

File Operations



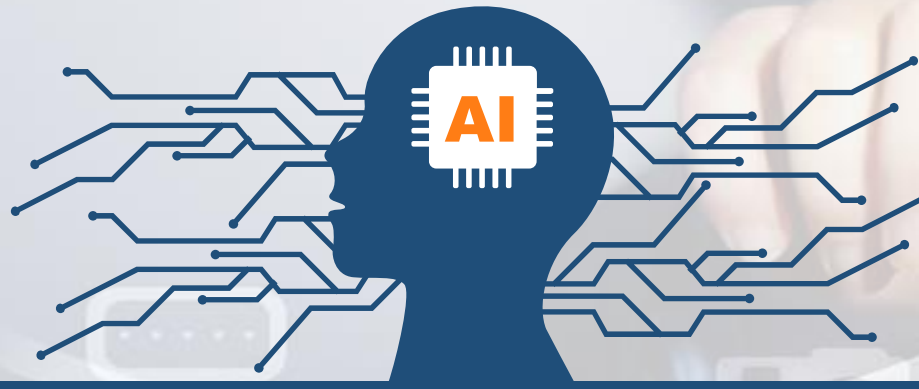
PRODUCT QUALITY



OPERATIONAL EFFICIENCY



TEST INFRASTRUCTURE UTILIZATION



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File Operations Navigation

- Click on **Functional** type.



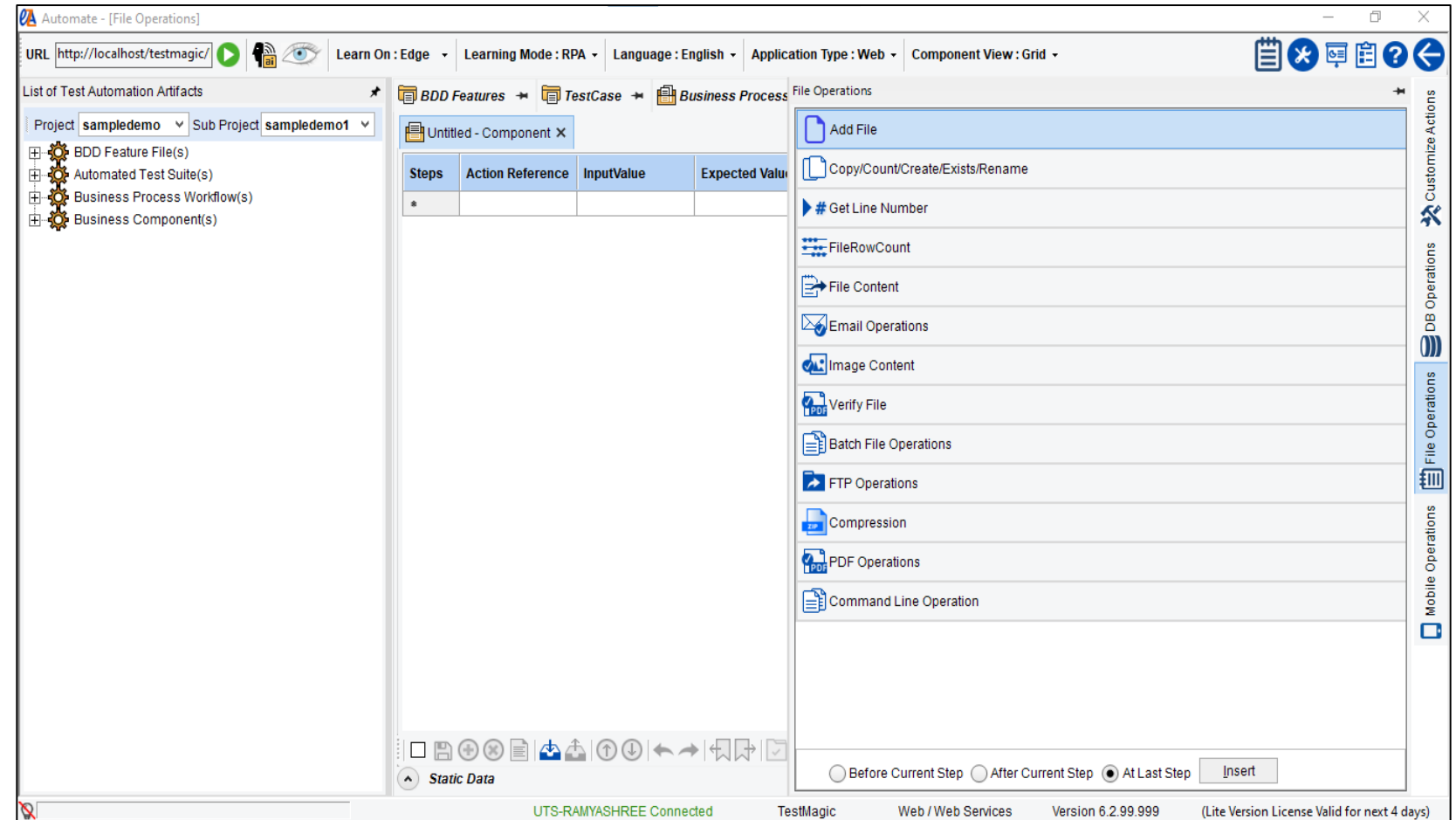
File Operations Navigation (contd.)

- Click on **Web** module.



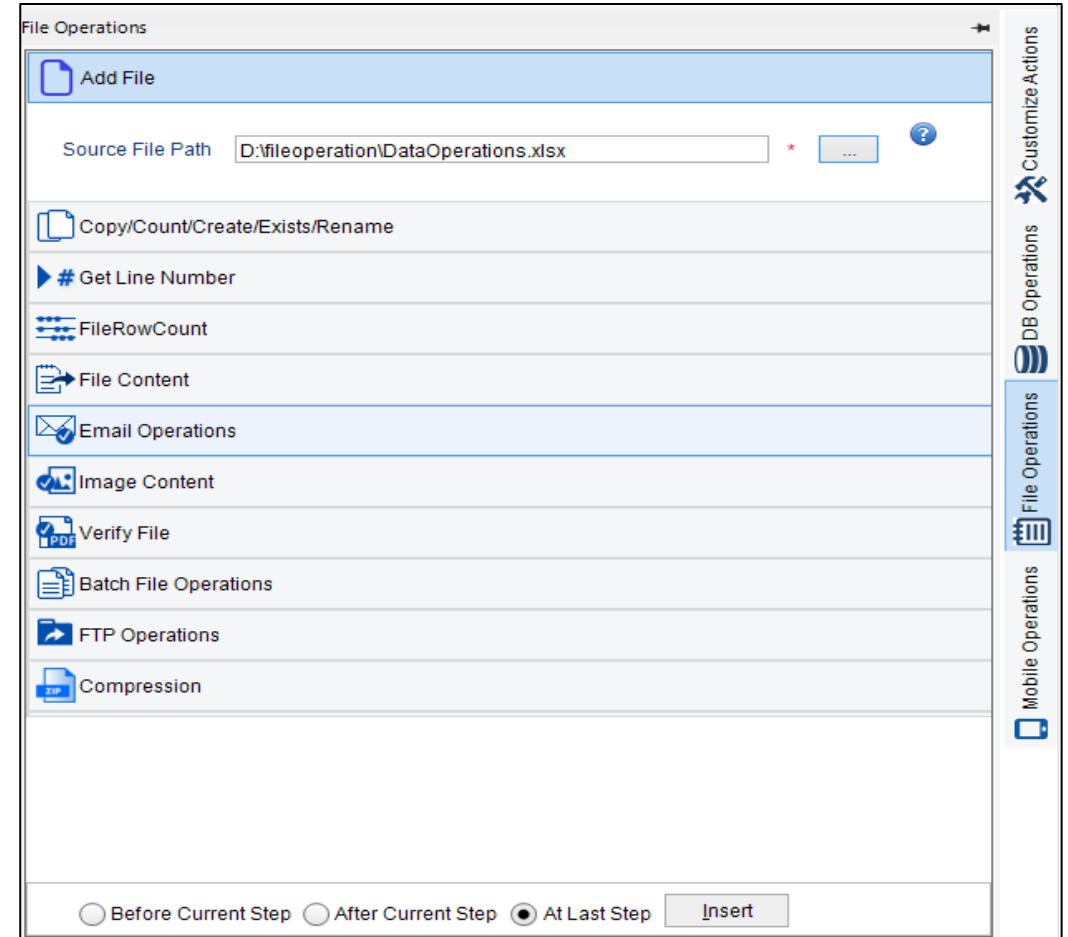
File Operations Navigation (contd.)

- Click on **File Operations** tab.



Add File

- **Add File** function is used to add a file during execution
- While executing a **Business Component** there could be a step to add a file. During execution, the file that is specify will be added.
- *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 displays the 'File Operations' dialog box. The 'Add File' section is highlighted at the top. Below it, the 'Source File Path' is set to 'D:\fileoperation\DataOperations.xlsx'. To the right of the text box is a red asterisk and a blue question mark icon. Below the 'Add File' section, a list of other actions is shown: 'Copy/Count/Create/Exists/Rename', '# Get Line Number', 'FileRowCount', 'File Content', 'Email Operations' (which is currently selected), 'Image Content', 'Verify File', 'Batch File Operations', 'FTP Operations', and 'Compression'. On the right side of the dialog, there is a vertical toolbar with icons for 'Customize Actions', 'DB Operations', 'File Operations' (which is active), and 'Mobile Operations'. At the bottom of the dialog, there are three radio buttons: '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.

Copy/Count/Create/Exists/Rename

- Using **Copy/Count/Create/Exists/Rename**, these will copy file, count number of files, create file/folder, verify whether file exists and renaming file/folder.
- The following are the Copy/Count/Create/Exists/Rename operations that can be performed in eZAutomate:
 - File Folder Exists
 - File Copy
 - File Count
 - Create File/Folder
 - Delete File/Folder
 - Get File Size
 - Get All File Name
 - Rename File/Folder
- You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.

File Operations

Copy/Count/Create/Exists/Rename

Operation	File Name	Folder Path	Expected Value
File/Folder Exists			
File Copy			
File Count			
Create File/Folder			
Delete File/Folder			
Get File Size			

Get Line Number

FileRowCount

File Content

Email Operations

Image Content

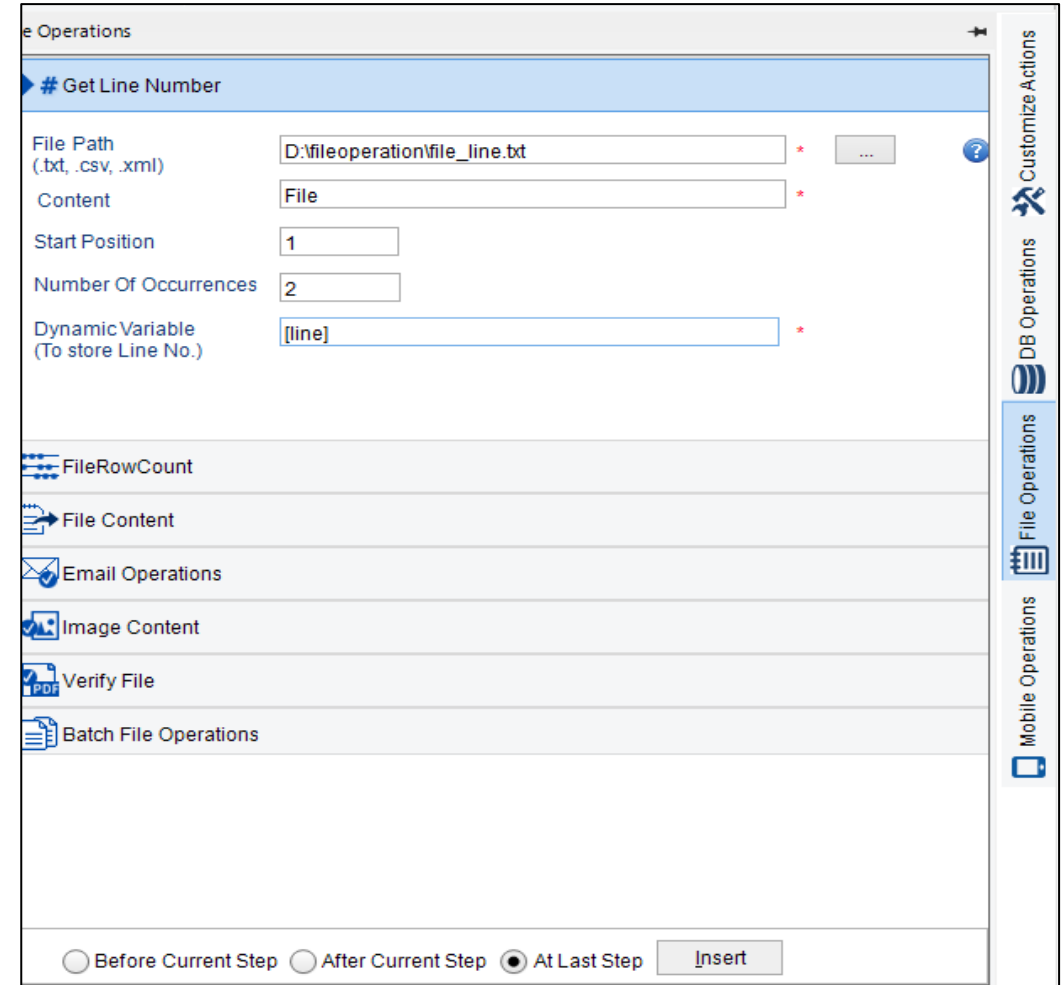
Verify File

Get File Size

Before Current Step After Current Step At Last Step Insert

Get Line Number

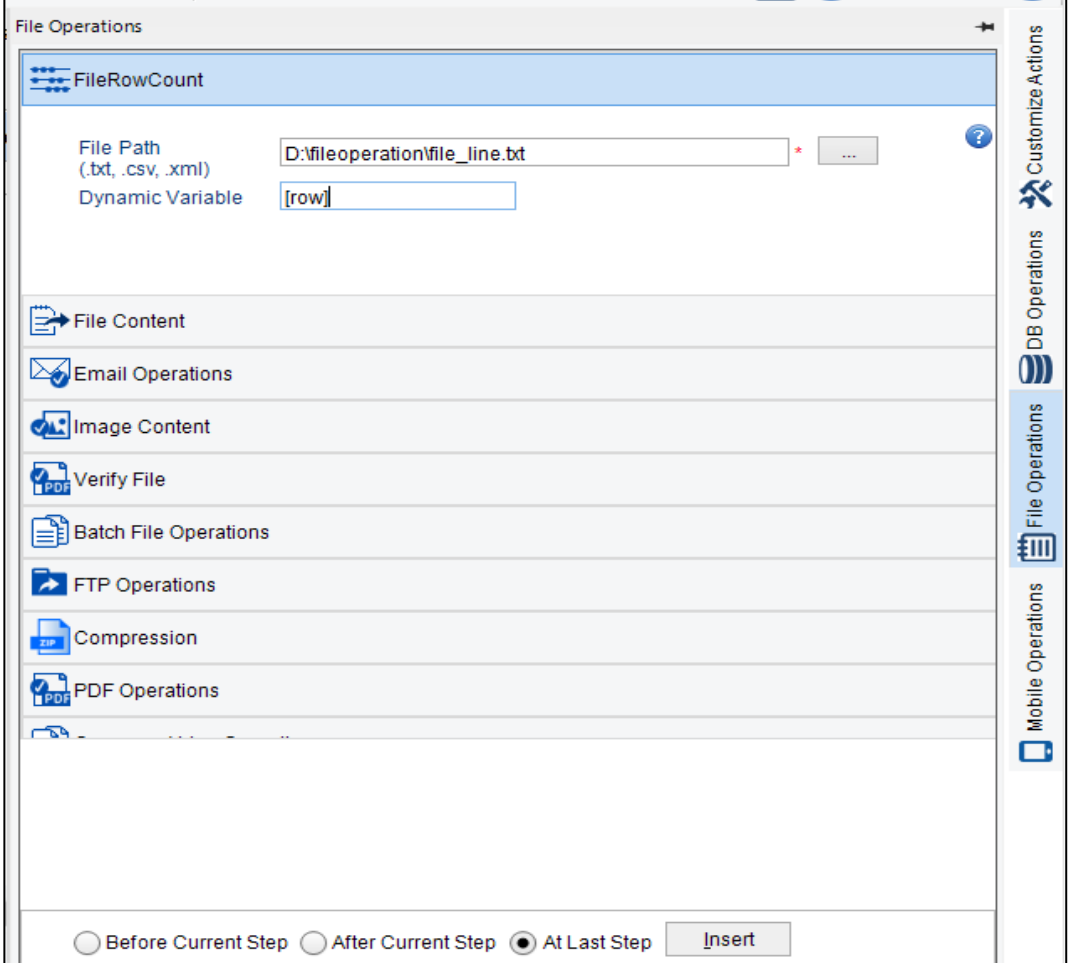
- Specify a keyword present in the line and its number of occurrences to get the line number.
- Line number can be fetched from of .txt, .csv, and .xml files.
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*



The screenshot shows a configuration window titled "File Operations" with a sub-header "# Get Line Number". The window contains several input fields: "File Path (.txt, .csv, .xml)" with the value "D:\fileoperation\file_line.txt", "Content" with the value "File", "Start Position" with the value "1", "Number Of Occurrences" with the value "2", and "Dynamic Variable (To store Line No.)" with the value "[line]". Each input field has a red asterisk indicating it is required. A question mark icon is located to the right of the "File Path" field. Below the input fields, there is a list of other actions: "FileRowCount", "File Content", "Email Operations", "Image Content", "Verify File", and "Batch File Operations". At the bottom, there are three radio buttons: "Before Current Step", "After Current Step", and "At Last Step" (which is selected), followed by an "Insert" button. On the right side of the window, there is a vertical sidebar with icons for "Customize Actions", "DB Operations", "File Operations" (which is highlighted), and "Mobile Operations".

File Row Count

- To count the number of lines in a text file, .csv file, and .xml 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 displays the 'File Operations' window. The 'FileRowCount' action is selected and highlighted in blue. Below the action name, there are two input fields: 'File Path (.txt, .csv, .xml)' with the value 'D:\fileoperation\file_line.txt' and a help icon (question mark) to its right, and 'Dynamic Variable' with the value '[row]'. A list of other actions is visible below, including 'File Content', 'Email Operations', 'Image Content', 'Verify File', 'Batch File Operations', 'FTP Operations', 'Compression', and 'PDF Operations'. On the right side, there is a vertical sidebar with icons for 'Customize Actions', 'DB Operations', 'File Operations' (which is highlighted), and 'Mobile Operations'. At the bottom of the window, there are three radio buttons for execution 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.

File Content

- Use this operation to read, write, replace the contents of a .txt, .csv, and .xml file by specifying the line, position, and length of the string.
- Following are the **File Content Operations** that can be performed in eZAutomate:
 - Read
 - Write
 - Replace
- *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 'File Content' configuration window. At the top, there are three radio buttons for 'Read' (selected), 'Write', and 'Replace'. Below these, the 'File Path (.txt, .csv, .xml)' is set to 'D:\fileoperation\Actions_modified.txt'. The 'Line Number' is '2' and the 'Start Position' is '1'. The 'Length' is '10'. The 'Dynamic Variable (To store read contents.)' is '[read]'. A help button (question mark icon) is located to the right of the 'Read' radio button. On the left side of the window, there is a list of other operations: 'Email Operations', 'Image Content', 'Verify File', 'Batch File Operations', 'FTP Operations', and 'Compression'. On the right side, there is a vertical toolbar with icons for 'Customize Actions', 'DB Operations', 'File Operations' (highlighted), and 'Mobile Operations'. At the bottom of the window, there are three radio buttons for 'Before Current Step', 'After Current Step', and 'At Last Step' (selected), along with an 'Insert' button.

Email Operations (Send)

- Email send is used to send an email by providing details like email type, email accessibility (local or global), logical name and email subject and body.
- You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.

File Operations

Email Operations

Send/Receive: Send

Email Type: Outlook

Email Accessibility: Local

Logical Name: UTS-RAMYASHREE

Send To: ramyashree.shanmukaswamy@uts-global.com

Email Subject: eZAutomate Testing

Email Body: Testing the Customize Actions

Attachment:

Image Content

Verify File

Batch File Operations

FTP Operations

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

Customize Actions

DB Operations

File Operations

Mobile Operations

Email Operations (Receive)

- Email receive can read and verify the Email by giving the details like folder name, number of mails to iterate, email subject or body.
- It can also verify the email attachments by giving the folder name, attachment file name, email id of sender and destination path.
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

File Operations

Email Operations

Send/Receive: Receive

Email Subject (selected), Email Body, Save Email Attachment (s)

Action Perform: Read

FolderName: Inbox

Iterate # Email: 5

Dynamic Variable: [email]

Subject: eZAutomate Testing

Image Content

Verify File

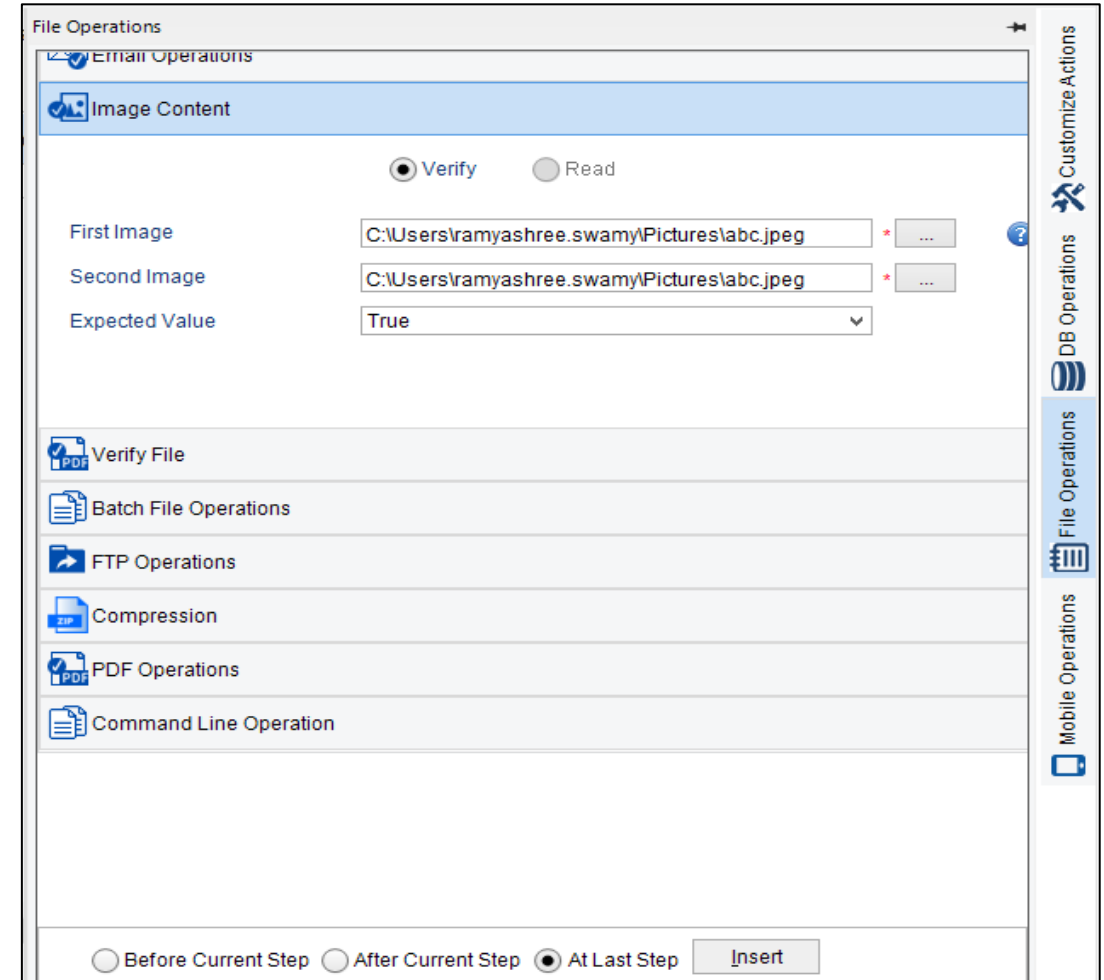
Batch File Operations

FTP Operations

Before Current Step, After Current Step, At Last Step (selected), Insert

Image Content

- This operation is used to verify two images of the same format are same or not.
- The following image formats are supported for verify image content:
 - .jpeg
 - .png
 - .jpg
 - .gif
- *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 a software interface titled 'File Operations'. The 'Image Content' section is selected and highlighted in blue. It contains two radio buttons: 'Verify' (selected) and 'Read'. Below these are three input fields: 'First Image' with the path 'C:\Users\ramyashree.swamy\Pictures\abc.jpeg', 'Second Image' with the path 'C:\Users\ramyashree.swamy\Pictures\abc.jpeg', and 'Expected Value' with a dropdown menu set to 'True'. Each input field has a red asterisk and a browse button ('...'). A question mark icon is visible to the right of the 'First Image' field. On the left side of the window, there is a list of other operations: 'Verify File', 'Batch File Operations', 'FTP Operations', 'Compression', 'PDF Operations', and 'Command Line Operation'. On the right side, there is a vertical toolbar with icons for 'Customize Actions', 'DB Operations', 'File Operations' (highlighted), and 'Mobile Operations'. At the bottom of the window, there are three radio buttons: 'Before Current Step', 'After Current Step', and 'At Last Step' (selected), followed by an 'Insert' button.

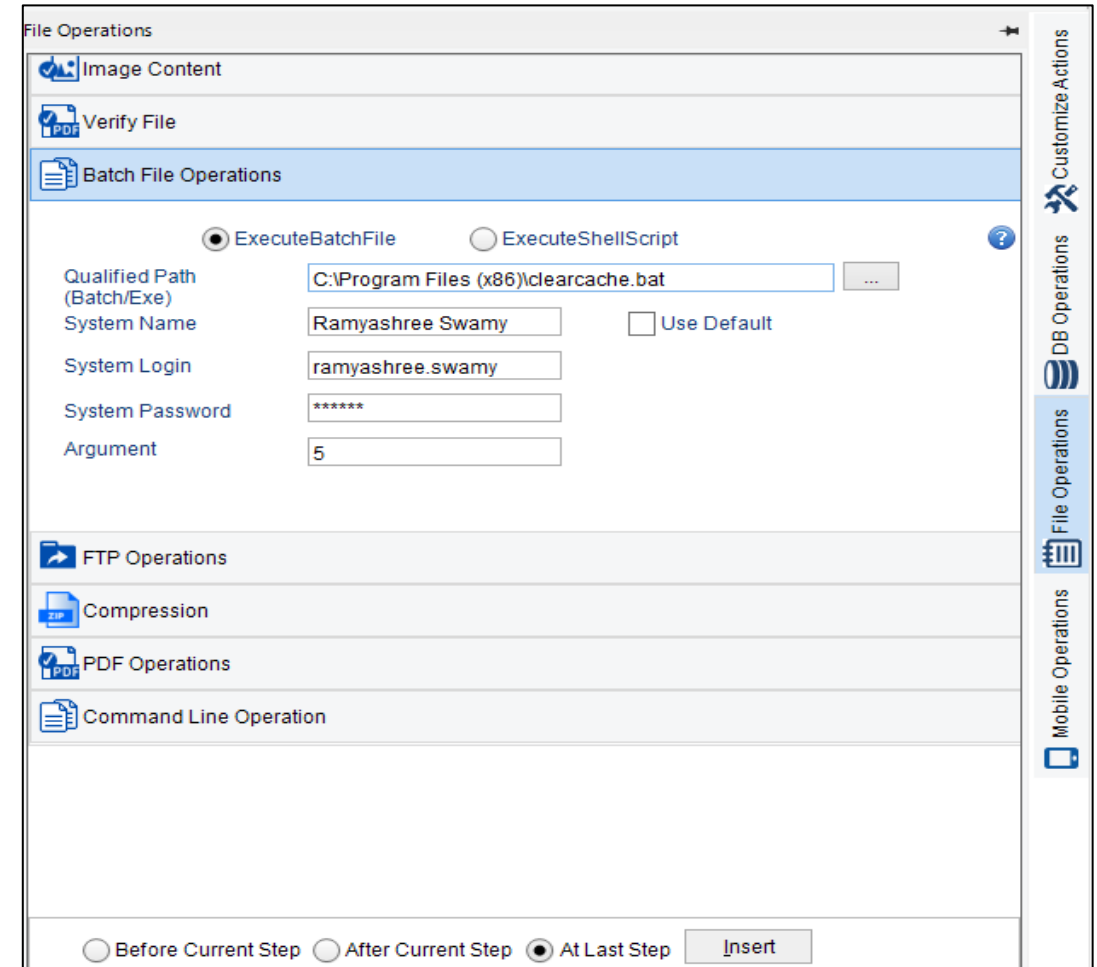
Verify File

- Verify File operation has different actions specific to type of file (PDF, txt/csv, XML).
- To check a specific keyword or phrase exists in a .txt/.csv or .pdf file or not.
- Compare contents of two .txt/.csv, .pdf or .xml files.
- Validate .xml file against .xsd.
- Save file generated .pdf during execution of AUT.
- *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 'Verify File' configuration window within a 'File Operations' pane. The window has a title bar 'File Operations' and a sub-header 'Verify File'. Below the header, there are three radio buttons for file types: 'PDF' (selected), 'Text', and 'XML'. Underneath, there are three radio buttons for actions: 'Content Search' (selected), 'File Compare', and 'Save Pdf File'. The 'File Path (.pdf)' field contains 'D:\fileoperation\PDFwithTable.pdf.pdf' with a red asterisk and a browse button. The 'Content' field contains 'City' with a red asterisk. The 'Expected Value' field is a dropdown menu set to 'True'. Below these fields is a list of other operations: 'Batch File Operations', 'FTP Operations', 'Compression', 'PDF Operations', and 'Command Line Operation'. At the bottom, there are three radio buttons for execution timing: 'Before Current Step', 'After Current Step', and 'At Last Step' (selected), followed by an 'Insert' button. On the right side of the window, there is a vertical toolbar with icons for 'Customize Actions', 'DB Operations', 'File Operations' (highlighted), and 'Mobile Operations'.

Batch File Operations

- **Batch File Operation** is used to perform operations like execute a batch file, backup a database, restore a database by providing system name, system login and system password details.
- **Execute Shell Script** is the command-line interface (CLI) and interpreter for the set of commands that are used to communicate with the system.
- Shell script is usually created for a sequence of commands which is used repeatedly to save time.
- *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 displays the 'File Operations' dialog box. The 'Batch File Operations' section is active, showing two radio buttons: 'ExecuteBatchFile' (selected) and 'ExecuteShellScript'. Below these, there are input fields for 'Qualified Path (Batch/Exe)' (C:\Program Files (x86)\clearcache.bat), 'System Name' (Ramyashree Swamy), 'System Login' (ramyashree.swamy), 'System Password' (masked with asterisks), and 'Argument' (5). A 'Use Default' checkbox is next to the System Name field. At the bottom of the dialog, there are three radio buttons for execution timing: 'Before Current Step', 'After Current Step', and 'At Last Step' (selected), along with an 'Insert' button. A vertical sidebar on the right contains icons for 'Customize Actions', 'DB Operations', 'File Operations' (highlighted), and 'Mobile Operations'.

FTP Operations

- User can make a connection to the FTP/SFTP server by using FTP/SFTP client software. Once connected and authenticated the user can upload and download files.
- FTP Operations is used to connect to the FTP/SFTP server by using FTP/SFTP client software. Once connected and authenticated the files can be upload.
- Server Address/Path takes the IP address of server followed by the name of the folder where the file must be uploaded
- Along with these provide **Port Number**, **Username**, **Password** and **Source Path** to upload.
- *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 displays the 'File Operations' dialog box with the 'FTP Operations' tab selected. It features a 'Connection Type' dropdown set to 'FTP', a 'Server Address/ Path' field with '198.157.1.111/file', a 'Port Number' field with '20', a 'User Name' field with 'ramyashree.swamy', a 'Password' field with masked characters, and a 'Source Path' field with 'D:\fileoperation\DataOperations.xlsx'. There are radio buttons for 'Upload' (selected) and 'Download', and a 'Private Key' checkbox. A help icon (question mark) is in the top right. Below the fields are sections for 'Compression', 'PDF Operations', and 'Command Line Operation'. At the bottom, there are radio buttons for 'Before Current Step', 'After Current Step', and 'At Last Step' (selected), along with an 'Insert' button. A vertical sidebar on the right contains icons for 'Customize Actions', 'DB Operations', 'File Operations' (highlighted), and 'Mobile Operations'.

Compression

- To compress or decompress file, select the right **Compression** or **Decompression** option and check File/Folder radio button.
- Browse Source File/Folder Path to be compressed/decompressed.
- Browse destination folder and select destination of path.
- For compression select the zipped file name, by default the same file name is displayed .
- *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 a software interface titled "File Operations". On the right side, there is a vertical sidebar with icons and labels for "Customize Actions", "DB Operations", "File Operations" (which is highlighted with a blue background), and "Mobile Operations". The main area of the dialog is divided into several sections. The top section, "File Operations", contains a list of actions: "Email Operations", "Image Content", "Verify File", "Batch File Operations", "FTP Operations", and "Compression" (which is selected and highlighted in blue). Below this list, the "Compression" section is expanded. It contains the following fields and controls:

- Operation:** A dropdown menu set to "Compression".
- File/Folder:** Two radio buttons, "File" (selected) and "Folder".
- Source File Path:** A text box containing "D:\fileoperation\DataOperations.xlsx" with a browse button (three dots) to its right.
- Destination Folder:** A text box containing "C:\Users\ramyashree.swamy\Desktop\DbFiles" with a browse button (three dots) to its right.
- Zipped File Name:** A text box containing "DataOperations.Zip".
- Password:** A checkbox checked, followed by a text box containing four asterisks "****".
- Help:** A question mark icon to the right of the File/Folder radio buttons.

Below the "Compression" section, there are two more sections: "PDF Operations" and "Command Line Operation". At the bottom of the dialog, there are three radio buttons for timing: "Before Current Step", "After Current Step", and "At Last Step" (which is selected). To the right of these is an "Insert" button.

PDF Operations

- **PDF Operations** is used to read or verify PDF file or table values.
- **PDF File Operation** is used to read specified input pattern data from PDF file into dynamic variable.
- Data from the specified table is fetched into **Dynamic Variable** by providing the **PDF File Path**, corresponding X and Y co-ordinates.
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

..

File Operations

PDF Operations

☒ PDF Table Operation ☐ PDF File Operation

Operation: Read PDF Table Value

Action: TableValue

PDF File Path: D:\fileoperation\PDFwithTable.pdf.pdf

Page Index: 1

Table Start Coordinate (X,Y): 29.7,507.9

Table End Coordinate (X,Y): 564.3,456.9

Table (Row,Column): 6,4

Dynamic Variable: [PDFTable]

Open PDF

Before Current Step After Current Step ☒ At Last Step Insert

Command Line Operation

- In case Business Component is required to execute **Command Line Operation**, specify the command line operation function under **File Operations**.
- For example: To delete a file in path
C:\Users\anand.deo\Desktop\Command_File
- Key in C:\Users\anand.deo\Desktop\Command File>Del Command_File in **Execute Command**.
- *You can go to the detailed help of this action through the help button (question mark icon) at right side of this section.*

File Operations

- Get Line Number
- FileRowCount
- File Content
- Email Operations
- Image Content
- Verify File
- Batch File Operations
- FTP Operations
- Compression
- PDF Operations
- Command Line Operation**

Execute Command

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

Customize Actions
DB Operations
File Operations
Mobile Operations

Thank you for your time and patience



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by Innovating Possibilities**

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