Logging Extended - JIT

Readme

Version 1.0

19/11/2024

Table of Contents

1.   Introduction

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

1.1   Overview

The Enhanced Logging Package for Automation Anywhere brings advanced logging capabilities, going beyond the standard log package to empower developers with more control and flexibility. Logging is a critical aspect of bot development, especially in debugging and monitoring complex workflows. This package adds flexibility, structure, and enhanced filtering, helping developers create logs that are easier to read, analyze, and act upon. It's the ideal solution for teams aiming to maintain high standards of reliability and efficiency in their bot operations.

1.2   Use cases

The key use cases include:

- Development and Debugging: Quickly identify issues by categorizing logs with custom levels and structured formats.
- Production Monitoring: Reduce clutter with global log filtering, ensuring only critical logs are captured in production environments.
- Audit and Reporting: Use structured logs to create detailed reports or audits, integrating seamlessly with data analysis tools.

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

No prerequisites required – download / install the package in your Control Room and directly start using it.

3.   Getting Started

3.1   Quick Start

3.1.1   Setup

No external setup required – download / install the package in your Control Room and directly start using it.

3.1.2   Configuration and Use

The package contains the following action:

∨ Logging Extended

    Log to File Extended

It requires several input parameters:

Input	Type	Description
File Path	Textbox	Local file path to which the log will be written
Enter text to log	Textbox	The log text that will be written
Append timestamp	Checkbox	Enabling it will add the timestamp to the log entry
Formats	Pre-defined list of values	Choose one of the pre-defined date formats for logging the timestamp
Custom Format	Textbox	If non of the pre-defined formats apply to your requirement, use your own custom format for date formatting
Delimiter	Textbox	Define the delimiter which is used for column separation
System Log Level	Textbox	The reference variable which defines the log level for this bot. (see Details below)
Selected Log Level	Pre-defined list of values	The log level of this specific log entry (see Details below)

Throw Exception with log text	Checkbox	Enabling this option will automatically throw an Exception with the given log text
When logging	Pre-defined list of values	Choose to either append the log entry to the existing file or overwrite the entire file
Encoding	Pre-defined list of values	Select the file encoding

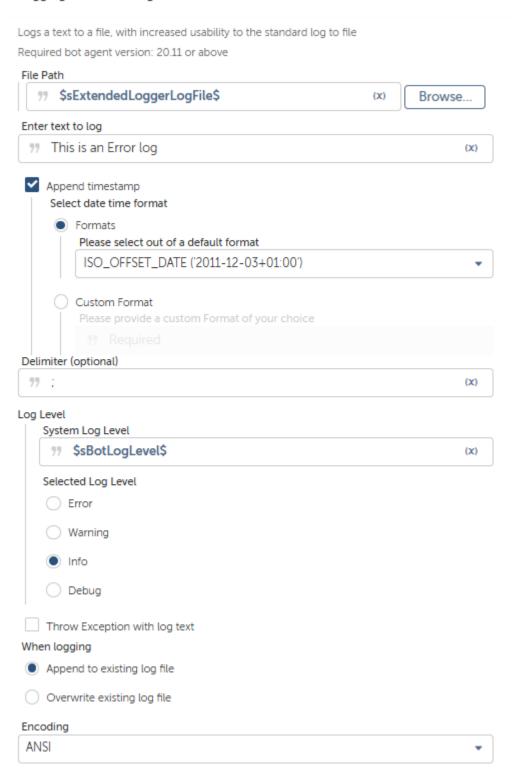## System Log Level & Selected Log Level

System Log Level: either store this information in a global value variable or read it from an external configuration file, so that you can change the value on the fly without touching the bot implementation.

Selected Log Level: based on the combination of system log level and selected log level, the log entry will be written or not written. See the table below for details when a log entry will be written

		Selected Log Level			
		ERROR	WARNING	INFO	DEBUG
System Log Level	ERROR	YES	NO	NO	NO
	WARNING	YES	YES	NO	NO
	INFO	YES	YES	YES	NO
	DEBUG	YES	YES	YES	YES

Logging Extended: Log to File Extended

Logs a text to a file, with increased usability to the standard log to file

Required bot agent version: 20.11 or above

File Path

| 〟 $sExtendedLoggerLogFile$ | (x) | Browse... |

Enter text to log

| 〟 This is an Error log | (x) |

☑ Append timestamp
   Select date time format
   ● Formats
      Please select out of a default format

   | ISO_OFFSET_DATE ('2011-12-03+01:00') | ▾ |

   ○ Custom Format
      Please provide a custom Format of your choice

      | 〟 Required |

Delimiter (optional)

| 〟 ; | (x) |

Log Level
   System Log Level

   | 〟 $sBotLogLevel$ | (x) |

   Selected Log Level

   ○ Error

   ○ Warning

   ● Info

   ○ Debug

☐ Throw Exception with log text

When logging

● Append to existing log file

○ Overwrite existing log file

Encoding

| ANSI | ▾ |

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
1	*1.0.0*	*11/19.2024*	*P Lorenz*	

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