



Slack Integration Package

Readme

Version 1.0

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1. Introduction

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

1.1 Overview

This package enables integration of A2019 RPA Bots with Slack API features and functionality. The package provides actions to authenticate with a Slack Bot token, and perform several actions leveraging the Slack API capabilities, such as posting messages or files, managing channels, users and/or message history.

A typical use of this package would involve creating a bot to automatically create a new channel, invite several users to that channel and posting important updates for team-wide communication.

1.2 Use cases

The key use cases include:

- Automate team communication across Slack channels
- Administer channels within Slack
- Automate posts and replies based on user message content

2. Requirements & Prerequisites

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













To get started with the Slack package, the user will need to create an App on the Slack API website. This enables the A2019 bot to take action on the user's behalf with respect to the Slack teams and channels where the actions will take place.






3. Getting Started

3.1 Quick Start

3.1.1 Setup

[Click here](#) to get started in creating a Slack App and give it access to your workspace. Only a single-workspace app is required – for more information, [click here](#). Once you create your app, go to OAuth & Permissions to “Install App to Workspace” and it will be assigned a Bot User OAuth Access Token. In the same section, add additional Bot Token Scopes so that the Bot Token has all the right permissions to work with the A2019 Package. The following scopes are needed:

OAuth Scope	Description	
channels:history	View messages and other content in public channels that JD A2019 has been added to	
channels:join	Join public channels in the workspace	
channels:manage	Manage public channels that JD A2019 has been added to and create new ones	
channels:read	View basic information about public channels in the workspace	
chat:write	Send messages as @jd_a2019	
files:write	Upload, edit, and delete files as JD A2019	
groups:history	View messages and other content in private channels that JD A2019 has been added to	
groups:read	View basic information about private channels that JD A2019 has been added to	
groups:write	Manage private channels that JD A2019 has been added to and create new ones	
im:history	View messages and other content in direct messages that JD A2019 has been added to	
im:read	View basic information about direct messages that JD A2019 has been added to	
im:write	Start direct messages with people	












mpim:history	View messages and other content in group direct messages that JD A2019 has been added to	
mpim:read	View basic information about group direct messages that JD A2019 has been added to	
mpim:write	Start group direct messages with people	
users:read	View people in the workspace	
users:read.email	View email addresses of people in the workspace	

3.1.2 Configuration and Use

This package contains the following actions:

Slack



-  Archive Channel
-  Create Channel
-  End Session
-  Get Channel ID
-  Get Messages
-  Get User ID
-  Invite User
-  Leave Channel
-  Post File
-  Post Message
-  Start Session

Action	Description	Parameters
Start Session	Starts Session and authenticates with Slack Workspace	Inputs: <ul style="list-style-type: none"> Token (Bot User Token obtained when installing App in Workspace)
Archive Channel	Archives the Channel	Inputs: <ul style="list-style-type: none"> Session Name Channel ID (e.g. C018TCFEBQ8 – must be the ID and not the channel name) Optional Output: <ul style="list-style-type: none"> Success/Fail message as a string
Create Channel	Creates a new channel	Inputs: <ul style="list-style-type: none"> Session Name Channel name (unique name for the channel – do not include '#', Slack channels can include lower case letters only) Optional Output: <ul style="list-style-type: none"> Success/Fail message as a string
Get Channel ID	Retrieves the Channel ID based on the input name	Inputs: <ul style="list-style-type: none"> Session Name Channel name (unique name for the channel – do not include '#', Slack channels can include lower case letters only) Output: <ul style="list-style-type: none"> Channel ID as a string
Get Messages	Retrieves the history of messages on a channel, including their timestamps	Inputs: <ul style="list-style-type: none"> Session Name Channel ID (e.g. C018TCFEBQ8 – must be the ID and not the channel name) Output: <ul style="list-style-type: none"> Table with Column 0 containing the messages, and Column containing the associated message timestamp
Get User ID	Retrieves User ID from input user name	Inputs: <ul style="list-style-type: none"> Session Name User name (as it appears in Slack) Output: <ul style="list-style-type: none"> User ID as a string

<p>Invite User</p>	<p>Invites a user or group of users to a channel</p>	<p>Inputs:</p> <ul style="list-style-type: none"> • Session Name • Channel ID • User ID (for multiple users, separate each User ID with a comma) <p>Optional Output:</p> <ul style="list-style-type: none"> • Success/Fail message as a string
<p>Leave Channel</p>	<p>Removes the Bot from the Channel</p>	<p>Inputs:</p> <ul style="list-style-type: none"> • Session Name • Channel ID <p>Optional Output:</p> <ul style="list-style-type: none"> • Success/Fail message as a string
<p>Post File</p>	<p>Posts a file to channel(s) in Slack</p>	<p>Inputs:</p> <ul style="list-style-type: none"> • Session Name • Channel ID (for multiple, separate each ID with a comma) • File path to upload • Title of File (optional) <p>Optional Output:</p> <ul style="list-style-type: none"> • Success/Fail message as a string
<p>Post Message</p>	<p>Posts a Message or Reply</p>	<p>Inputs:</p> <ul style="list-style-type: none"> • Session Name • Channel Name or ID • Text to include in message • Original message timestamp (if message is a reply) <p>Optional Output:</p> <ul style="list-style-type: none"> • Success/Fail message as a string
<p>End Session</p>	<p>Ends Session</p>	<p>Inputs:</p> <ul style="list-style-type: none"> • Session Name

4. Support & 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 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](#).

4.2 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
<i>1</i>	<i>1.0.0</i>	<i>08/14/2020</i>	<i>J Dickson</i>	

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