



A2019 Date Manipulation Bot

Readme

Version 1.0
03/01/2020

Table of Contents

1. Introduction	3
1.1 Overview	3
1.2 Use Cases	3
2. Requirements & Prerequisites	4
2.1 System Requirements	4
2.2 Prerequisites	5
3. Getting Started	6
3.1 Quick Start	6
3.1.1 Setup	6
3.1.2 Configuration	6
4. Support & FAQs	8
4.1 Support	8
4.2 FAQs	8
Appendix A: Record of Changes	9
Appendix B: References	10

1. Introduction

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

1.1 Overview

Use the A2019 Date Manipulation Bot to increment a base starting date by a provided time period and offset.

For example – with a base start date of 2/28/2020 12:00:00 , the provided function of Days, and the offset amount of 3, the bot would return 3/2/2020 12:00:00 (2020 is a leap year, so 2/29 would have been day 1).

1.2 Use cases

The key use cases for this bot include:

- Easily incrementing a given date/time by a specific value
- Helpful for determining if particular events occurred within a specific window:
 - 90 day registration end period
 - 30 day opt out end period
 - Specific time period for customer followup after last contact
 - Setting next update time in a customer support ticket waiting on feedback
 - Establishing dates for future/recurring meetings (meet again in 2 weeks, meet again next quarter)

2. 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

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

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.

Browser	Browser Version	Automation Anywhere plug-in version ²	Supported bot functions by Bot agent version		
			2.0.2	1.0.2	1.0.1
Google Chrome ¹	57 or later	11 or 12	2.0.2	1.0.2	1.0.1
Microsoft Internet Explorer	11	N/A	None	Debugger only	All except Credential Vault

(1) Google Chrome re-verification

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](#). Similarly, if you are deploying your Bot Runners from a master image, accept the permission from within that image.

(2) Google Chrome plug-in versions

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

No specific prerequisites beyond the installation of A2019. The bot uses the included command package versions and a DLL for the calculations of incrementing the date/time.

3. Getting Started

3.1 Quick Start

3.1.1 Setup

The bot download includes an IncrementDateTime which is used to demonstrate how the bot commands can be used, a well as how it could be used as a subtask which could be invoked in your own automation.

3.1.2 Configuration

Review and setup the variables in the “Set Default Values” step from the IncrementDateTime bot. Note that the bot can be run on its own right out of the box without any additional bots. Should you want to use this as a subtask, you would just need to delete the Set Default Values step and handle mapping the following 3 input values to the bot:

INPUT VARIABLES: Input Variables to be mentioned in this Table				
Variable Name	Type	Mandatory	Purpose	Example Input
sBaseDate	String	Yes	Base date which will be updated based on the function type and offset amount, can be MM/DD/YYYY format, MM/DD/YYYY HH:MM format, or MM/DD/YYYY HH:MM:SS format	02/01/2020 12:00:00
sFunction	String	Yes	Specific function to call when incrementing date/time. Valid values: Years, Months, Days, Hours, Minutes, Seconds, or Milliseconds	Minutes
sOffsetAmount	String	Yes	How much to increment time by	45

OUTPUT VARIABLES: Output Variables to be mentioned in this Table.				
Variable Name	Type	Mandatory	Purpose	Example Output
sOutputDate	String	-	Output Date returned after incrementing based on the sFunction and offset amount.	02/01/2020 12:45:00

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

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 accessed through their specific variable names as a key within the dictionary. Once that value has been returned, the resulting string could be converted to a Date/Time using the DateTime Assign command to convert from a String to a Date/Time format.

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	1.0.0.0	3/1/2020	Micah Smith	Initial release of Bot

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