



## PROCESSRUNNER 2.0

The OpenText MBPM Test Plan generator and Load Testing solution

## FUNCTIONAL OVERVIEW



## OVERVIEW

ProcessRunner is an automated testing product designed specifically for use with OpenText MBPM. By automating user actions and allowing tests to be scripted, it has been shown to reduce testing and development time and improve the quality of the deployed solution.

ProcessRunner is licensed per MBPM database or environment. It is typically installed in a development or UAT environment, but might have further uses for data migration in a production environment.

The main benefits are ProcessRunner are that it:

- Helps identify process issues and bottle-necks
- Reduces time and costs of development
- Allows realistic load testing, particularly testing integration with external systems
- Helps predict performance after months or years of running a Metastorm business process

## CREATING A TEST SCRIPT

- Select the project and map to be tested
- Assign a name and description
- Set a default user to take each action
- Allow ProcessRunner to automatically create test routes through the process or manually define the route, or base it on an existing folder

Multiple scripts can be created to test different aspects of the same process.

When the initial form is submitted, ProcessRunner will create one or more test routes. These will show the path through the process that the folder will be expected to take.

Each test route can have more than one dataset so that the same actions can be tested with different data. Random data can be generated for fields that do not depend on any particular data for the test.

The screenshot shows a web browser window titled "New Script (ProcessRunner Script) - Windows Internet Explorer". The main content area is titled "ProcessRunner 2.0" and contains the following form elements:

- Script Name**: Text input field containing "Matter Inception Test1".
- Procedure**: Dropdown menu with "Matter\_Inception1" selected.
- Process**: Dropdown menu with "Matter\_Inception" selected.
- Creation method**: Dropdown menu with "Manual" selected.
- Test Type**: Radio button group with "Standard" selected and "Floating" unselected.
- Number of folders**: Text input field containing "1".
- Description**: Large text area containing "Test of the New Client Matter process up to authorisation".
- Default User**: Dropdown menu with "Paul" selected.
- Default Field Value Type**: Dropdown menu with "Randomized" selected.

At the bottom right of the form, there are "OK" and "Cancel" buttons.



## ORGANISING THE TESTS

- Add additional Test Routes and Datasets
- Delete unwanted Routes and Datasets
- Select which user takes each action
- Set a SQL script to run at the beginning of each test
- Add a delay to each action if required

The screenshot shows the 'ProcessRunner 2.0' application window with the 'Edit Data Sets' page. The page displays a table with the following data:

Route	Route Description	DataSet	Dataset Description	Parent DataSet	Folder Co...
Route 1	Initiate, Client_Details, Matter_Details, Engagement_Details, Roles_and_Access_Control, Forward_for_Authorisation, GoToAuth, Authoris	Route 1 - Dataset 1	With Partner Authorisation		10
Route 0	Initiate, Client_Details, Matter_Details, Roles_and_Access_Control, Engagement_Details, Forward_for_Authorisation, GoToAuth, Return_t	Route 0 - Dataset 1	Without Partner Authorisation		10

Below the table, there are input fields for 'Route Name', 'Route Description', 'Dataset Name', and 'Dataset Description'. There is also a 'Folder Count' field with a value of 0. Action buttons include 'Add', 'Update', 'Update Dataset and Route', and 'Delete Dataset'. At the bottom right, there are 'OK' and 'Cancel' buttons.

## DEFINING THE TEST DATA

- Enter fixed data where a known value is required
- Select the random data option to quickly create test cases
- Use the list data type to create a number of different scenarios for the same route
- The data type for each field is known so that data can be validated on input.
- Fields can be used more than once with button clicks to populate non-editable grids

The screenshot shows the 'Edit Data' window for 'ProcessRunner 2.0'. The window title is 'Edit Data (PR-0229) - Windows Internet Explorer'. The main content area displays the following information:

- Route:
- Dataset:
- Folder Count: 10
- Dataset for Action: Client\_Details

Navigation buttons: |< << >> >|

Entry Order	Field	Value Type	Value
4	cl_Salutation	Randomized	
5	cl_FirstName	Fixed	John
6	cl_LastName	Fixed	Smith
9	cl_Name1	List	
24	cl_Status	Fixed	CURRENT

Buttons: Add, Update, Delete

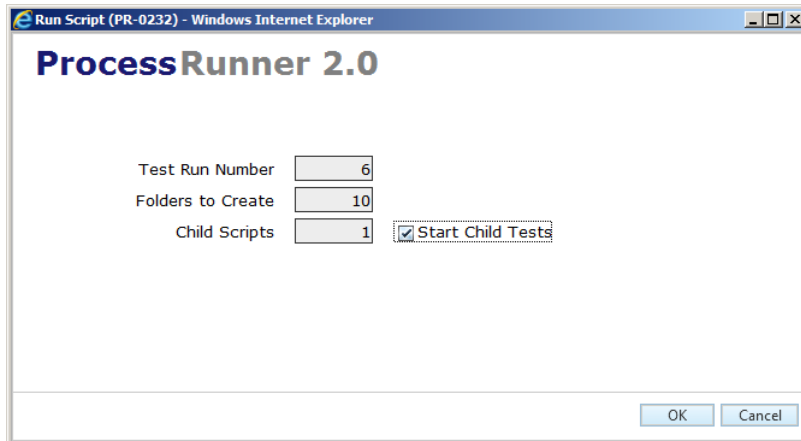
Field Order:  Field Name:

Value Type:

Buttons: OK, Cancel

## RUNNING THE SCRIPT

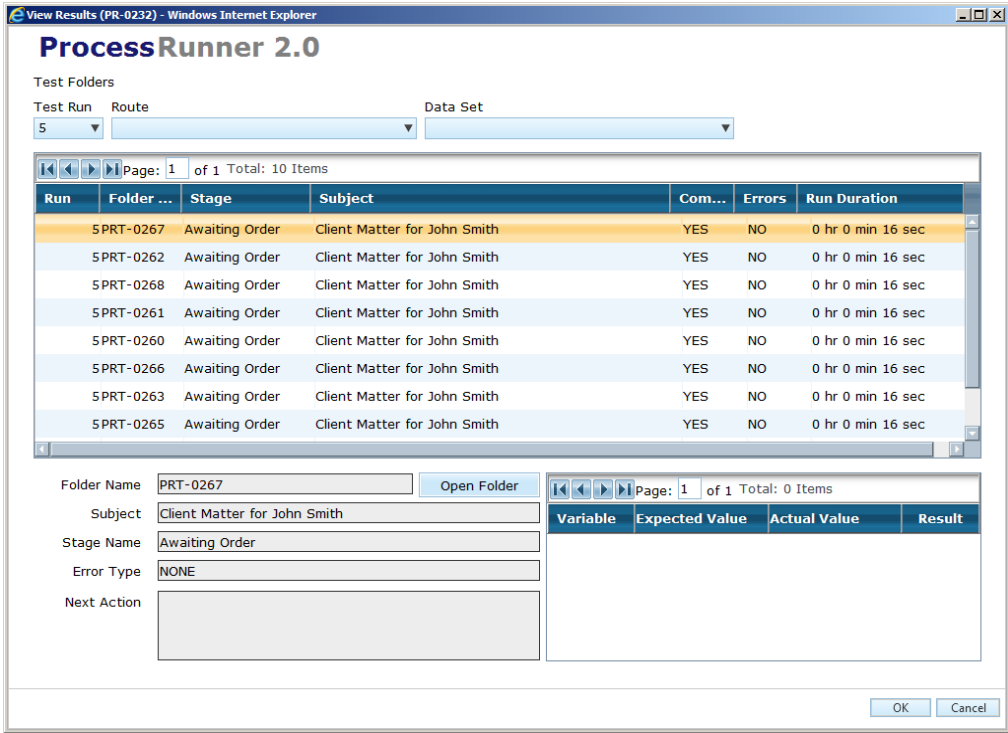
- Start test immediately or set to run at a particular time
- Trigger the running of Child Test Scripts to test sub processes
- The date and time setting allows the testing to be scheduled so that it can be run out of hours or on a regular basis to monitor a test environment



## VIEWING THE RESULTS

- See an overview of the number of completed and successful tests
- View performance metrics
- Identify errors and drill down for more details
- Open individual folders to check the data
- Export results to Excel

Analysis of the results can be particularly useful for testing integration with external systems. For example, a process containing web service or database integration might work reliably until a high number of requests are made. The performance of each folder can be traced by drilling down to the event history before going on to open the folder.



The screenshot shows the ProcessRunner 2.0 application window. At the top, it displays 'View Results (PR-0232) - Windows Internet Explorer'. The main title is 'ProcessRunner 2.0'. Below the title, there are 'Test Folders' with dropdown menus for 'Test Run' (set to 5), 'Route', and 'Data Set'. A table below shows a list of 10 items, with the first item selected. The table has columns for Run, Folder, Stage, Subject, Com..., Errors, and Run Duration. Below the table, there are input fields for 'Folder Name' (PRT-0267), 'Subject' (Client Matter for John Smith), 'Stage Name' (Awaiting Order), 'Error Type' (NONE), and 'Next Action'. To the right of these fields is a smaller table with columns for Variable, Expected Value, Actual Value, and Result. At the bottom right, there are 'OK' and 'Cancel' buttons.

Run	Folder ...	Stage	Subject	Com...	Errors	Run Duration
5PRT-0267		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0262		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0268		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0261		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0260		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0266		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0263		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec
5PRT-0265		Awaiting Order	Client Matter for John Smith	YES	NO	0 hr 0 min 16 sec

Variable	Expected Value	Actual Value	Result

## UPDATING AND RE-RUNNING THE TEST

ProcessRunner allows scripts to be run repeatedly. The results of each run are stored to allow comparisons to be made.

If a change has been made to the MBPM forms, ProcessRunner can recheck the procedure to include any updates in the test plans.



## CONTACT DETAILS

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