

# Overview of Customize Actions



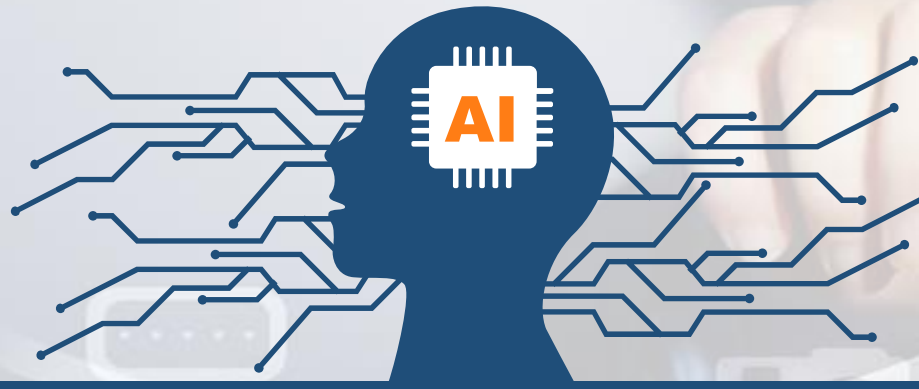
PRODUCT QUALITY



OPERATIONAL EFFICIENCY



TEST INFRASTRUCTURE UTILIZATION



## Universal Technology Solutions



# Customize Actions Navigation

- Click on **Functional** type.



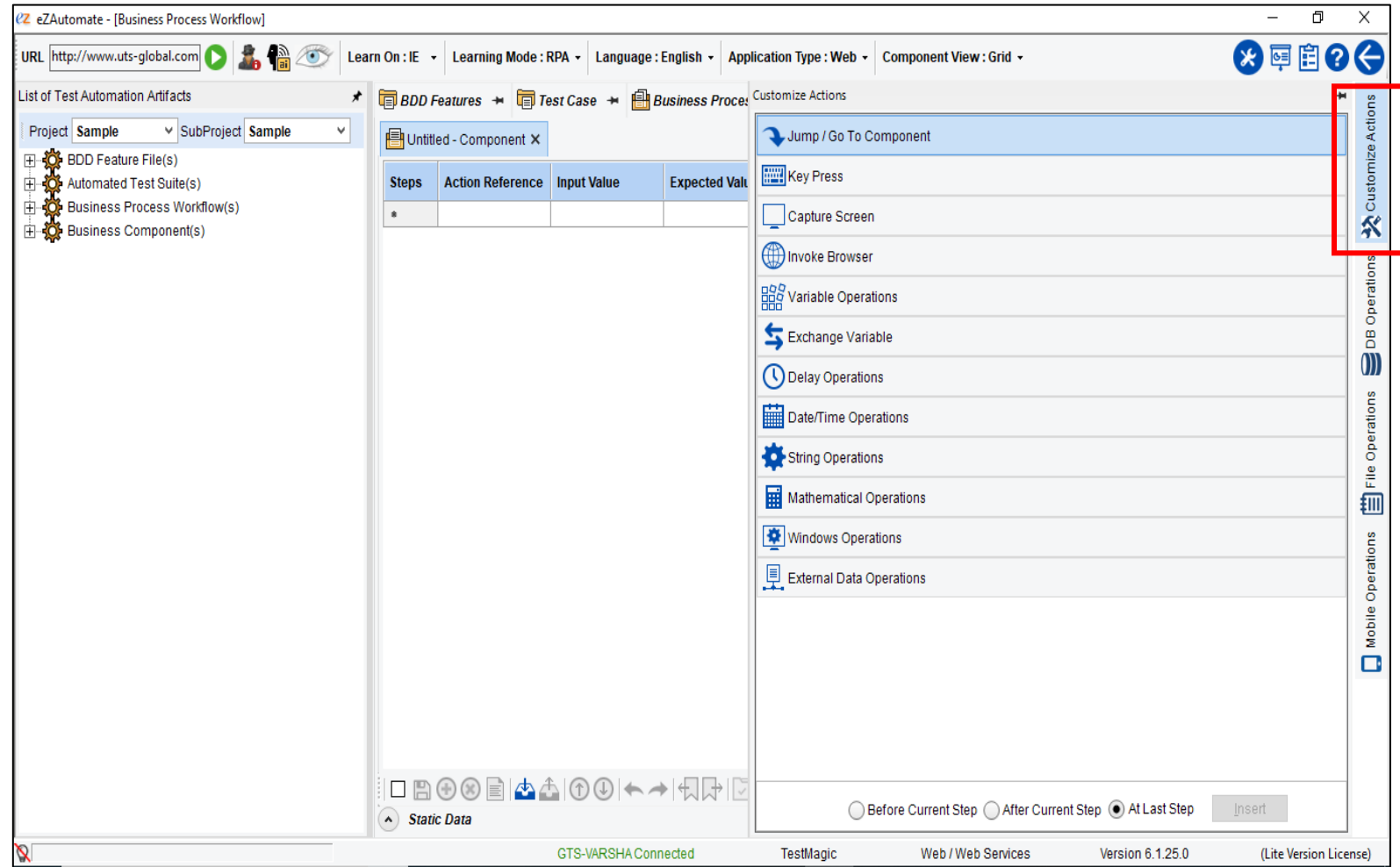
# Customize Actions Navigation (contd.)

- Click on **Web** module.



# Customize Actions Navigation (contd.)

- Click on **Customize Actions** tab from right pane of eZAutomate.



# Jump/Go To Component

- **Jump/ Go to Component** is used to skip or move to particular step in Business Component.
- Jump is used to skip one or more steps of a business component during its execution, or re-execute from a preceding step in the keyword script table.
- **Go To Component** allows to jump to any step in any business component, in any BPW within the same subproject.
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

The screenshot shows the 'Customize Actions' dialog box for the 'Jump / Go To Component' action. The dialog has a title bar 'Customize Actions' and a close button. Below the title bar is a section for 'Jump / Go To Component' with a help icon (question mark) on the right. Inside this section, there are two radio buttons: 'Jump' (selected) and 'GoToComponent'. Below these is a checked checkbox 'Jump with Non-editable Text'. There are four input fields: 'Non-editable Text' (empty), 'Dynamic Variable' (empty), 'Expected Value' (set to 'True'), and 'Jump to Step (From Current Step)' (empty). Below these fields is a list of other actions: 'KeyPress', 'Capture Screen', 'Invoke Browser', 'Variable Operations', 'Exchange Variable', 'Delay Operations', 'Date/Time Operations', and 'String Operations'. At the bottom of the dialog, there are three radio buttons: 'Before Current Step', 'After Current Step', and 'At Last Step' (selected). There is also an 'Insert' button.



# Key Press

- Key Press is used to define a combination of three keyboard buttons that will be clicked at the time of execution.

The following keys are available for Key Press:

A to Z  
a to z  
0 to 9  
F1 to F12  
Alt  
Ctrl  
Del  
End  
Enter  
ESC  
Home  
Shift  
Tab

- You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.

The screenshot shows the 'Customize Actions' dialog box with the 'KeyPress' action selected. The 'Select Key Options (Max 3)' section contains a list of checkboxes for keys 0 through 5. Below this are input fields for 'InputKey' and 'PressCount'. A help button (question mark icon) is located to the right of the 'Select Key Options' section. The bottom of the dialog features radio buttons for 'Before Current Step', 'After Current Step', and 'At Last Step', along with an 'Insert' button. The footer of the dialog displays 'Web / Web Services', 'Version 6.2.11.99', and '(Lite Version License Valid for next 9 days)'. On the right side of the dialog, there is a vertical toolbar with icons for 'DB Operations', 'File Operations', and 'Mobile Operations'.

# Capture Screen

- Using capture screen, user can capture screenshot of an AUT during the execution of its business component.
- Capture screen is used in the following three ways:
  - **Window Screen:** -This captures the screenshot of current active window, or mainframe window, or Oracle form
  - **Browser Screen:** -This captures the screenshot of web-based AUT, which is executed in Browser
  - **Save HTML Page:** -This saves HTML page in local machine
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

Customize Actions

KeyPress

Capture Screen

☒ Window Screen ☐ Browser Screen ☐ Save HTML Page

Message

Folder Path

File Name

Window Type

Invoke Browser

Variable Operations

Exchange Variable

Delay Operations

Date/Time Operations

String Operations

Mathematical Operations

Windows Operations

External Data Operations

☐ Before Current Step ☐ After Current Step ☒ At Last Step

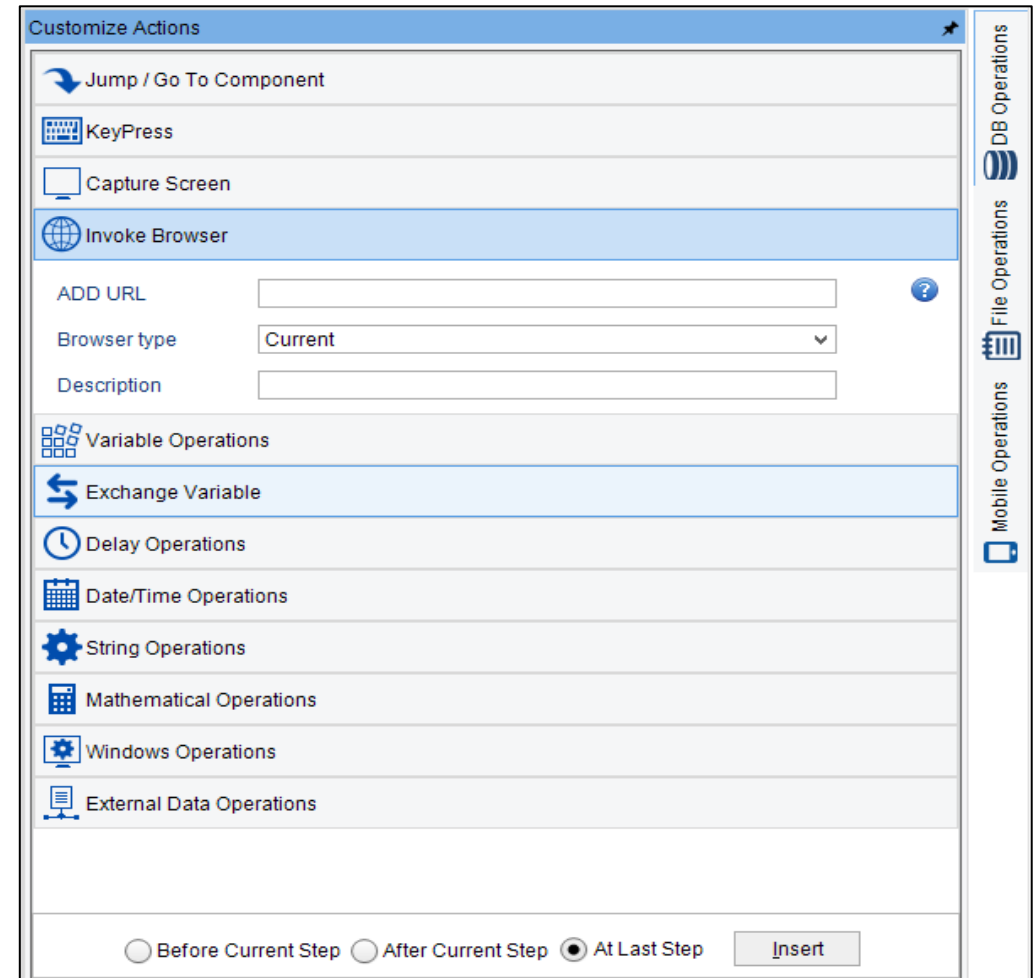
DB Operations

File Operations

Mobile Operations

# Invoke Browser

- Invoke Browser allows user to open another web-based application in the current browser or in a new browser by specifying the URL address.
- Note: This feature is not applicable to Windows, SAP Window-based, and mobile/APK applications.  
Enter URL of the application in **Add URL** textbox.
- Enter description for an action in **Description** textbox.  
(For Ex. Invoke browser with url <https://www.linkedin.com/>)
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*



The screenshot shows the 'Customize Actions' dialog box. The 'Invoke Browser' action is selected and highlighted. It has a configuration section with the following fields:

- ADD URL**: A text input field.
- Browser type**: A dropdown menu currently set to 'Current'.
- Description**: A text input field.

Below the configuration section, there are several categories of actions listed with icons:

- Variable Operations
- Exchange Variable (selected)
- Delay Operations
- Date/Time Operations
- String Operations
- Mathematical Operations
- Windows Operations
- External Data Operations

At the bottom, there are three radio buttons for timing: 'Before Current Step', 'After Current Step', and 'At Last Step' (which is selected). An 'Insert' button is located to the right of these radio buttons.

On the right side of the dialog, there is a vertical sidebar with icons for 'DB Operations', 'File Operations', and 'Mobile Operations'.

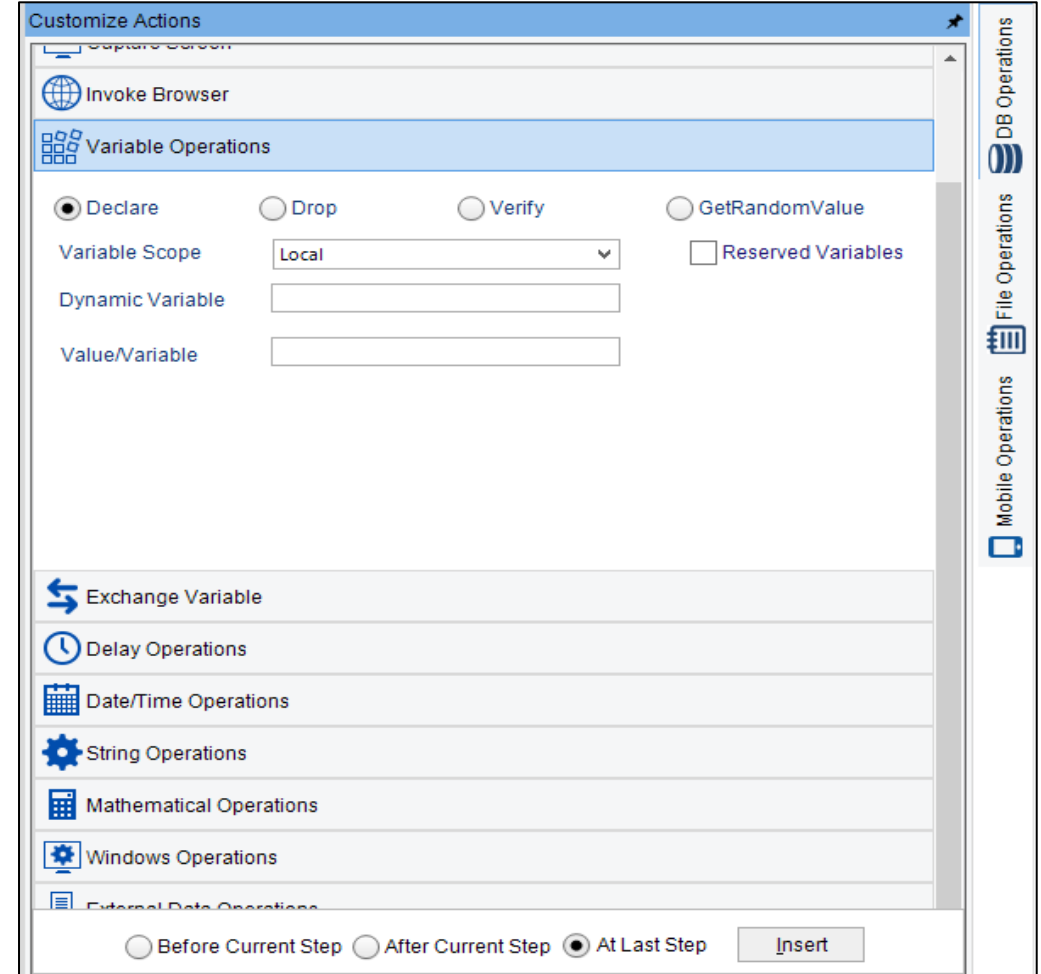


# Variable Operations

- Variable operations are used to define, verify, drop, and randomly generate a value for a dynamic variable.

In eZAutomate, this we can do operations: -

- **Declare**
  1. Local
  2. Global
  3. Environment
  4. List
- **Drop**
- **Verify**
- **GetRandomValue**
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*



The screenshot shows the 'Customize Actions' dialog box with the 'Variable Operations' section selected. The 'Declare' radio button is active. The 'Variable Scope' is set to 'Local'. The 'Dynamic Variable' and 'Value/Variable' fields are empty. The 'GetRandomValue' radio button is also visible. Below the 'Variable Operations' section, there are other action categories like 'Exchange Variable', 'Delay Operations', 'Date/Time Operations', 'String Operations', 'Mathematical Operations', 'Windows Operations', and 'External Data Operations'. At the bottom, there are radio buttons for 'Before Current Step', 'After Current Step', and 'At Last Step', with 'At Last Step' being selected. An 'Insert' button is also present.

# Exchange Variable

- This is used while exchanging static variable value with a dynamic variable.

However, it cannot exchange dynamic variable value with a static variable.

- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

The screenshot shows the 'Customize Actions' dialog box with a list of actions on the left and configuration fields on the right. The 'Exchange Variable' action is selected and highlighted in blue. The configuration fields for 'Exchange Variable' are as follows:

Field	Value
Select Action	copyStatic2Dynamic
Dynamic Variable	
Static Variable	

Below the configuration fields, there are radio buttons for 'Before Current Step', 'After Current Step', and 'At Last Step'. The 'At Last Step' option is selected. An 'Insert' button is located at the bottom right of the dialog box.

# Delay Operations

- Delay Operations are used to intentionally delay the execution at a specific step. eZAutomate have Three type of delay Operations **Pause**, **Wait** and **Echo**.
- **Pause:** It is used to pause an execution of a Business Component at a predetermined step. Can also define an alert message to notify the use of pause. The pause feature is typically used for debugging a Business Component.
- **Wait:** It is used to pause an execution for particular time.
- **Echo:** It is the combination of Pause and wait operation. In this, execution can wait for particular time or can execute with manual interaction.
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

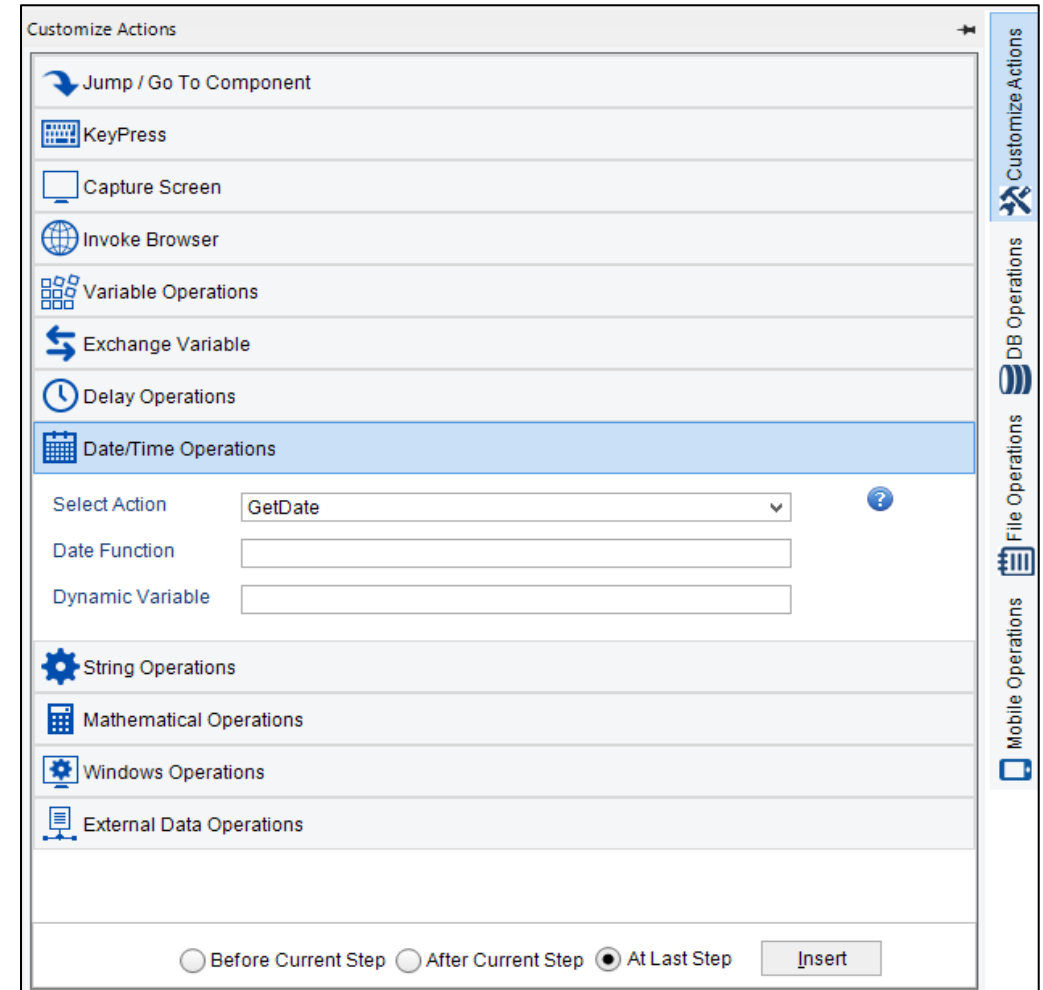
The screenshot shows the 'Customize Actions' dialog box. The 'Delay Operations' section is highlighted. It contains three radio buttons: 'Pause' (selected), 'Echo', and 'Wait'. A 'Message' text box is located below the radio buttons. A question mark icon is visible on the right side of the 'Delay Operations' section. The dialog box also lists other action categories: 'Jump / Go To Component', 'KeyPress', 'Capture Screen', 'Invoke Browser', 'Variable Operations', 'Exchange Variable', 'Date/Time Operations', 'String Operations', 'Mathematical Operations', 'Windows Operations', and 'External Data Operations'. At the bottom, there are radio buttons for 'Before Current Step', 'After Current Step', and 'At Last Step' (selected), along with an 'Insert' button.

# Date/Time Operations

- Date/ Time Operations are used to implement date and time operations in Business Component.

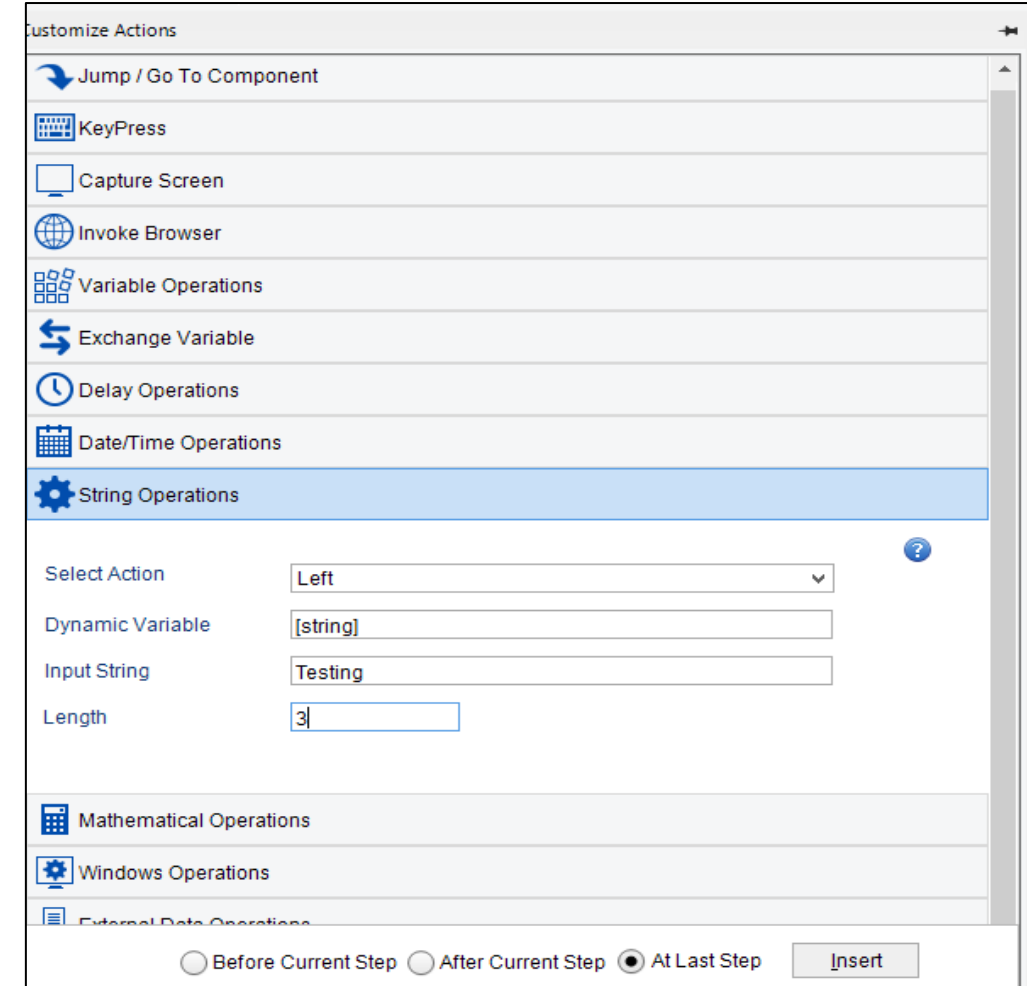
eZAutomate have six Date/ Time Operations:

- Get Date
  - Get Date/Time
  - Set Date
  - DateDiff
  - DateFormat
  - GetTime
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*



# String Operations

- **String operations** are used to manipulate data got from an AUT. Following are the types of string operations that can be performed in eZAutomate:
  - Left, Right, and Mid
  - Lowercase and upper case
  - Find
  - Replace
  - Split
  - Get Value from string
  - Length
  - Spell Number
  - Trim
  - Concat
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*



Customize Actions

- Jump / Go To Component
- KeyPress
- Capture Screen
- Invoke Browser
- Variable Operations
- Exchange Variable
- Delay Operations
- Date/Time Operations
- String Operations**
- Mathematical Operations
- Windows Operations
- External Data Operations

Select Action: Left

Dynamic Variable: [string]

Input String: Testing

Length: 3

Before Current Step After Current Step ☒ At Last Step

Insert

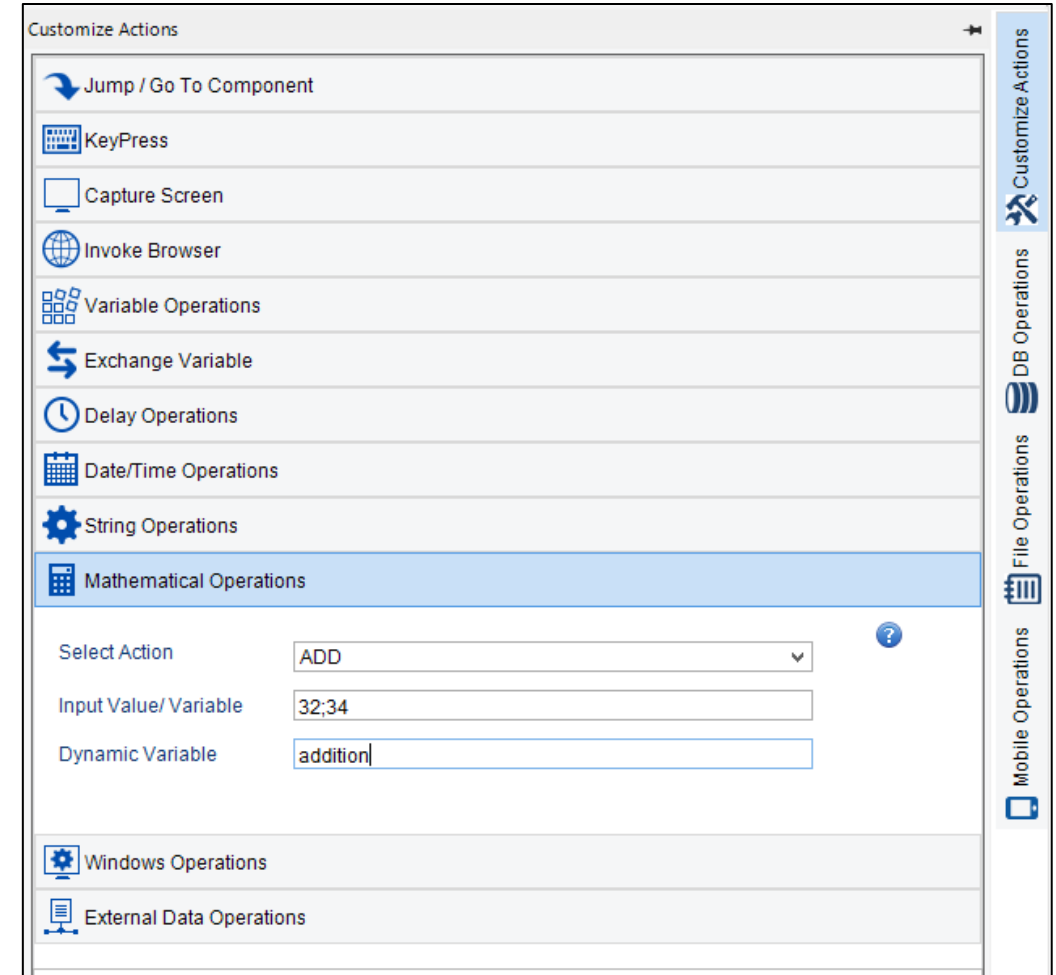
# Mathematical Operations

- Mathematical Operations are used for addition, subtraction, multiplication, division, percentage and round up numbers.

Mathematical Operations are :

- ADD
- SUB
- MUL
- DIV
- ROUND
- PERCENT

- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*





# Windows Operations

- Windows Operations are those tasks that aid in managing popups and alert messages displayed in an AUT.

Following are the Windows Operations that can be performed in eZAutomate:

- VerifyWinDialogText
- WinDialogClick
- GetWinDialogText
- SaveFile
- UploadFile
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

The screenshot shows the 'Customize Actions' dialog box in eZAutomate. The 'Windows Operations' section is selected and highlighted. It contains the following fields and options:

- Select Action:** A dropdown menu with 'VerifyWindialogText' selected.
- Windows Title:** A text input field.
- Windows Message:** A text input field.
- Conditional Verification:** A checkbox that is currently unchecked.
- TRUE Value:** A text input field.
- FALSE Value:** A text input field.
- Iteration:** A text input field.
- Wait:** A text input field with '(Sec)' next to it.
- Expected Value:** A dropdown menu with 'True' selected.
- External Date Operations:** A section at the bottom with three radio buttons: 'Before Current Step', 'After Current Step', and 'At Last Step' (which is selected). There is an 'Insert' button next to them.

On the right side of the dialog, there is a vertical toolbar with icons for 'Customize Actions', 'DB Operations', 'File Operations', and 'Mobile Operations'. A question mark icon is located next to the 'VerifyWindialogText' dropdown.

# External Data Operations

- This feature is used to access external data as input values in a Business Component by saving the data in static or dynamic variables.

External data is used in two ways:

1. From a MS Excel file
2. From the database

Following are the External Data Operations that are performed:

- Get Data
  - Get Excel Row Count
  - Get Excel Column Count
  - Get Excel value
  - Refresh Data Sheet
  - Write Excel Value
  - Get Excel Row Values
  - Download Excel File
  - Upload Excel File
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

The screenshot shows the 'Customize Actions' dialog box with the 'External Data Operations' section selected. The section contains the following fields and options:

- File Data** (selected), **Auto Data**, **Execute Test Case** (with a help icon)
- Excel file action**: Get Data (dropdown)
- Status Flag**: True (dropdown)
- File Path**: D:\fileoperation\DataOperations.xlsx (text field with a browse button)
- Sheet Name**: Sheet1 (text field)
- Data Read Type**: Row Wise (dropdown)
- Variable Row No**: 1 (text field)
- Value Row No**: 2 (text field)
- Execution Options**: **Before Current Step**, **After Current Step**, **At Last Step** (selected), **Insert** button

A vertical sidebar on the right lists other action categories: Invoke Browser, Variable Operations, Exchange Variable, Delay Operations, Date/Time Operations, String Operations, Mathematical Operations, Windows Operations, File Operations, DB Operations, and Mobile Operations.

# Insert Bar

- **Before Current Step**

This option inserts the customized action before the selected step.

- **After Current Step**

This option inserts the customized action at the selected step.

- **At Last Step**

This option inserts the customized action as the last step.

- **Insert button**

Click on Insert button to enter customize operation into script as per the option selected.

The screenshot shows the 'Customize Actions' dialog box. The 'External Data Operations' section is selected. It contains the following fields and options:

- File Data** (selected), **Auto Data**, **Execute Test Case**
- Excel file action**: Get Data
- Status Flag**: True
- File Path**: [Text Field]
- Sheet Name**: [Text Field]
- Data Read Type**: Row Wise
- Variable Row No**: [Text Field]
- Value Row No**: [Text Field]

At the bottom, there are three radio buttons: **Before Current Step**, **After Current Step**, and **At Last Step** (selected). An **Insert** button is located to the right of these radio buttons. A red box highlights the bottom section containing the radio buttons and the Insert button.

# Thank you for your time and patience



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