

# eZAutomate Overview Data Parameterization



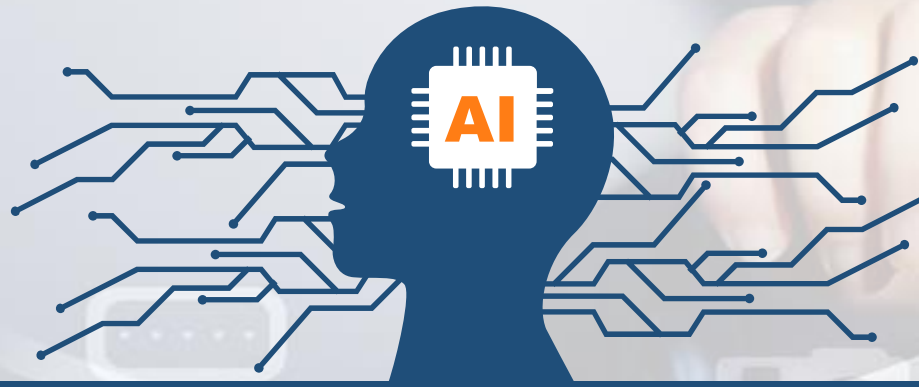
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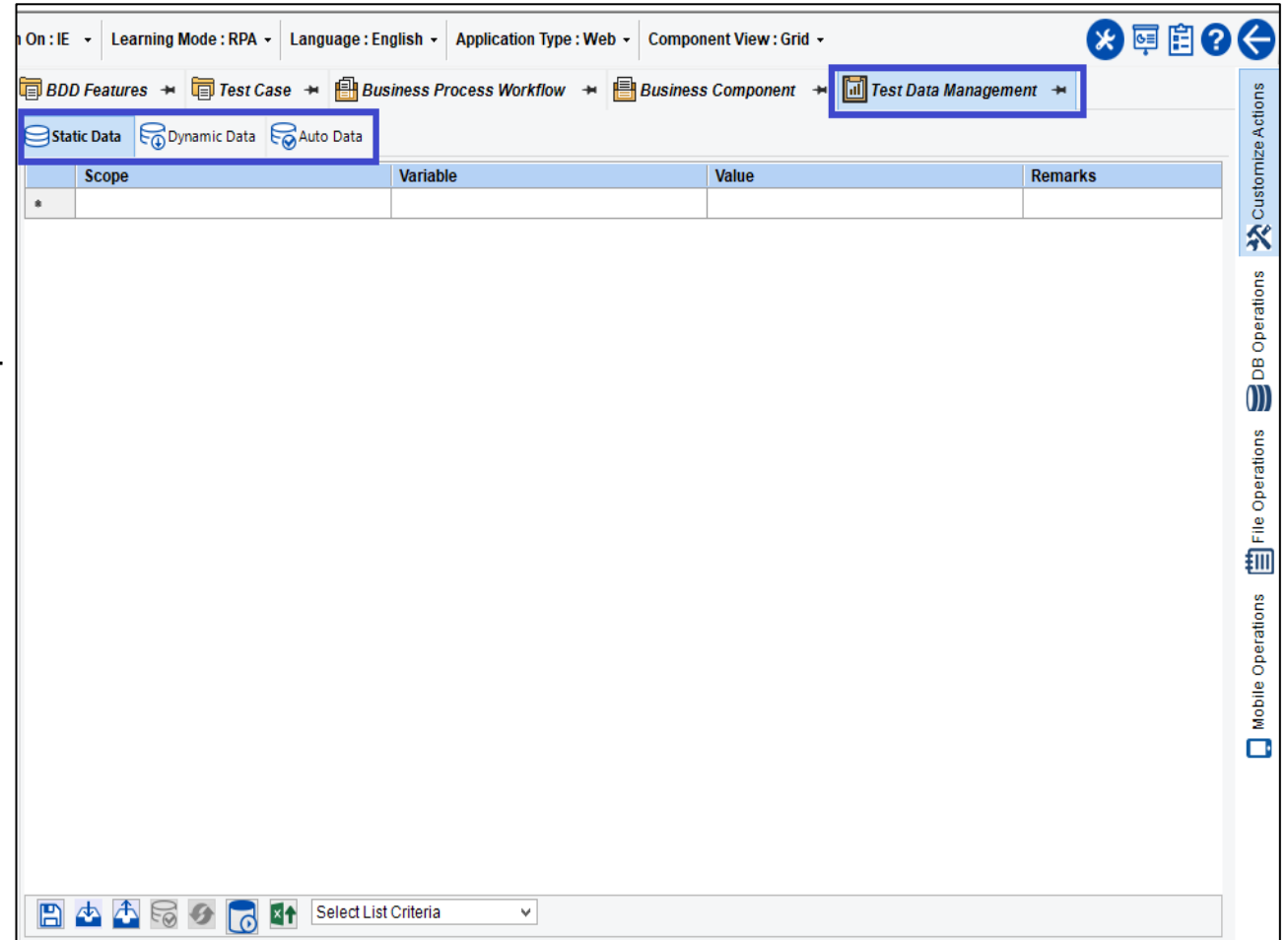
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# What is Data Parameterization ?

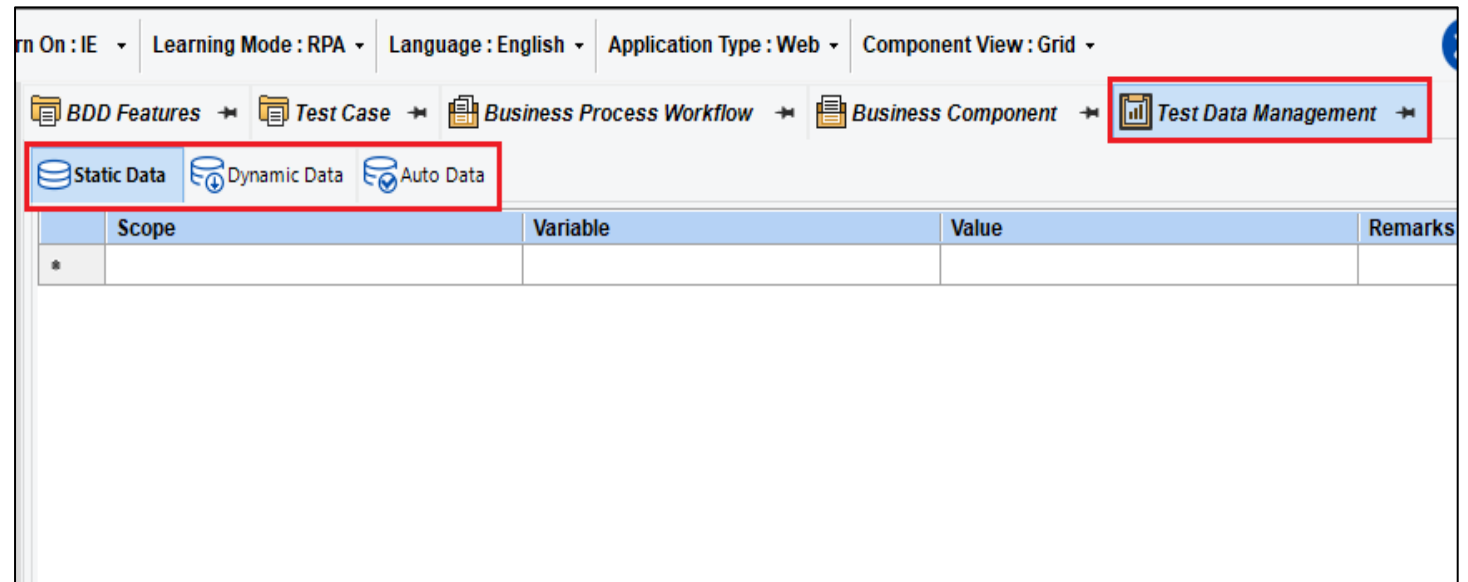
- Data Parameterization is a process in which parameters or variables are substituted for hard-coded values which help to perform the same operations on the AUT with multiple sets of data.
- Data Parameterization helps automation testers to test an application with different data for a single action or multiple actions through multiple iterations.
- There are two types of variables used in data parameterization :-
  1. Static Variables
  2. Dynamic Variables



# Ways to Parameterize Data

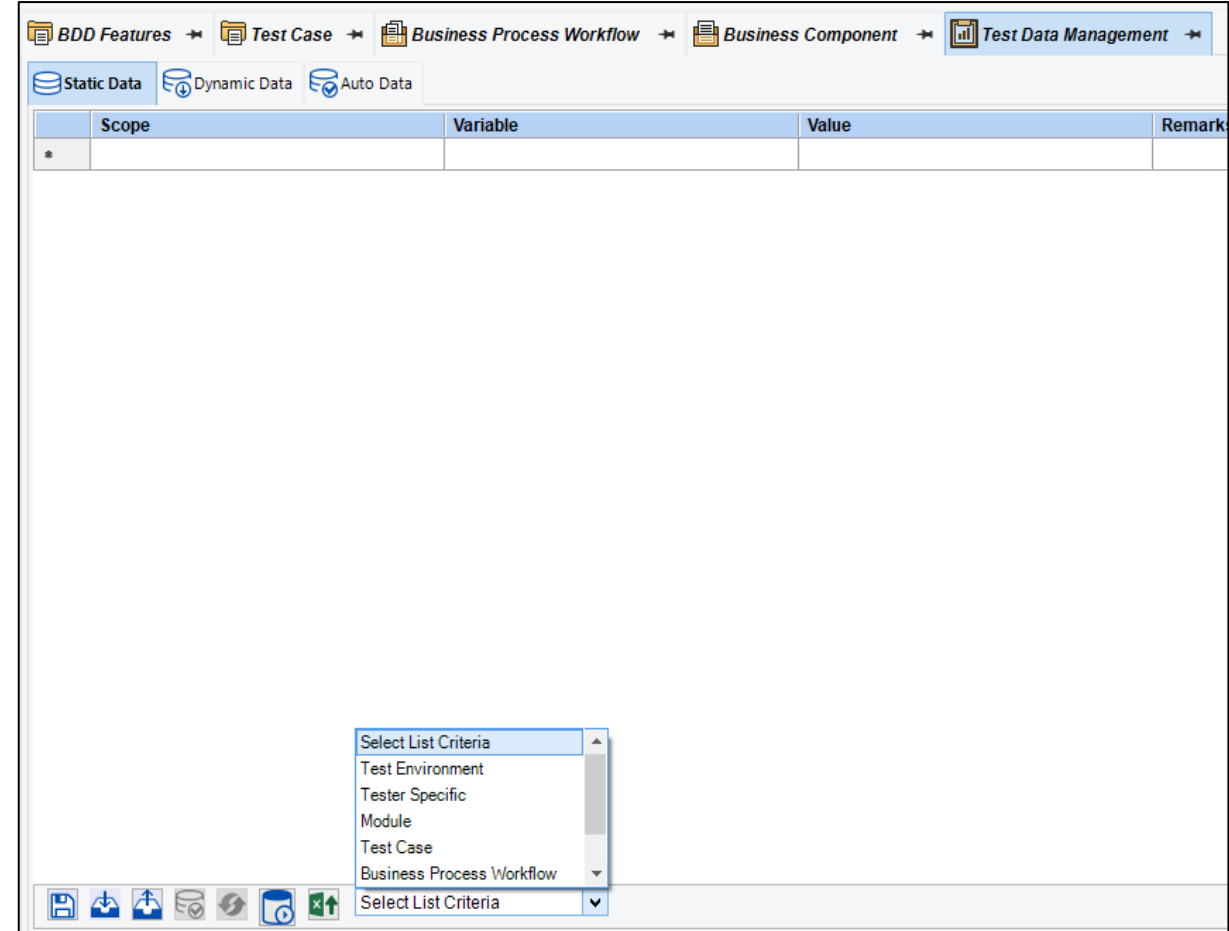
➤ Data can be Parameterized in eZAutomate with following options:

1. Static Data Parameterization
2. Dynamic Data Parameterization
3. Auto Data Generate



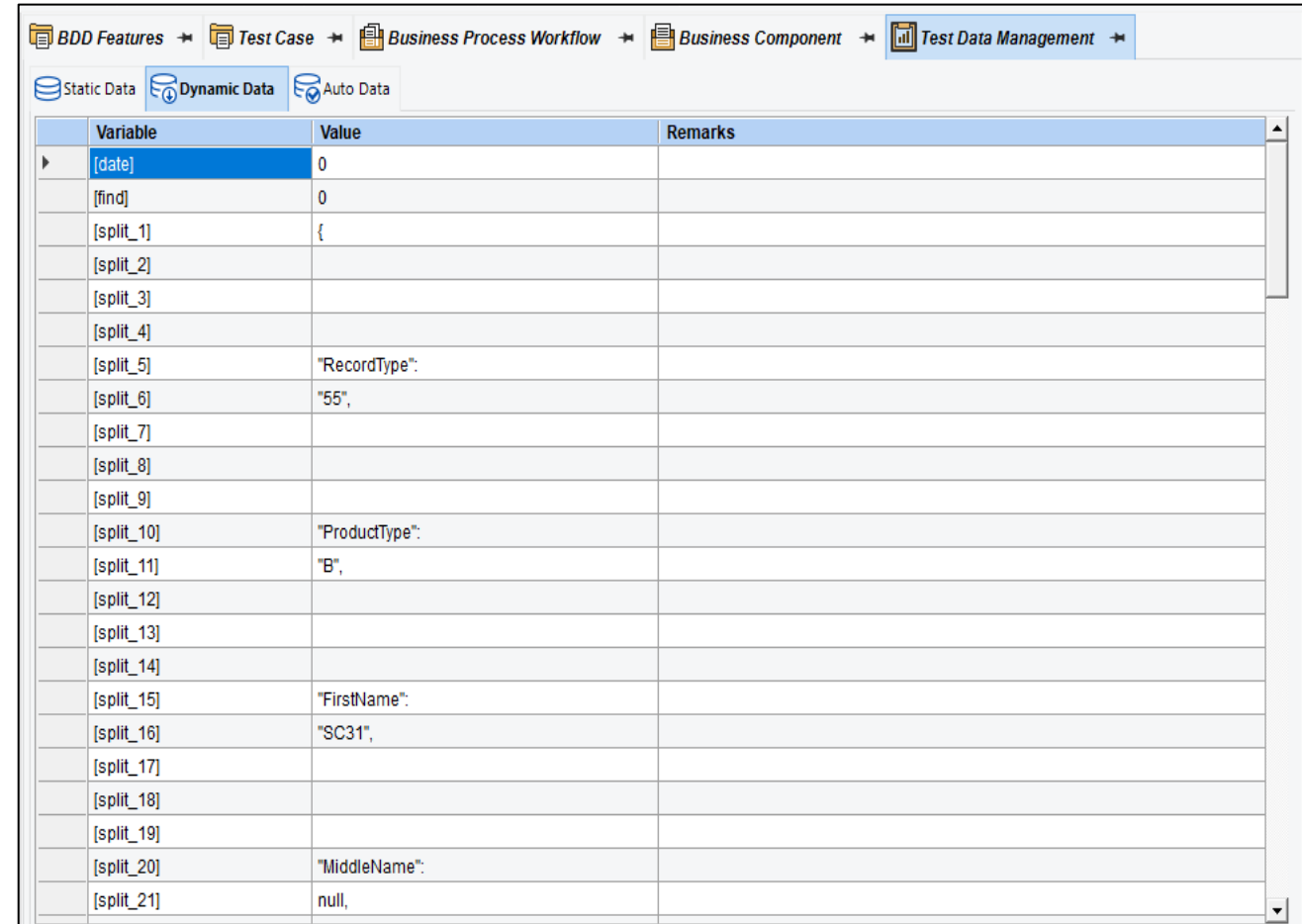
# Static Data Parameterization

- Static Data Parameterization can be implemented on Static Variables (Static variable those value will remain same/fixed). This can be done by saving data into database or by saving data into excel sheet.
- In eZAutomate, there are various level for Static Data parameterization:
  1. Test Environment level
  2. Tester Specific level
  3. Module level
  4. Test Case level
  5. Business Process Workflow level
  6. Business Component



# Dynamic Data Parameterization

- A dynamic variable is a run-time variable, which is defined for a generated output value while executing a Business Component.
- Dynamic variables with specific values can also be created to verify a default value or generate a random number. As the name suggests, the value of dynamic variable can change for every instance of execution.
- eZAutomate have five types of dynamic variables:
  1. Environment Dynamic variable
  2. Global Dynamic variable
  3. Local Dynamic variable
  4. Reserve Dynamic variable
  5. List Dynamic variable

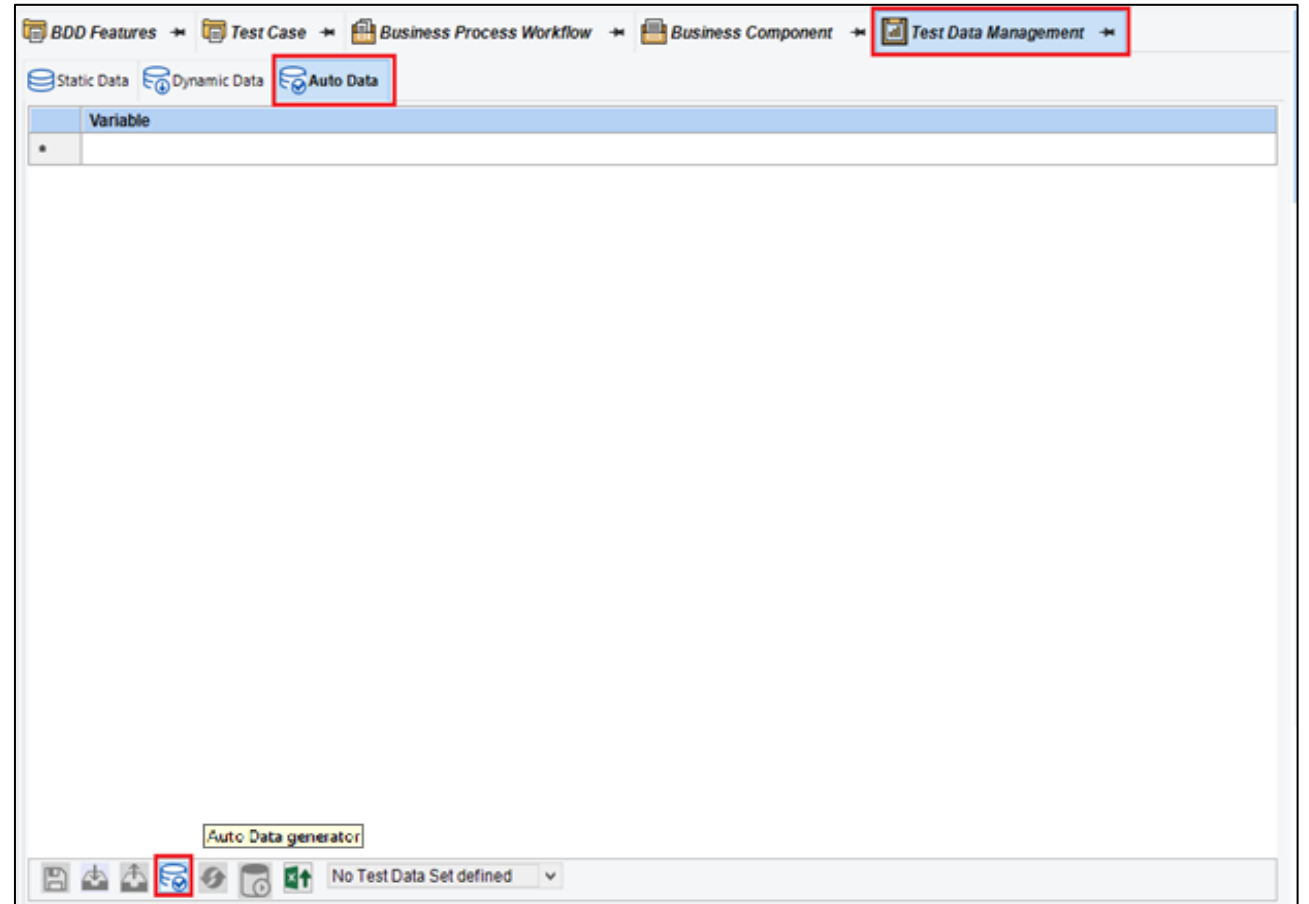


The screenshot displays the 'Test Data Management' tab in the eZAutomate application. The interface includes a breadcrumb trail: BDD Features > Test Case > Business Process Workflow > Business Component > Test Data Management. Below the breadcrumb, there are three tabs: Static Data, Dynamic Data (which is selected), and Auto Data. The main area contains a table with three columns: Variable, Value, and Remarks. The table lists 21 dynamic variables, including [date], [find], [split\_1] through [split\_21]. Some variables have specific values assigned, such as [split\_5] with 'RecordType:', [split\_6] with '55', [split\_10] with 'ProductType:', [split\_11] with 'B', [split\_15] with 'FirstName:', [split\_16] with 'SC31', and [split\_20] with 'MiddleName:'. The variable [split\_21] has a value of 'null'.

Variable	Value	Remarks
[date]	0	
[find]	0	
[split_1]	{	
[split_2]		
[split_3]		
[split_4]		
[split_5]	"RecordType":	
[split_6]	"55",	
[split_7]		
[split_8]		
[split_9]		
[split_10]	"ProductType":	
[split_11]	"B",	
[split_12]		
[split_13]		
[split_14]		
[split_15]	"FirstName":	
[split_16]	"SC31",	
[split_17]		
[split_18]		
[split_19]		
[split_20]	"MiddleName":	
[split_21]	null,	

# Auto Data Generate

- eZAutomate has option to generate data automatically.
- **Auto Data Generator** will generate random static data as per the input given by user.
- Data generated by auto data generator will either be saved in database or in excel file.



# Thank you for your time and patience



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