



Daisy

**No Code - Web Browser, REST & SOAP API and
Mobile application Automation Framework**

Daisy2.1-ReleaseNotes December_2022

Daisy2.1 Release includes

❖ New feature

- Authenticator app support for MFA
- API negative testing
- Re execute failure scenario

❖ Enhancement in existing feature

- User choice to print execution statement in report

❖ New feature

- Authenticator app support for MFA
 - Support **MFA** through authenticator app by TOTP method.
 - User will have to configure authentication app as browser extension
 - Daisy command **GetAuthenticationCode** will retrieve and store authentication code in provided variable name which can be used in further steps.
 - User will have to provide app key in encrypted format through config file to this command. App key must be same which user has used while configuring the authentication app

DaisyConfig.properties

```
154
155 # -----
156 # Authenticator key
157 # -----
158 authenticator_key=provideYourEncryptedKeyhere
```

Testcase Name	Steps	Field Name	Type	Data	Locator Type	Value
Get Authentication Code	Retrieve code and store in variable ActualCode	Authentication	GetAuthenticationCode	ActualCode		
	Enter ActualCode in textbox	password	Textbox	\${Var.ActualCode}	locatortype	locatorvaue

❖ New feature

- Authenticator app support for MFA

The screenshot illustrates the integration of an Authenticator app with ExtentReports 2.0 for MFA. The ExtentReports interface shows a test titled "Get Authentication Code - Validate" with a "Pass" status. The test results table shows the following details:

STATUS	TIMESTAMP	DETAILS
✓	14:38:56	User have entered URL successfully : https://www.amazon.com
✓	14:38:59	WaitToLoad applied for 3 seconds
✓	14:39:00	Successfully clicked on Login Button

An Excel spreadsheet titled "Get Authentication Code.xlsx" shows the test steps:

	B	C	D	E
9	Click on Login button	Login	ClickJS	
10	Get Authentication Code	AuthenticationCode	GetAuthenticationCode	ActualCode

The "GetAuthenticationCode" step is highlighted, and an arrow points to the test results table, indicating that the code is stored in the variable "ActualCode".

A browser window titled "Authenticator" shows the code 918906 for the email Daisy_Auto@persistent.com. An arrow points from the code to the "ActualCode" variable in the test results table.

❖ New feature

API Negative testing support

RunApi:

- **Old implementation:** Steps will marked as fail in execution report for error code >300.
- **New Enhancement:** Provide **NegativeTesting** in value column when user wanted to validate API response for negative testing.
 - When in value column **NegativeTesting** is mentioned, In case of error code > 300 , it will not mark as failure in report and user will be able to fetch error message
 - When value column will be empty, In case of error code > 300 , it will mark as failure in report.

Testcase Name	Steps	Field Name	Type	Data	Locator Type	Value
In case of error code > 300 , it will not mark as failure in report and user will be able to fetch error message		response	RunApi	\${DaisyDir}\API\Salesforce_Auth.txt		NegativeTesting
In case of error code > 300 , it will mark as failure in report		response	RunApi	\${DaisyDir}\API\Salesforce_Auth.txt		

❖ New feature

- API Negative testing support

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APIDemo Fail

STATUS	TIMESTAMP	DETAILS
✓	16:59:11	Running POST call for URL :https://login.salesforce.com/services/oauth2/token
✓	16:59:12	Response for Salesforce_Auth.txt: {"error":"unsupported_grant_type","error_description":"grant type not supported"}
✓	16:59:12	Successfully Ran API for : Salesforce_Auth.txt
✓	16:59:12	Got response Successfully: unsupported_grant_type for the variable: messageErr
✓	16:59:12	Successfully Validated , Actual Result: unsupported_grant_type , Expected Result : unsupported_grant_type
✓	16:59:12	Running POST call for URL :https://login.salesforce.com/services/oauth2/token
✗	16:59:12	Run API failed for : Salesforce_Auth.txt
✗	16:59:12	The API returned a error code of 400Response : {"error":"unsupported_grant_type","error_description":"grant type not supported"}
✓	16:59:12	Got response Successfully: unsupported_grant_type for the variable: messageErr
✓	16:59:12	Successfully Validated , Actual Result: unsupported_grant_type , Expected Result : unsupported_grant_type
✗	16:59:12	This execution report contains failed test steps

Field Name	Type	Data	Locator Type	Value
responsevar	RunApi	\${DaisyDir}\API\Salesforce_Auth.txt		NegativeTesting
messageErr	SetVarApi	\$.responsevar.error		
	Verify	nsupported_grant_type;SOFTASSERT		\${Var.messageErr}
responsevar	RunApi	\${DaisyDir}\API\Salesforce_Auth.txt		
messageErr	SetVarApi	\$.responsevar.error		
	Verify	nsupported_grant_type;SOFTASSERT		\${Var.messageErr}

❖ Enhancement in existing feature

Daisy execution report

- **Old implementation:** After execution of every step, it will print respective execution statement in report
- **New Enhancement:**
 - User choice to print execution statement in report
 - User will have to provide **DNR** in filed name for the steps which user don't want to get printed in execution report

Note :

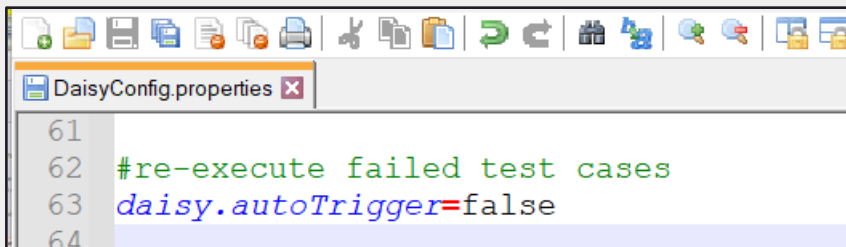
- In case of execution failure/error/exception, it will always get reported in execution report
- In case of empty filed name, step execution details will get printed in execution report.

Test Case Name	Steps	Field Name	Type	Data	Locator Type	Value
It will print information about this step-in report		Username	Textbox	TestData	LocatorType	Locator value
It will not print information about this step-in report		DNR	Textbox	TestData	LocatorType	Locator value
It will not print information about this step-in report		DNR	ClickJS		LocatorType	Locator value

❖ Enhancement in existing feature

- Re execute failure scenario/script

- After completing execution of all scenarios/scripts, Daisy will re trigger the execution of scenarios/scripts which are failed. Execution report of failed scenarios/scripts will be generated again.
- To re executed failed scenarios/scripts immediately after finishing the execution of all scenarios/script, user will have to set **daisy.autoTrigger** flag of respective DaisyConfig.properties file as **true**.
- If all scenarios/scripts are passed it will not re execute any scenario/script, on console it will print message **“There are no failed scripts”**
- By default, value of **daisy.autoTrigger** flag of respective DaisyConfig.properties file is set as **false**.



```
61
62 #re-execute failed test cases
63 daisy.autoTrigger=false
64
```

- ❖ **Note:** Re triggering failed scenario/script feature is applicable only for sequential execution. This feature is not supported for parallel execution.

❖ Enhancement in existing feature

- Re execute failure scenario/script

- If all scenarios/scripts are passed it will not re execute any scenario/script, on console it will print message **“There are no failed scripts”**

```
C:\WINDOWS\system32\cmd.exe
main] 2022-12-16 15:08:49 INFO - Click Retry Count: 0
main] 2022-12-16 15:08:49 INFO - Inside the TRY of else block By.xpath: //span[text()='Account & Lists']
main] 2022-12-16 15:08:51 INFO - Inside clickUsingJavaScript step:last
main] 2022-12-16 15:08:51 INFO - Successfully clicked on Login Button
main] 2022-12-16 15:08:51 INFO - #[ Filename: Get Authentication Code ( sheet :Validate ) on line no: 5 ]
main] 2022-12-16 15:08:52 INFO - Successfully entered text
main] 2022-12-16 15:08:52 INFO - Entered Password Successfully
main] 2022-12-16 15:08:52 INFO - #[ Filename: Get Authentication Code ( sheet :Validate ) on line no: 6 ]
main] 2022-12-16 15:08:55 INFO - WaitToLoad applied for 3 seconds
main] 2022-12-16 15:08:55 INFO - #[ Filename: Get Authentication Code ( sheet :Validate ) on line no: 7 ]
main] 2022-12-16 15:08:56 INFO - This is file path of pass/fail scripts C:\Users\pushpanjali_p\git\text_daisy2-latest-dev-branch for sep 2022\DaisyMvn\DaisyBin\target\
surefire-reports\failedScriptsFile.txt
main] 2022-12-16 15:08:56 INFO - Skipping Configuration - Print In Report
main] 2022-12-16 15:08:56 INFO - 
===== Reruning failed test cases =====
main] 2022-12-16 15:08:56 INFO - There are no failed scripts
main] 2022-12-16 15:08:56 INFO - This is file path of pass/fail scripts C:\Users\pushpanjali_p\git\text_daisy2-latest-dev-branch for sep 2022\DaisyMvn\DaisyBin\target\
surefire-reports\failedScriptsFile.txt
main] 2022-12-16 15:08:56 INFO - Closing Browser
main] 2022-12-16 15:08:56 INFO - Running Driver Cleanup
main] 2022-12-16 15:08:56 INFO - End of execution
main] 2022-12-16 15:08:56 INFO - This is file path of testng-results-summary.xml C:\Users\pushpanjali_p\git\text_daisy2-latest-dev-branch for sep 2022\DaisyMvn\DaisyB
n\target\surefire-reports\testng-results.xml
Script for IsSelected>Pass, Get Authentication Code>Pass, Get Authentication Code>Pass]
main] 2022-12-16 15:08:57 INFO - This is the end of test case execution
WARNING! Tests run: 8, Failures: 0, Errors: 0, Skipped: 5, Time elapsed: 20.858 s in TestSuite
```

❖ Enhancement in existing feature

- Re execute failure scenario/script
 - To re executed failed scenarios/scripts immediately after finishing the execution of all scenarios/script, user will have to set **daisy.autoTrigger** flag of respective DaisyConfig.properties file as **true**.
 - Example:
 - In Master.xls file execution flag for two scripts was marked as Yes, so Daisy has executed these two scripts.
 - Script **Script for IsSelected** got failed hence only this script was re executed and as per the latest execution report is generated.

❖ Enhancement in existing feature

- Re execute failure scenario/script

The screenshot displays a software interface with three main components:

- Configuration Table:** A table with columns 'Configuration File Name' and 'Execute'. It lists several scripts, with 'Script for IsSelected' and 'Get Authentication Code' marked as 'Yes'.
- Command Prompt:** A window showing a log of test execution. It includes messages like 'Entered Password Successfully', 'WaitToLoad applied for 3 seconds', and 'Executing File Script for IsSelected and Sheet : Sheet1'. A blue box highlights the line 'Script for IsSelected and Sheet : Sheet1'.
- Report Window:** A window titled 'Report' showing a list of generated HTML reports. The list includes 'Default Script for IsSelected - 2022_12_19_17_36_58_152.html', 'Default Get Authentication Code - 2022_12_19_17_36_40_960.html', and 'Default Script for IsSelected - 2022_12_19_17_36_18_035.html'. The first and third entries are highlighted with blue boxes.

Below the configuration table, a 'DaisyConfig.properties' file is shown with the following content:

```
61  
62 #re-execute failed test cases  
63 daisy.autoTrigger=true  
64
```



Persistent

Thanks!

