

A2019 – SMS Weather Alert

README

Version A2019.14

13/09/2020

Table of Contents

| | |
|---|-----------|
| 1. Introduction | 3 |
| 1.1 Overview | 3 |
| 1.2 Use Cases | 3 |
| 2. Requirements & Prerequisites..... | 3 |
| 2.1 System Requirements..... | 4 |
| 2.2 Prerequisites | 4 |
| 3. Getting Started | 5 |
| 3.1 Quick Start | 5 |
| 3.2 Configuration | 5 |
| 4. Support & FAQs | 10 |
| 4.1 Support | 10 |
| 4.2 FAQs | 10 |
| Appendix A: Record of Changes | 11 |
| Appendix B: References..... | 12 |

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 | <ul style="list-style-type: none"> 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 border="1"> <thead> <tr> <th>Key</th> <th>Value</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>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: +9185XXXXXXX</p> | Key | Value | api_key | Provide Your API key* Eg: 51c162bc479d6ff7fb9f6fea8f6f0951 | path | Default path D:\Employee details\EmployeeDetails.xlsx | account_sid | Provide Your twilio authentication token* Eg: AC065460f2e48a56396c25b1d01d24cf71 | auth_token | Provide Your Twilio account sid* Eg: 489031df504af59a6e2e3ddf2f6a9d40 | twilio_number | Eg: +12059527799 |
| Key | Value | | | | | | | | | | | | | | | | |
| api_key | Provide Your API key* Eg: 51c162bc479d6ff7fb9f6fea8f6f0951 | | | | | | | | | | | | | | | | |
| path | Default path D:\Employee details\EmployeeDetails.xlsx | | | | | | | | | | | | | | | | |
| account_sid | Provide Your twilio authentication token* Eg: AC065460f2e48a56396c25b1d01d24cf71 | | | | | | | | | | | | | | | | |
| auth_token | Provide Your Twilio account sid* Eg: 489031df504af59a6e2e3ddf2f6a9d40 | | | | | | | | | | | | | | | | |
| twilio_number | Eg: +12059527799 | | | | | | | | | | | | | | | | |
| vLogFolder | String | Yes | This folder contains Log file(errorlog.txt) in case of error | Input | <p>(Already defined, no need to add value unless want to change the location of file). Provided Path: D:\A2019 – SMS Weather Alert</p> | | | | | | | | | | | | |

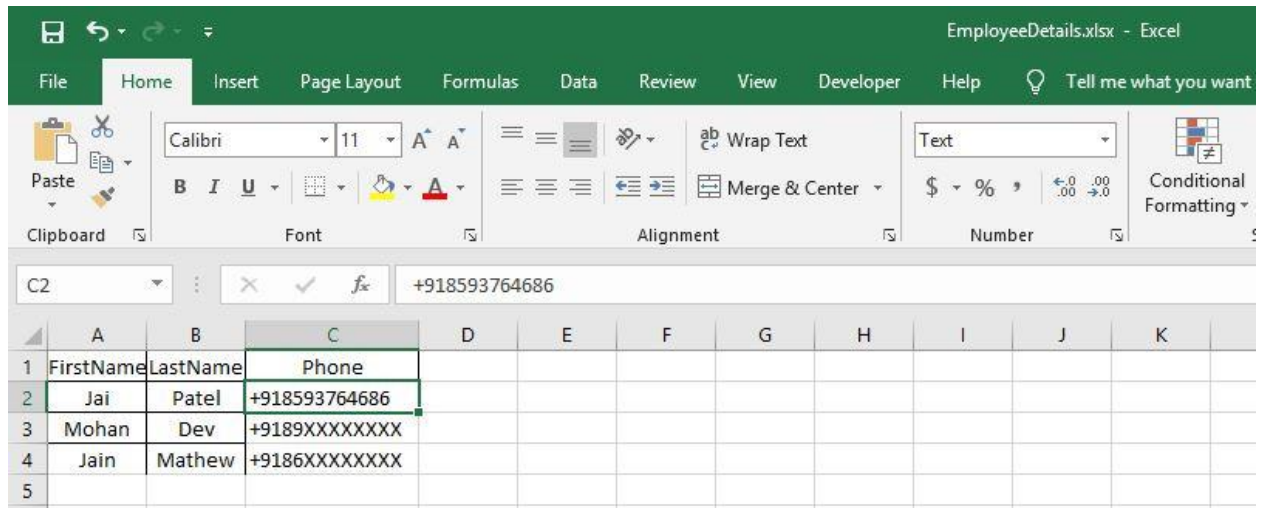
*To ensure correct format of phone are provided, visit [here](#)

* 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.



The screenshot shows an Excel spreadsheet titled "EmployeeDetails.xlsx". The spreadsheet has the following data:

| | A | B | C | D | E | F | G | H | I | J | K |
|---|-----------|----------|---------------|---|---|---|---|---|---|---|---|
| 1 | FirstName | LastName | Phone | | | | | | | | |
| 2 | Jai | Patel | +918593764686 | | | | | | | | |
| 3 | Mohan | Dev | +9189XXXXXXXX | | | | | | | | |
| 4 | Jain | Mathew | +9186XXXXXXXX | | | | | | | | |
| 5 | | | | | | | | | | | |

Output SMS:-

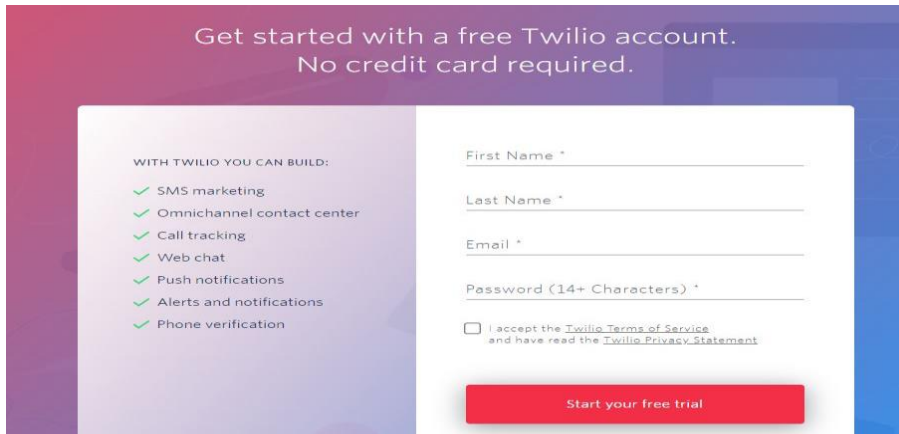
Sent from your Twilio trial account - Current Weather Forecast in Ernakulam:
Expecting moderate rain,
Temperature (in celsius)= 24.0, Atmospheric pressure (in hPa unit)= 1011, Humidity (in percentage)= 100
Hope this info helps you,Have a safe journey

4. API Getting Started

4.1 Quick Start

4.1.1 API Configuration and Use

- For Sending Sms Using Twilio*



Get started with a free Twilio account.
No credit card required.

WITH TWILIO YOU CAN BUILD:

- ✓ SMS marketing
- ✓ Omnichannel contact center
- ✓ Call tracking
- ✓ Web chat
- ✓ Push notifications
- ✓ Alerts and notifications
- ✓ Phone verification

First Name *

Last Name *

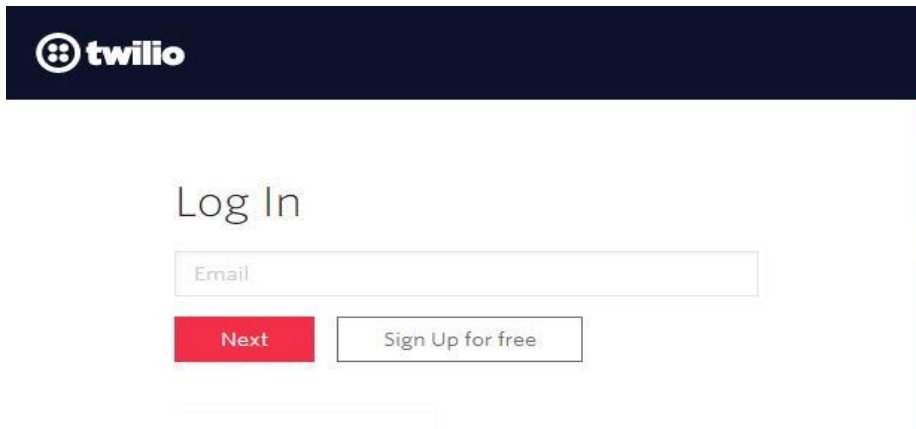
Email *


Password (14+ Characters) *

I accept the [Twilio Terms of Service](#)
and have read the [Twilio Privacy Statement](#)

Start your free trial

Step 1: [Sign up Click Here](#)





Log In

Email

Next

Sign Up for free

Step 2: [Login](#) and go to [Dashboard](#)

Project Info

TRIAL BALANCE

\$15.50

[Get a Trial Number](#)

[How does Twilio use numbers? ↗](#)

REFERRAL PROGRAM

Refer your network to Twilio — give \$10, get \$10. [Referral Dashboard](#)

ACCOUNT SID

ACdfef2730d0d04369988576bfa406f98e 📄

AUTH TOKEN

Show 📄

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

A2019 - SMS Weather Alert ▶ Run ⚙ Debug ⚙ Analyze Close Save ⋮

Flow List Dual

Variables

Search variables

User-defined

- 🔑 prompt-assignment
- 📁 vDictionaryOfValues
- 🔑 vLogFolder

Clipboard

String

System

Actions Show

Triggers Show

✎ Edit variable...
🗑 Delete variable

Folder: Create SvLogFolder\$

⬇

⬇

If

string \$prompt-assignment\$...

⬇

LOG

Log to file

"All actions completed s..." to ...

⬇

If: Else

LOG

Log to file

"\$prompt-assignment\$. Ch..."

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](#)*

Page 8 of 12

Edit variable Cancel Apply

| | | |
|-------|--|---|
| Key | path | ✕ |
| Value | D:\Employee details\EmployeeDetails.xlsx | |
| Key | account_sid | ✕ |
| Value | AC065460f2e48a56396c25b1d01d24cf71 | |
| Key | auth_token | ✕ |
| Value | 489031df504f59a6e2e3ddf2f6a9d40 | |
| 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 |