A2019 – SMS Weather Alert

README

Table of Contents

1. Introduction

This document contains all essential information for the user to make full use of this A2019 – SMS Weather Alert. This bot retrieves the current weather report and sends the report to employees via sms.

1.1 Overview

- Gives the Weather Data Report
- Send sms to employees with current weather data wherein city that resides the office
- Daily Weather Notification BOT with Custom SMS message functionality using Twilio

1.2 Use cases

The key use cases include:

- Uses an api to get current location
- Retrieves Weather data from an open-source API
- Can retrieve weather report of the current location
- Send sms of the report using twilio api
- Use of python script to send the sms.

2.   Requirements & Pre-requisites

2.1   System Requirements

Enterprise A2019 (Cloud deployed) and Community Edition device requirements.
Review the machine hardware specifications, operating system versions, and browser types supported by Automation Anywhere Enterprise for creating and running bots and command packages as an Enterprise A2019 (Cloud deployed) or Community Edition user on your local machine.

2.2   Prerequisites

1. Automation anywhere enterprise A2019 enterprise installed.
2. Python 3.8.x must be installed. Install from here
3. Mandatory Python Libraries to be installed(How to Install a Package in Python):
   a. Twilio
   b. openpyxl
   c. pytemperature
   d. requests
   e. json

3. Getting Started

3.1 Quick Start

3.1.1 Configuration and Use

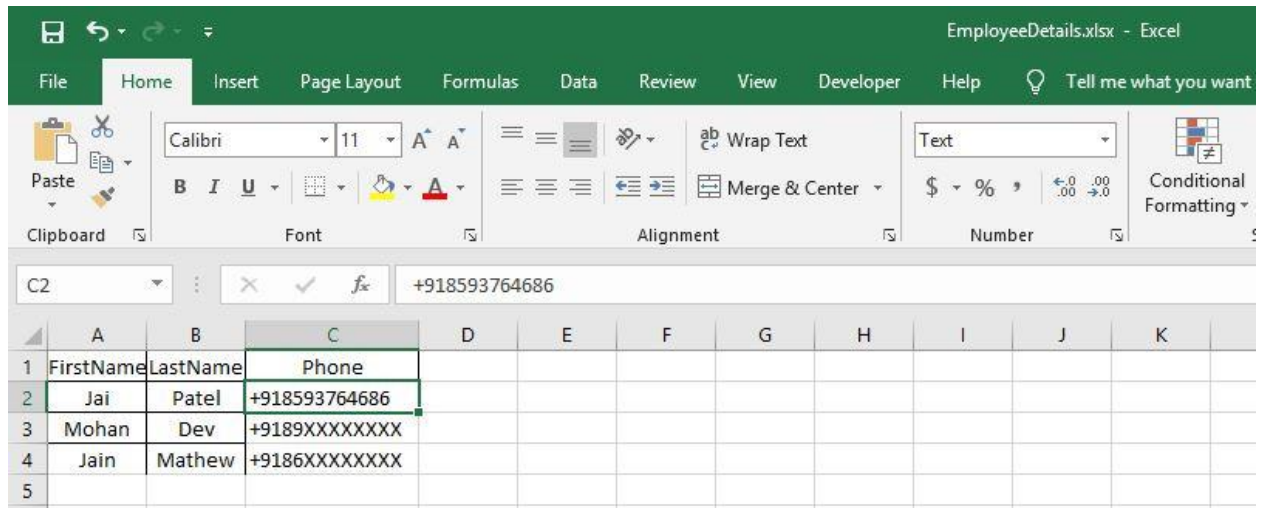| INPUT VARIABLES: Input Variables to be mentioned in this Table.					
Variable Name	Type	Mandatory	Purpose	Direction	Additional Info
vDictionaryOfValues	Dictionary*	Yes	• Contains the API Key for weather REST API • Contains token and account sid value for twilio api • Contains from twilio number • Contains path of excel sheet.	Input	<table><tr><td>Key</td><td>Value</td></tr><tr><td>api_key</td><td>Provide Your API key* Eg: 51c162bc479d6ff7fb9f6fea8f6f0951</td></tr><tr><td>path</td><td>Default path D:\Employee details\EmployeeDetails.xlsx</td></tr><tr><td>account_sid</td><td>Provide Your twilio authentication token* Eg: AC065460f2e48a56396c25b1d01d24cf71</td></tr><tr><td>auth_token</td><td>Provide Your Twilio account sid* Eg: 489031df504af59a6e2e3ddf2f6a9d40</td></tr><tr><td>twilio_number</td><td>Eg: +12059527799</td></tr></table> path : already defined , no need to add unless want to change the location of input file. Create an excel input file with firstname,lastname and phone number as provided below. The format* of phone number should be : In India phone number starts with +91. Eg:**+9185XXXXXXXX**
vLogFolder	String	Yes	This folder contains Log file(errorlog.txt) in case of error	Input	(Already defined, no need to add value unless want to change the location of file). **Provided Path**: D:\A2019 – SMS Weather Alert

*To ensure correct format of phone are provided, visit here

* Collection of key-value pairs in which each key is mapped to a value

Note :To get current location using a open geolocation api

Input File:-

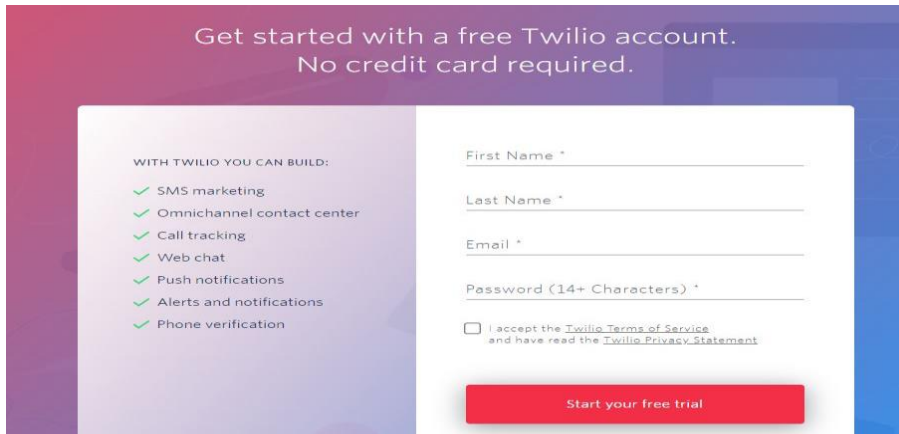Create an Excel sheet in this format.

Output SMS:-

Sent from your Twilio trial account - Current Weather Forecast in Ernakulam:
 Expecting moderate rain, Temperature (in celsius)= 24.0, Atmospheric pressure (in hPa unit)= 1011, Humidity (in percentage)= 100
Hope this info helps you,Have a safe journey

4.   API Getting Started

4.1   Quick Start

4.1.1   API Configuration and Use

- **For Sending Sms Using Twilio***
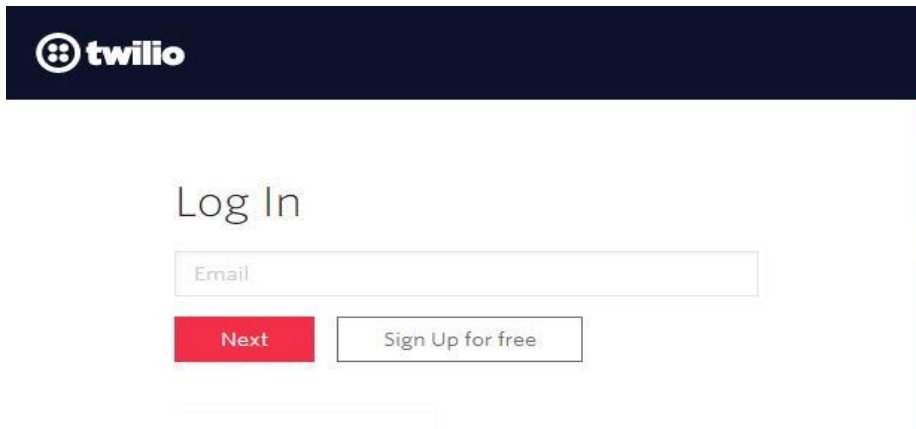
Step 1: *Sign up Click Here*

Step 2: *Login and go to Dashboard*

Step 3: *Get a trial twilio number. Copy Twilio number, Account Sid and Auth Token. Go to A2019 - SMS Weather Alert Bot*

Step 4: *Edit variable vDictionaryOf values and set value for respective key-value pairs*

For trial account , only verified twilio numbers can be used in the excel sheet. Verify [here](#)

Kloudpad

Edit variable

| Cancel | Apply |

Key ✕
path

Value
D:\Employee details\EmployeeDetails.xlsx

Key ✕
account_sid

Value
AC065460f2e48a56396c25b1d01d24cf71

Key ✕
auth_token

Value
489031df504af59a6e2e3ddf2f6a9d40

Key ✕
twilio_number

Value
+12059527799

+

- **For Fetching Weather Report using openweathermap.org**

Step 6*: Sign in and Login*

Step 7: Subscribe for current weather data

Current & Forecast weather data collection

Current Weather Data

API doc Subscribe

- Access current weather data for any location including over 200,000 cities
- Current weather is frequently updated based on global models and data from more than 40,000 weather stations
- JSON, XML, and HTML formats
- Available for both Free and paid subscriptions

Hourly Forecast 4 days

API doc Subscribe

- Hourly forecast is available for 4 days
- Forecast weather data for 96 timestamps
- Higher geographic accuracy
- JSON and XML formats
- Available for Developer, Professional and Enterprise accounts

One Call API NEW

API doc Subscribe

- Make one API call and get current, forecast and historical weather data
- **Minute forecast** for 1 hour
- **Hourly forecast** for 48 hours
- **Daily forecast** for 7 days
- **Historical data** for 5 previous days
- JSON format
- Available for both Free and paid subscriptions

Step 8 :*Get Api key and repeat step 4.*

5.Support & FAQs

5.1 Support

Free bots are not officially supported.   You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on APeople – the Bot Building Forum, the Bot Store Support Forum, or the Developers Everywhere Group.
- Automation Anywhere also provides a Product Documentation portal which can be accessed for more information about our products and guidance on Enterprise A2019.

5.2 FAQs

For questions relating to Enterprise A2019: See the Enterprise A2019 FAQs.

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1.	1.0	13/September/2020	Shabeera Beebi	Release Version

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise A2019	Click here
2	Guidance: Building basic A2019 bots	Click here
3	Guidance: Building A2019 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here