# Two-Way SMS text with SMSWorks

Use these instructions for one way too

## Requirements

- An account with SMSWorks
- Incoming numbers configured at SMSWorks
- In the IQX database, the following functions and procedures are needed: IQXLocalConversation, IQXLocalConversationContactClasses, IQXLocalConversationInsert, IQXLocalConversationSendURL, OutgoingSMSCETypes, IQXLocalConversationSendURL
- In Maintenance | Database Setup | Web Pages the following items are needed: conversation.html, conversation.css, conversation.ctrl.js, paging.svc.js
- In the IQX database, the following tables SMSIncomingNumber, SMSIncomingProblem, SMSTestLog, SMSWorksConfig are needed.
- If NOT in Anywhere, an IQXHub is required, the listening port needs to be accessible from the internet (so port forwarding may be required). The hub should be authenticated, using the appropriate profile - created in Maintenance | IQXWeb Setup | Profiles as described below.

## Setting Up

- Generate API key, secret & token in SMSWorks account website
- Create an **IQX Consultant** called **SMSWORKS** - Create a **Web Login** for this Consultant - Make username = **SMSWORKS** and password = **SMSWORKS**. This will be used by SMSWorks to call a WebHook provided by IQXHub that will receive and process incoming text messages from SMSWorks.
- Populate the SMSWorksConfig table with the Token (from SMSWorks) and the UserName, Password chosen above.

```
INSERT INTO SMSWorksConfig (
SMSWorksConfigID,Token,ResponseURL,DivisionID,UName,PWord ) VALUES (
'1', '<Token>', 'https://pizza.iqxanywhere.net/job/IncomingSMS',  null
, 'SMSWorks', '<password>' );
```

- Configure the functions OutgoingSMSCETypes & CustomSMSHTTPRequest
- Upload the IncomingSMS.xml job to the Jobs Folder
- In iqxWEB Setup use the "**Create Hub for Web Services**" button at the top and call it "**SMSWORKS**" with the password "**SMSWORKS**"
- In Maintenance | IQXWeb Setup | User Classes Add **IncomingSMS** to the permitted jobs for the **SMSWORKS** User Class
- In the SMSWorks Account | Reply Numbers - set the response URL eg: https://pizza.iqxanywhere.net/job/IncomingSMS, and the Username and Password as set up in IQX Web Setup for each response number (**SMSWORKS** for **Username** and **Password**)

- Check that the Applicant and other phone types for mobile numbers include the **S** Capability.
- In IQX Maintenance | General Settings set or check the following settings:
  30 - *Can send SMS Messages via E-Mail* set to N
  40 - *Can send SMS Messages via HTTP* set to Y
  90 - *The HTTP Request to use for SMS Messages* should be blank as the function will be used
  120 - *Default Contact Event Type Code for Sending SMS* set to the correct code
  450 - *Contact Event Class for Incoming SMS* set to the contact event type for incoming SMS
- Against the IQX User record for users who are going to be using Two-Way SMS, set one of the available incoming mobile numbers on the SMS Number view.



If non-anywhere Client, a separate Hub will need to be configure to handle the incoming traffic and the URL (which is currently the pizzaURL) will look something like this
http://HUB-PUBLIC-IP:HUB-PORT/IQXjob/IncomingSMS
eg. http://195.20.254.57:54010/IQXjob/IncomingSMS
IP addresses will need whitelisted for this port to be open to, it is normally 3 ip addresses and can be obtained from SMSWorks and passed onto the Clients IT to whitelist.

## Using

Once the system is configured, a mobile phone style icon appears on Applicant / Candidate form next to the Make Contact Event icon. This shows the chat history between the current user and the Applicant / Candidate. All SMS texts (in both directions and from all consultants) also appear in the Contact Event view as normal.

## Troubleshooting

**If you get the error "Payment Required"** They may have run out of credit; get the account holder to top up credits on the account
**"Payment Required" and plenty of credits?** Re-do the API Key and Secret in the SMSWorks account and make sure to update the CustomSMSHTTPRequest
**Still trying to send via email when SMSWorks is HTTP** Ensure General Setting **Can send SMS Messages via E-Mail** = **N** AND **Can send SMS Messages via HTTP** = **Y**
**Bad Request Error** Check if its a dodgy number?
**Number not sending through IQX?** Try sending an SMS through SMSWorks Account and if it works, then try again in IQX

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