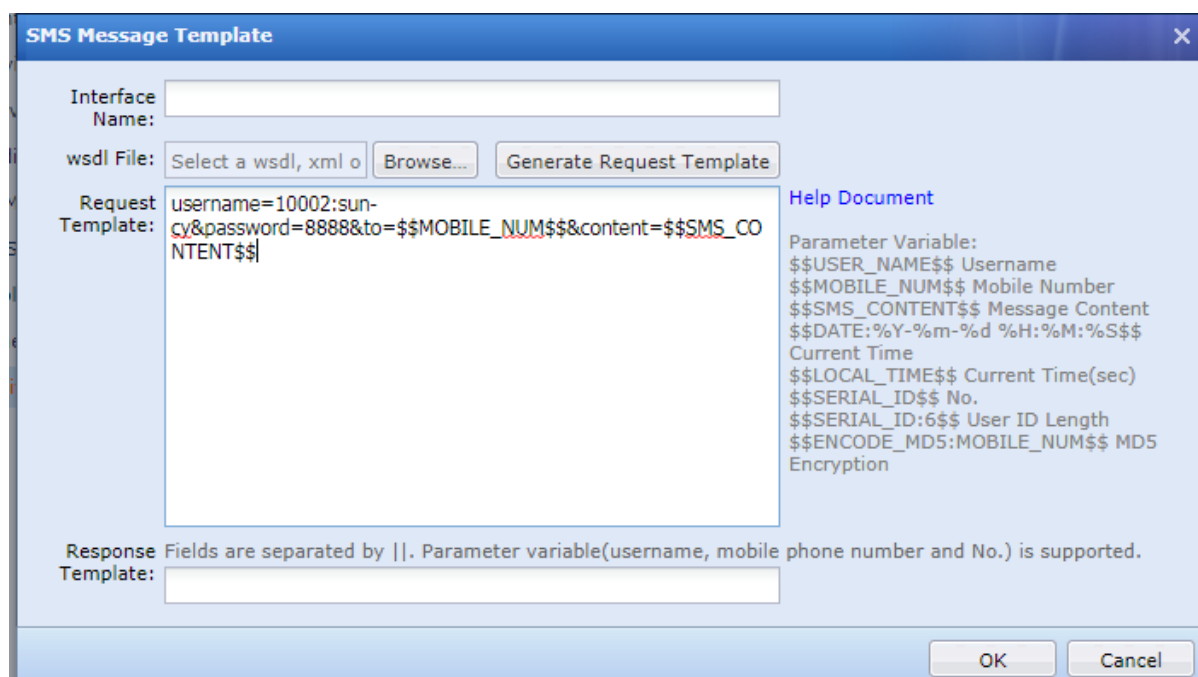


Note: The URL address generally intercepts the previous part of the URL for sending short messages “?”, And the coding and request types are filled in according to the actual situation.

4. Configure SMS Template

Click "Configure SMS Template", add the second half of the URL to it and replace the mobile phone number and SMS content with the parameters on our right.

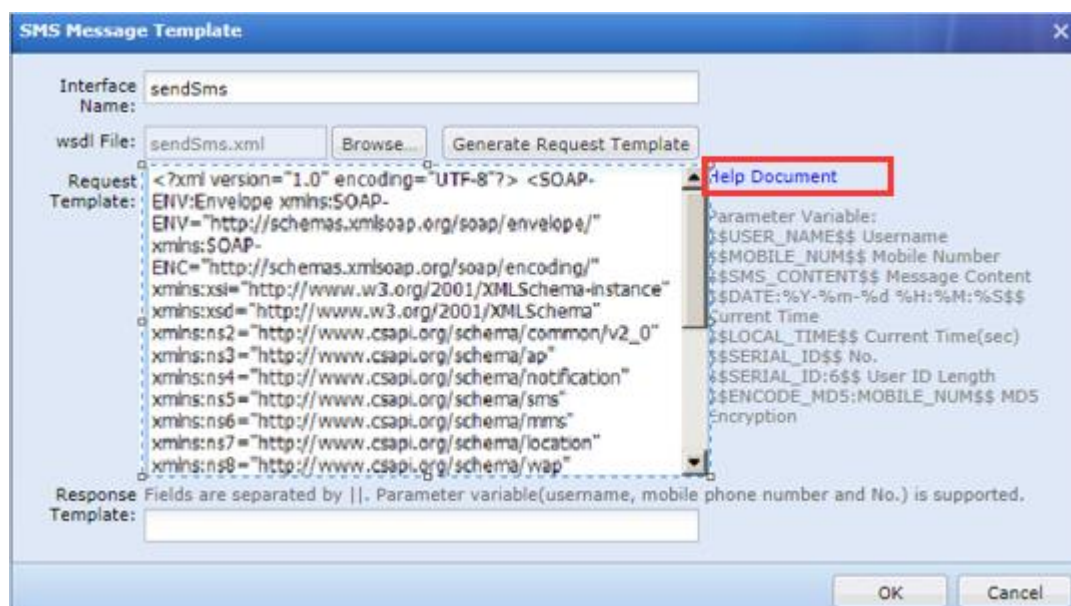
Note: The interface name can be saved without filling it in.



5. At this point, the configuration is completed, and the test is successful.

6 Precaution

1. The sending module must select "Send through the device's built-in SMS module".
2. Before configuration, communicate with the customer to clearly send the parameters of the short message, and obtain the wsdl file or short message sending instance.
3. For the parameter variable setting, please refer to the "View Help" information on the device console, as shown below:





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