Notify with Slack

Readme

Version 1.0
March 2, 2020
# Table of Contents

1. **Introduction** .............................................................................................................................................. 3  
   1.1 Overview .................................................................................................................................................. 3  
   1.2 Common Use cases ................................................................................................................................. 5  

2. **Requirements & Prerequisites** .................................................................................................................. 6  
   2.1 System Requirements .............................................................................................................................. 6  
   2.2 Prerequisites ............................................................................................................................................ 7  
   2.3 Security Measures ................................................................................................................................. 7  

3. **Getting Started** .......................................................................................................................................... 8  
   3.1 Quick Start ............................................................................................................................................... 8  
      3.1.1 Setup .............................................................................................................................................. 8  
      3.1.2 Configuration .................................................................................................................................. 10  

4. **Support and FAQs** ................................................................................................................................. 11  
   4.1 Support .................................................................................................................................................. 11  
   4.2 FAQs ..................................................................................................................................................... 11  

Appendix A: Record of Changes ...................................................................................................................... 13  
Appendix B: Acronyms ..................................................................................................................................... 14  
Appendix C: References .................................................................................................................................... 15
1. Introduction

This document contains all essential information for the user to make full use of this A2019 Notify with Slack Bot. This manual includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the Bot.

1.1 Overview

The Notify with Slack Bot takes text message as an input and posts the message notification to a designated Slack Channel.

- Input: Set the keys and values in the dictionary vConnectParameters. The keys to be populated are - url, token, message, username, channel.

![Edit variable form](image-url)
- Slack Notification Bot

The above dictionary parameter is set in the SlackIntegrator Task File

- Slack Notification Bot Logic
• Output: Slack Notification

1.2 Common Use cases

A common use case, as shown above, is to have a message notification sent over designated Slack channel. Examples of other use cases includes:

• Send Notification on Slack with New Member Onboarding

• Send Notification on Slack with Payroll Updates

• Send Notification on Slack with Leave Balance Updates
# Requirements & Prerequisites

## 2.1 System Requirements

Below are the minimum system requirements for running bots as an Enterprise A2019 (Cloud deployed) or Community Edition user on your local machine.

### Hardware Requirements

<table>
<thead>
<tr>
<th>Device</th>
<th>Processor</th>
<th>RAM</th>
<th>Storage (Free Space)</th>
<th>Network</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine</td>
<td>Intel Core i5 2.6 GHz</td>
<td>4 GB minimum 8 GB recommended</td>
<td>32 GB</td>
<td>1 GbE</td>
</tr>
<tr>
<td>Bot Creator and Bot Runner</td>
<td>No additions to the machine requirements</td>
<td>No additions to the machine requirements</td>
<td>Add 100 through 150 KB per Automation Anywhere script</td>
<td>Add 40 through 50 GB per long-term project</td>
</tr>
</tbody>
</table>

### Browser Requirements

The user interface for Automation Anywhere Enterprise is through a browser. Login to your device then login to Enterprise Control Room through a browser.

<table>
<thead>
<tr>
<th>Browser</th>
<th>Browser Version</th>
<th>Automation Anywhere plug-in version</th>
<th>Supported bot functions by Bot agent version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Google Chrome</td>
<td>57 or later</td>
<td>11 or 12</td>
<td>2.0.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.0.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.0.1</td>
</tr>
<tr>
<td>Microsoft Internet Explorer</td>
<td>11</td>
<td>N/A</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Debugger only</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>All except Credential Vault</td>
</tr>
</tbody>
</table>

1. Google Chrome re-verification
2. Google Chrome plug-in versions

**CAUTION:** Google Chrome requires re-verification of permissions when the Automation Anywhere Google Chrome extension (Version 11.3.3 or later) is updated. If prompted, click *Enable this item* in the Google Chrome message. Alternatively, re-enable the extension through *chrome web store*. Similarily, if you are deploying your Bot Runners from a master image, accept the permission from within that image.

**A2019 supports Chrome plug-in version 11. If you have other versions installed, you might not be able to record tasks using the Record feature or Capture action. To resolve this issue, do the following:**

1. Rename the `automation.chrome.agent` registry key to `automation.chrome.agent.old`. The registry key is available at: `Computer\HKEY_CURRENT_USER\Software\Google\Chrome\NativeMessagingHosts`
2. Disable all other Google Chrome plug-in versions you have installed, except for version 11.
2.2 Prerequisites

- **Software’s needed** -
  - ✓ Slack WebApp

- **Accounts/License needed –**
  - ✓ Slack Account. Slack account can be opened at [here](#)

2.3 Security Measures

There are some security best practice recommendations that you may follow with your bot.

- It is recommended to update Slack [API](#) Tokens twice or more in a quarter to ensure data safety.
3. Getting Started

3.1 Quick Start

3.1.1 Setup

STEP 1 (Setting up a Slack Account):

Click [here](#).

The below page will appear once the above link is clicked -

- If you already have an account, click on ‘Launch’.
- For new users, click on ‘Create a new Workspace’ and sign in to your account.

Step 2 (Generating URL & Keys):

Click [here](#).

The below page will appear once the above link is clicked -
• Click on the “Add Configuration” option.

• It will take you to another page and give you an option to choose a channel. Choose a channel to which you want the bot to post and click “Add Incoming Webhooks Integration”.

• It will give a Webhook URL which contains the token (highlighted part) looks something like the below example:

  [URL Example]

• Example of URL – Highlighted in Green.
• Example of Token – Highlighted in Yellow.
3.1.2 Configuration

Below is a table that summarizes what the variable name is, what it does, and an example of the input & output:

<table>
<thead>
<tr>
<th>Variable Name</th>
<th>Type</th>
<th>Mandatory (Yes/No)</th>
<th>Purpose</th>
<th>Example Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>vConnectParameters</td>
<td>Dictionary</td>
<td>Yes</td>
<td>Dictionary containing all the necessary key value pairs to post message notification to slack channel</td>
<td>Contains keys like below url, token, message, username, channel</td>
</tr>
<tr>
<td>url</td>
<td>String</td>
<td>Yes</td>
<td>Key in vConnectParameters. URL of slack hook</td>
<td><a href="https://hooks.slack.com/services/">https://hooks.slack.com/services/</a></td>
</tr>
<tr>
<td>token</td>
<td>String</td>
<td>Yes</td>
<td>Key in vConnectParameters. Slack API Token</td>
<td>TLKSJ063U/BLX92BKFS/wwww</td>
</tr>
<tr>
<td>message</td>
<td>String</td>
<td>Yes</td>
<td>Key in vConnectParameters. Message to be posted to slack channel</td>
<td>Testing slack notification bot</td>
</tr>
<tr>
<td>Channel</td>
<td>String</td>
<td>Yes</td>
<td>Key in vConnectParameters. Slack channel in which message should be posted</td>
<td>#general</td>
</tr>
<tr>
<td>username</td>
<td>String</td>
<td>Yes</td>
<td>Key in vConnectParameters. Username of the Slack Account</td>
<td>john12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Variable Name</th>
<th>Type</th>
<th>Mandatory (Yes/No)</th>
<th>Purpose</th>
<th>Example Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>prompt-assignment</td>
<td>Text</td>
<td>No</td>
<td>Displays whether the Slack message has been sent successfully</td>
<td>True</td>
</tr>
</tbody>
</table>
4. Support and FAQs

4.1 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 AutomationAnywhere 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.
• IEX Cloud API documentation is available at https://iexcloud.io/docs/api/

4.2 FAQs

Q: Can I make changes to this bot?
A: Absolutely. Free bots are for you to make use of, customize, and/or include in your builds as you see fit.

Q: Can I upgrade the packages for this bot?
A: Yes – but know that the bot was created/tested on a specific package version. Any modifications to that may result in unexpected outcomes – so make sure to test the bot/subtask after making any package version modifications.
Q: How can I change the output format of the bot?
A: When calling a subtask, the return value is always of type dictionary, and the value(s) returned from the subtask can be access through their specific variable names as a key within the dictionary.

For questions relating to Enterprise A2019: See the Enterprise A2019 FAQs.
## Appendix A: Record of Changes

<table>
<thead>
<tr>
<th>No.</th>
<th>Version Number</th>
<th>Date of Change (DD/MM/YYYY)</th>
<th>Author</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.0</td>
<td>02/03/2019</td>
<td>Ankan Mondal</td>
<td>Version 1 Release</td>
</tr>
</tbody>
</table>
## Appendix B: Acronyms

<table>
<thead>
<tr>
<th>No.</th>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AA</td>
<td>Automation Anywhere</td>
</tr>
<tr>
<td>2</td>
<td>CSV</td>
<td>Comma Separated File</td>
</tr>
<tr>
<td>3</td>
<td>API</td>
<td>Application Programming Interface</td>
</tr>
<tr>
<td>4</td>
<td>RAM</td>
<td>Random Access Memory</td>
</tr>
</tbody>
</table>
# Appendix C: References

<table>
<thead>
<tr>
<th>No.</th>
<th>Topic</th>
<th>Reference Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Overview of Enterprise A2019</td>
<td>Click <a href="#">here</a></td>
</tr>
<tr>
<td>2</td>
<td>Guidance: Building basic A2019 bots</td>
<td>Click <a href="#">here</a></td>
</tr>
<tr>
<td>3</td>
<td>Guidance: Building A2019 action packages</td>
<td>Click <a href="#">here</a></td>
</tr>
<tr>
<td>4</td>
<td>APeople Community Forum</td>
<td>Click <a href="#">here</a></td>
</tr>
<tr>
<td>5</td>
<td>Automation Anywhere University</td>
<td>Click <a href="#">here</a></td>
</tr>
</tbody>
</table>