Two-Way SMS text with SMSWorks

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>' );
```



If non-anywhere Client the URL 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

- Configure the functions OutgoingSMSCETypes & CustomSMSHTTPRequest
- Upload the IncomingSMS.xml job to Maintenance | Databases Setup | System Jobs and Reports

- Use the Create Hub For Web Services button in Maintenance | IQXWeb Setup | Profiles to create a User (normally SMSWorks as above) and User Class for a user matching the details (including password) set up in SMSWorksConfig above.
- In Maintenance | IQXWeb Setup | User Classes Add IncomingSMS to the permitted jobs for the new 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 (NB in the case of non-Anywhere installations - a separate Hub will need to be configure to handle the incoming traffic)
- In IQX Maintenance | Agency Setup - ensure that Contact Event Types are set up for SM / text messaging - you probably want incoming and outgoing.
- 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. (This must be done manually using numbers set up on the SMSWorks account web site , the buttons GetNewNumber and Release Number do not currently work).

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.

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