# **ReadMe**

# **Twilio – Send SMS/ WebEx Integration Demo**

## Features

* Send SMS directly from your browser to multiple phone numbers:

<http://127.0.0.1:5000/sendsms?to=+614XXXXXXXX,+614XXXXXXXX&body=ABC>

Graphical user interface, text, application, email

Description automatically generated

* Phone number validation
* Access to local SMS message logs to check the message delivery status:

<http://localhost:5000/smslog>

Graphical user interface, text, application

Description automatically generated

* Store SMS message logs locally in sms-data.csv file
* You will be able to keep track of the message delivery status via WebEx Teams notifications.

Graphical user interface, text, application

Description automatically generated

* User can send SMS messages directly from WebEx Teams to multiple phone numbers:

Graphical user interface, text

Description automatically generated

## Setup

1. Create Twilio Trial account (<https://www.twilio.com/login>) and record the account ID and Auth Token

Background pattern

Description automatically generated

1. Buy a phone number using Twilio console and make sure it is SMS enabled

Graphical user interface, text, application

Description automatically generated

1. On <https://developer.webex.com/docs/bots> create a new Cisco WebEx Teams Bot and capture the Bot username and the Access token:

Graphical user interface, text, application, email

Description automatically generated

1. Install Python on your local computer or a dedicated server.
2. Install ngrok
3. Install the following Python libraries using windows CMD:
   * + pip install twilio
     + pip install flask
     + pip install csv
     + pip install requests
4. run ngrok using the following command from CMD:

C:\Users\eng\_r>ngrok http 5000

A screenshot of a computer

Description automatically generated with medium confidence

Capture the highlighted **Forwarding URL**

1. Create the following system environment variables using the data captured in step 1 and 3

Graphical user interface, text, application, email

Description automatically generated

1. Create WebEx Teams webhook by browsing to the below URL and enter the details below

<https://developer.webex.com/docs/api/v1/webhooks/create-a-webhook>

Graphical user interface

Description automatically generated

targetURL should be set to the Forwarding URL generated by ngrok in step 7

1. Edit the following variables in the **send\_message.py** script:

notification\_webex\_account= 'remon.gaber@kytec.com.au'

ngrok\_url = 'http://aad0237fc54b.ngrok.io'

twilio\_phone\_number = '+17813994155'

1. Run the **send\_message.py** script

Text

Description automatically generated

## Test and Demo

1. Add the WebEx bot you created earlier to your WebEx Teams so you can receive delivery notifications

[myfirstDev@webex.bot](mailto:myfirstDev@webex.bot)

Rectangle

Description automatically generated with low confidence

1. Send SMS message from your browser by launching your browser interface and enter the below URL:

http://127.0.0.1:5000/sendsms?to=+61448576622,+61448576622&body=hi how are you

Graphical user interface, text, application, email

Description automatically generated

1. Click on SMS Log to check the message status:

Graphical user interface, text, application

Description automatically generated

1. You should receive WebEx notification when the message is sent and delivered

Graphical user interface, text, application

Description automatically generated

1. To send SMS message from WebEx. Type the following in the newly created WebEx Teams BOT:

send sms to:[+61448576622] Your Text Message

Graphical user interface, text, application

Description automatically generated