Paremeters

Slide 3 and 4

You can affect the behavior and results of a business process test by using parameters to define the values that components and flows receive and return. This process is known as parameterization.

Slide 5

Parameterization enables you to perform operations on the application you are testing with multiple sets of data.

## Input Parameters

Slide 5

When creating components, tests, and flows, you define how the values are supplied for input parameters.

An input parameter can receive:

* A predefined default value, if no other value is supplied by the test or flow.
* An output parameter value returned by a component or flow earlier in the test.
* An output parameter value from a component earlier in the same flow.
* A parameter value that is supplied at the test level, or when the flow runs in a business process test.

## Output Parameters

Slide 6

Output parameters allow data values retrieved from a component step or flow (the source) to be passed as input parameters to a subsequent component or flow (the target) in the test run.

You define component output parameter names and descriptions for the business component in

## Local Parameters

Slide 8

A local parameter is specific to the business component. Its value is defined within the component and can be accessed by that component only. It is intended for use in a single step or between component steps

## Default Values

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You set default values when creating and editing variables in the Business Components and Test Plan modules. Only input parameters can have default values.

## Actual Values

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You can specify actual values in the Test Plan module when working with iterations and test configurations. You can also specify actual values when running a business process test or flow in the Test Lab module.

## Creating Parameters while defining manual steps.

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In the Business Components module > Manual Implementation tab, create a new step or modify an existing step

Click the Insert Parameter button to open the Parameters dialog box. Enter a name, default value (for input parameters), and a description.

## Date Value

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In any tab, dialog box, or grid, where you have the option of entering dates, click the down arrow to open the Set Values page.

In the Set Values page, click Set Date. A calendar appears enabling you to set a date value.

## Dynamic Date Value

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A dynamic date is a date relative to the current date (today, yesterday, a year from today). You can add or subtract an offset time period to the relative date that you specify (such as 3 months before one year ago).

## Encrypted Value

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## Encrypted values are displayed as asterisks so that their actual values cannot be seen.

## In any tab, dialog box, or grid, where you have the option of encryption, click the down arrow to open the Set Values page.

## Parameter Promotion

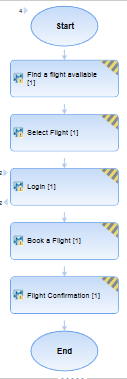
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Promoting parameters enables the components in other flows (and components and flows in other tests) to access a parameter value.

Promotion widens the scope of a parameter so that more entities can use its value when a business process test runs.

You can promote component parameters to the flow or test level at the same time as you add a component to a flow or test. Similarly, flow parameters can be promoted to the test level at the same time as you add a flow to a test.

Parameter Promotion Example



The three components, CreateLoan, VerifyLoan, and ApproveLoan, process a customer loan request using a parameter called LoanID. The loan ID is stored as a flow parameter and is available to the three components in the flow.

However, the business process needs other flows in the business process test, such as CancelLoan, to access the loan ID as well.

For LoanID to be accessible to the other flows, promote the LoanID parameter to the flow level for each flow, and then promote the LoanID flow parameter to the test level. A new test level parameter called LoanID is created that is accessible to every component and flow in the business process test.

## How to promote parameters

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Go to test plan module -> Test Script. Make sure you have select a component/flow with parameters predefined

Click “Select Components”, choose a components and add it by “Add while setting Promote Options”

## Promote Parameters Options

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When you click “Quick Add” button, you can:

* promote the parameters automatically
* Adding the component while setting promote option
* Add without promoting parameters

### Promotion Options for Adding Components and Flows

To add the component or flow while setting promotion options, click the down arrow on the right side of the QuickAdd button in the toolbar. Select Add while Setting Promote Options.

The Promote Parameters dialog box opens. This dialog box enables you to choose whether to promote component or flow parameters to the next level. Select the parameters you want to promote.

To add the component or flow while automatically promoting all parameters (and without opening the Promote Parameters dialog box), click the down arrow on the right side of the QuickAdd button in the toolbar. Select And Automatically Promote All Parameters. The component or flow parameters are promoted to the next level.

To add the component or flow using the last-used method for parameter promotion, do one of the following:

➤ Double-click the component or the flow.

➤ Drag the component or flow to the Script pane.

➤ Click the QuickAdd button in the toolbar.

➤ Click the down arrow on the right side of the QuickAdd button in the toolbar, and choose the QuickAdd menu option.

The Promote Parameters dialog box will display if the Add while Setting Promote Options menu option was the last menu option

chosen when adding components or flows to the Script pane.

5 If necessary, click OK to close the Promote Parameters dialog box.