fusion

GLOBAL BUSINESS SOLUTIONS

CompareFiles-FusionGBS

Readme

Version 1.0

04/03/2020

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1.   Introduction

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

1.1   Overview

Compare file Metabot offers following functionality: -

- Simply put this bot is used for comparing configuration files of text format.

- Configuration files mostly have a Key and Value pair, separated by a separator. Most of the file comparing utilities can only compare line to line, which means even if the same configuration exists in tow files but a different line number, the files would be classed as different.

- The bot compares the Key/Value pair of one file with the Key/Value pair of second file. It is not at all important to have Key/Value pair at same line number.

- The bot creates an output file after comparing both the files and prints the following output.

  - Identical line: Key/Value pair which are identical (same) in both the files

  - Different Values: Key/Value where the Value for a key is different in both the files.

  - First file Only: Key/Value pair which only does **NOT exist** in second file.

  - Second file Only: Key/Value pair which only does **NOT exist** in first file.

  - Duplicate: It reports all the Key will are duplicate in the same file.

- The bot has a very special use case when the different type of software IT environments (such as Development/ UAT/ Production) needs to be compared. Very quickly you can compare files and report of all the difference in various configuration files.

- In addition to comparing the files with Key/Value format, it can also be used to compare files in plain text format. Since plain text format files won't have a separator, separating KEY and VALUE. The vSeparator variable in the bot must be assigned a dummy value, especially a character which does not exist in both the files.

1.2   Common Use cases

Unlike conventional text editor, bot can compare configuration files and text files. The order in which the lines appear in both the files is not important. This functionality makes is possible to compare configuration files of two different software environment to be compared.

Below is the example of comparing to configuration files

Input File – One


```
check.ssl=true
client.id=8244961103918492244
marimba.bandwidth.max=all
marimba.channelmanager.startmenu=true
marimba.cms.mode=default
marimba.dialup.enabled=false
marimba.emergency.admin.role=PrimaryAdmininistrator
marimba.eventviewer.console.Default-Tenant.homepage=dashboard
marimba.eventviewer.elasticserver.Default-Tenant.hostname=siww-bbcav07.eu.corp.fusion.com
marimba.eventviewer.elasticserver.Default-Tenant.port=9200
marimba.eventviewer.elasticserver.Default-Tenant.username=
marimba.launch.javaArgs=-Xms128m -Xmx1024m -XX:PermSize\=32m -XX:MaxPermSize\=160m
marimba.reboot.schedule.at=every  1 weeks on sun start at 10:00am
marimba.tuner.hm.dashboard=siww-bbcav06:162
marimba.tuner.hm.schedule=every 1 days update every 15 minutes
snmp.manager.port=162
environment=DEVELOPMENT
```

Input File – Two

```
marimba.eventviewer.elasticserver.Default-Tenant.username=
marimba.launch.javaArgs=-Xms128m -Xmx1000m -XX:PermSize\=32m -XX:MaxPermSize\=160m
marimba.reboot.schedule.at=every  1 weeks on sun start at 10:00am
marimba.tuner.hm.dashboard=siww-bbcav06:162
check.ssl=true
client.id=8244961103918492244
marimba.bandwidth.max=all
marimba.channelmanager.startmenu=true
marimba.cms.mode=default
marimba.dialup.enabled=false
marimba.emergency.admin.role=PrimaryAdmininistrator
marimba.eventviewer.console.Default-Tenant.homepage=dashboard
marimba.tuner.hm.schedule=every 1 days update every 15 minutes
snmp.manager.port=162
marimba.eventviewer.elasticserver.Default-Tenant.hostname=siww-bbcav07.eu.corp.fusion.com
marimba.eventviewer.elasticserver.Default-Tenant.port=9200
server.type=PRODUCTION
```

The Output

```
Output - Notepad                                                              —    □
File  Edit  Format  View  Help
1) ID: Identical lines
2) DF: Different Values
3) ST: Line only exists in first file
4) ND: Line only exists in second file
5) D1: Duplicate key found in first file
6) D2: Duplicate key found in second file
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
+++++++++++++++++++++++++++++++++++++COMPARISION RESULT+++++++++++++++++++++++++++++++++
+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
ID:check.ssl=true
ID:client.id=8244961103918492244
ID:marimba.bandwidth.max=all
ID:marimba.channelmanager.startmenu=true
ID:marimba.cms.mode=default
ID:marimba.dialup.enabled=false
ID:marimba.emergency.admin.role=PrimaryAdmininistrator
ID:marimba.eventviewer.console.Default-Tenant.homepage=dashboard
ID:marimba.eventviewer.elasticserver.Default-Tenant.hostname=siww-bbcav07.eu.corp.fusion.com
ID:marimba.eventviewer.elasticserver.Default-Tenant.port=9200
ID:marimba.eventviewer.elasticserver.Default-Tenant.username=
DF:marimba.launch.javaArgs=-Xms128m -Xmx1024m -XX:PermSize\=32m -XX:MaxPermSize\=160m
DF:marimba.launch.javaArgs=-Xms128m -Xmx1000m -XX:PermSize\=32m -XX:MaxPermSize\=160m
ID:marimba.reboot.schedule.at=every  1 weeks on sun start at 10:00am
ID:marimba.tuner.hm.dashboard=siww-bbcav06:162
ID:marimba.tuner.hm.schedule=every 1 days update every 15 minutes
ID:snmp.manager.port=162
ST:environment=DEVELOPMENT
ND:server.type=PRODUCTION
```

2. Requirements & Prerequisites

2.1 System Requirements

For the PC or server where the bot needs to run:

1. RAM: 8GB or higher
2. PROCESSOR: Intel Core i5 or higher.
3. Hard Disk: Up to 2GB of overall free space in the AA Client installation drive.

   Refer to Automation Anywhere recommended guidelines for setting up AAE infrastructure.

2.2 Prerequisites

The following prerequisites are mandatory

1. Automation Anywhere Enterprise Control room 11.3.3 (or above)
2. Automation Anywhere Enterprise Client 11.3.3 (or above)

2.3 Security Measures

N/A

2.4 Disclaimers

N/A

3. Getting Started

3.1 Skill Matrix

The functionality of the Bot has been divided into a set of skills.

Below is an overview of how the task bots and metabots map to these skills:

Skill	Task Files	MetaBot Files
Compare Files	CompareFiles.atmx	CompareFiles.mbot

3.2 Installation Hierarchy

This section describes the installation hierarchy and the folder structure generated by a bot post installation.

Directory	Files

• <$AAAplicationPath>
   o My Tasks
      ▪ Bot Store
         • CompareFiles-FusionGBS
            o My Tasks
	o CompareFiles.atmx

• <$AAAplicationPath>
   o My Tasks
      ▪ Bot Store
         • CompareFiles-FusionGBS
            • Error Folder
	o History-<DD>-<MM>-<YYYY>.Log

• <$AAAplicationPath>
   o My Tasks
      ▪ Bot Store
         • CompareFiles-FusionGBS
            • Output Folder
	o History-<DD>-<MM>-<YYYY>.Log

• <$AAAplicationPath>
   o My Tasks
      ▪ Bot Store
         • Salesforce-FusionGBS
            • My Metabots
	o CompareFiles.mbot

3.3   Quick Start

3.3.1   Setup

Download the bot from Bot Store.

1. Double click on the .msi file.
2. On Welcome to Installation wizard, click Next to continue.
3. Click I agree to the terms in the license agreement radio button to accept the agreement.
4. Get/Copy the License key from Bot Store Downloads into License Key, click Next to continue.
5. Click Install to begin the installation.
6. Click Finish to complete the installation.
7. To view the installation, go to 'My Tasks' folder on AAE Client to see bot files.

3.3.2   Configuration

This section describes various input parameters required to work with metabot logic. The sample task bots have been supplied in the package. These task bots are some example of how to use metabot.

o   For Metabot Logic – **CompareFiles (Logic)**

INPUT VARIABLES: Input Variables to be mentioned in this Table				
Variable Name	**Type**	**Mand atory**	**Purpose**	**Example Input**
vFirstFilePath	Text	Yes	File Path of First Input File	C:\Test\Input1.txt
vSecondFilePath	Text	Yes	File Path of Second Input File	C:\Test\Input2.txt
vSeparator	Text	Yes	The character which separates the KEY and VALUE	=
vOutputFilePath	Text	Yes	File Path of Output file, this file contains the result of comparison of both input files	C:\Test\Output.txt

OUTPUT VARIABLES: Output Variables to be mentioned in this Table.				
Variable Name	**Type**	**Mandatory**	**Purpose**	**Example Output**
vResponseCode	Number	Yes	It contains the return code of the logic; its value is set to -1 if error has occurred and 0 is the logic was successful. Use this value If condition	Exit Status, 0 (Success) -1 (Error)
vResponseDescription	Text	Yes	Description for return value, for -1 it has corresponding error description and for 0 it has the success message	Response Status Description.

4.   Reports

N/A

5.   Logs

Refer to section 3.2.

6. Troubleshooting & Support

6.1 Support

Please contact support@fusiongbs.com for support related issues.

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	Fusion-GBS	04/03/2020	Dilpreet Sohanpal	First Release