

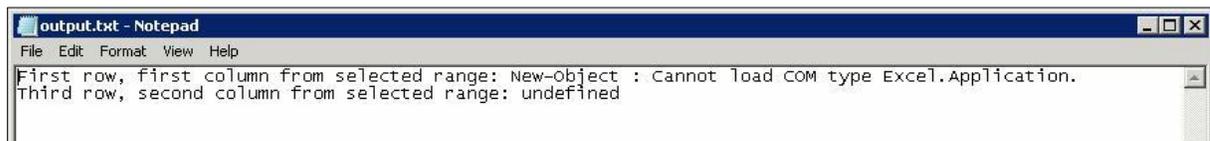
Implementation Instructions for Example Operators for Microsoft Excel®

Prerequisites:

- 1) "Operators for Microsoft Excel 1.2.xml" is installed

This can be downloaded from the Common Documents folder

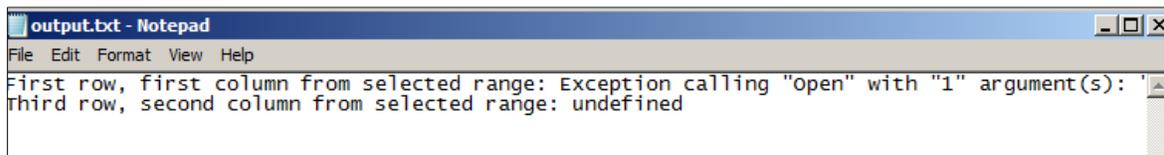
- 2) Microsoft Office Excel component is installed. If this is not installed, it will generate errors similar to the following:



```
output.txt - Notepad
File Edit Format View Help
First row, first column from selected range: New-Object : Cannot load COM type Excel.Application.
Third row, second column from selected range: undefined
```

- 3) Configure Microsoft Office® as the interactive user

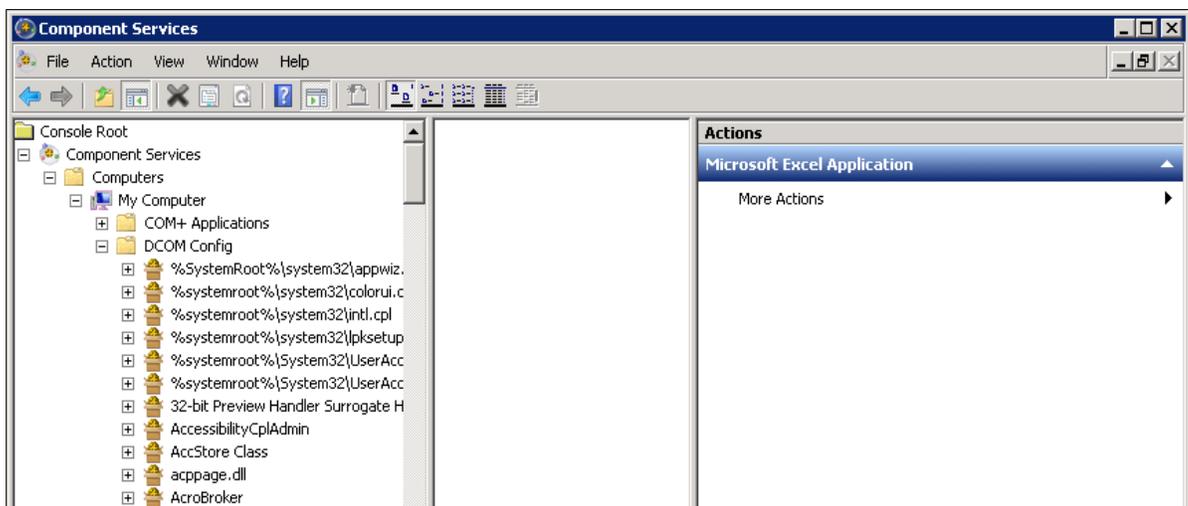
Excel operators run as the "SYSTEM" user which may not be able to access an Excel file when run under CA Process Automation. It may generate error like this:

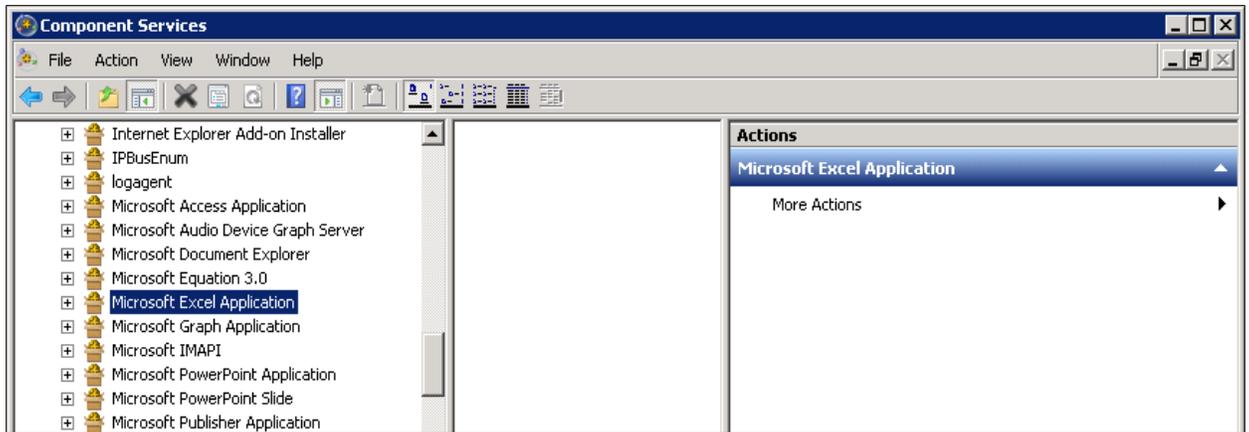


```
output.txt - Notepad
File Edit Format View Help
First row, first column from selected range: Exception calling "open" with "1" argument(s): '
Third row, second column from selected range: undefined
```

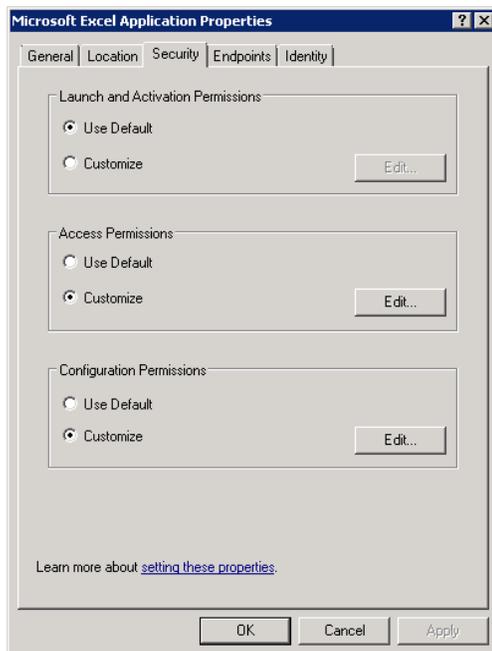
- 4) To configure the Excel application to run as an Interactive User, execute the following steps. Note that these steps may vary depending on your Microsoft Office release or the Operating System.

- a) Click **Start**, click **Run**, and then type **DCOMCNFG**.
- b) Select Computer Services -> Computers -> My Computers -> DCOM Config and then select the Microsoft Excel Application



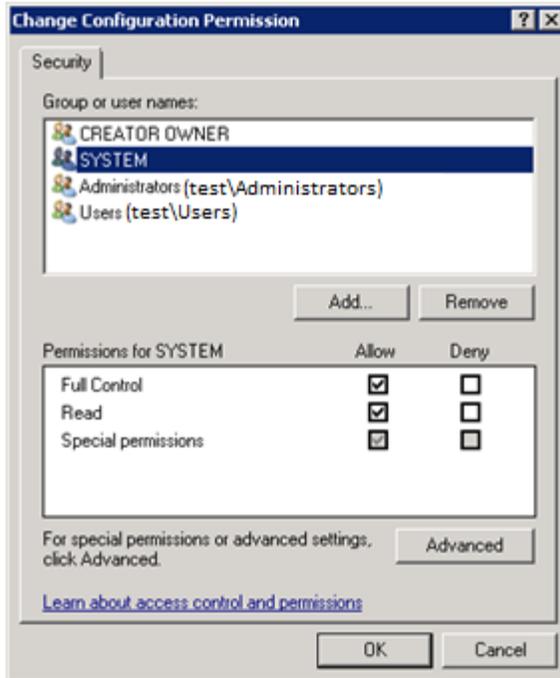


- c) Click **Properties** to open the property dialog box for this application.
- d) Click the **Security** tab.
- e) Verify that **Use Default** is selected for “**Launch and Activation Permissions**” and “**Access Permissions**”.

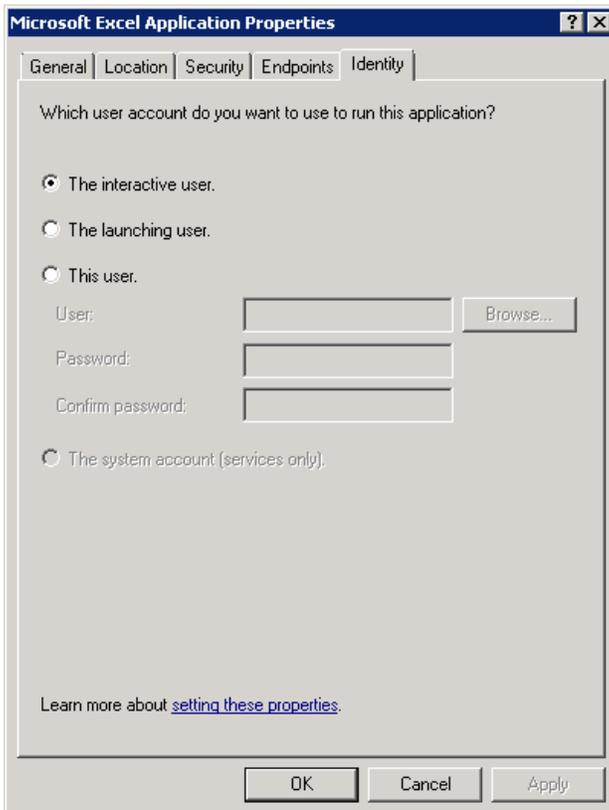


- f) Click **Edit** button for “**Configure Permissions**”

Verify that the SYSTEM User and CREATOR OWNER have full access



g) Click the **Identity** tab and then select **The Interactive User**



Click OK to close the property dialog box and return to the main applications list dialog box.

Using the Operators

1. Download the Excel Examples package and extract it to your local disk. This package contains sample processes to test the Excel Custom operators

Name ^	Date modified	Type	Size
 Excel Examples.xml	1/21/2011 12:09 PM	XML Document	
 Sample.xls	1/20/2011 9:54 AM	XLS File	

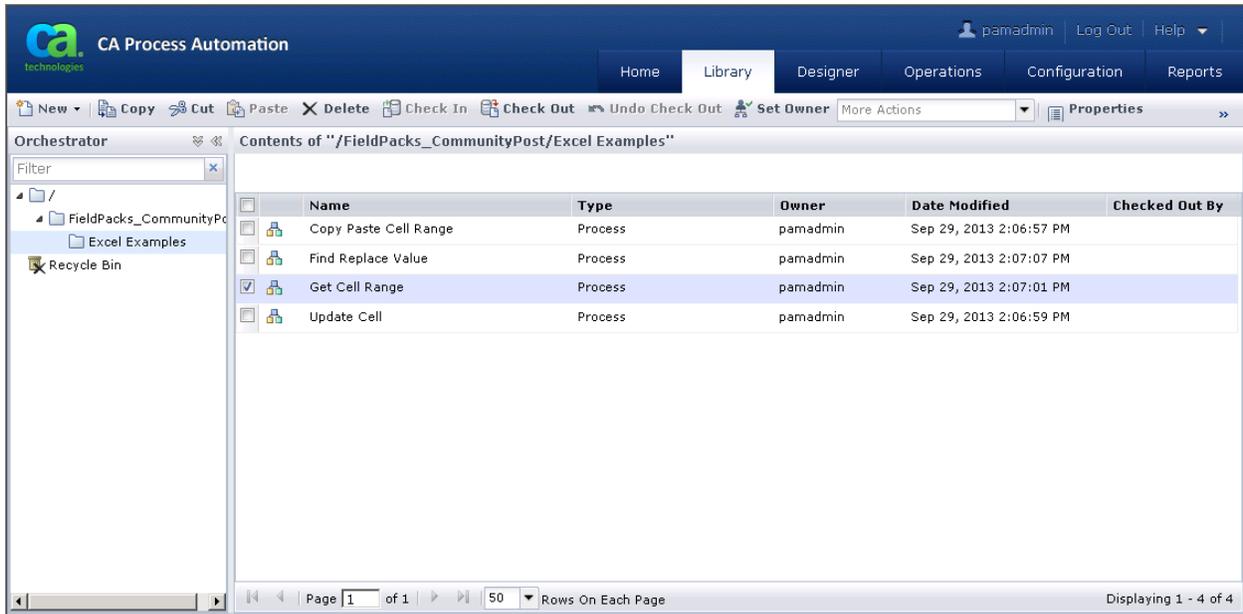
2. If you have not already imported the operators for Microsoft Excel 1.2, do so now. For example:

CA Process Automation
Home Library Designer Operations Configuration Reports
New Copy Cut Paste Delete Check In Check Out Undo Check Out Set Owner More Actions Properties Refresh Help
Orchestrator
Filter
FieldPacks_CommunityPost
Custom Operators
Microsoft Excel
Excel Examples
Test
Recycle Bin
Contents of "/>FieldPacks_CommunityPost/Custom Operators/Microsoft Excel"
Search Advanced Search
Name Type Owner Date Modified Checked Out By
CopyPaste Custom Operator pamadmin Sep 29, 2013 5:17:19 PM
ExcelIcon Custom Icon pamadmin Sep 29, 2013 5:17:18 PM
FindReplace Custom Operator pamadmin Sep 29, 2013 5:17:20 PM
GetCell Custom Operator pamadmin Oct 1, 2013 5:51:50 PM
UpdateCell Custom Operator pamadmin Sep 29, 2013 5:17:20 PM
Page 1 of 1 50 Rows On Each Page Displaying 1 - 5 of 8

3. Import the Excel Examples.xml file:

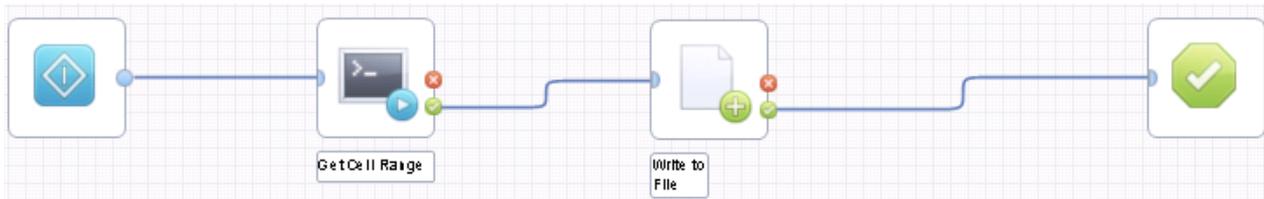
CA Process Automation
Home Library Designer
New Copy Cut Paste Delete Check In Check Out Undo Check Out Set Owner More Actions Properties
Orchestrator
Filter
FieldPacks_CommunityPost
Recycle Bin
Contents of "/>FieldPacks_CommunityPost"
Search Advanced Search
Name Type Owner Date Modified
Import
File: C:\fakepath\Excel Examples.xml Browse
If an imported object has the same name as an existing object:
Import as a new version and keep the existing object
 Set Imported Version as Current
 Make Imported Custom Operators Available
 Publish Custom Operator Group Configuration
Cancel Submit

4. The following process will be imported



5. Next, run the Get Cell Range process

Get Cell Range process uses two operators "GetCell" and "Write to File"



Dataset

Get_Cell_Range

Name	Value
Parameters	

Get_Cell_Range Properties

General Settings

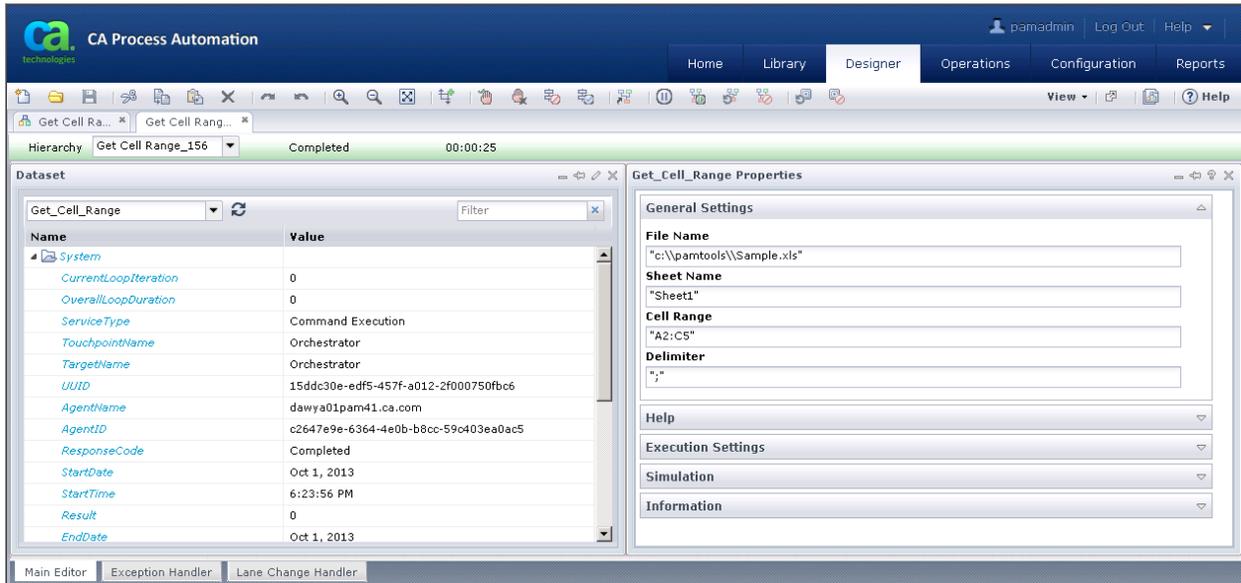
File Name
"c:\\Sample.xls"

Sheet Name
"Sheet1"

Cell Range
"A2:C5"

Delimiter
";"

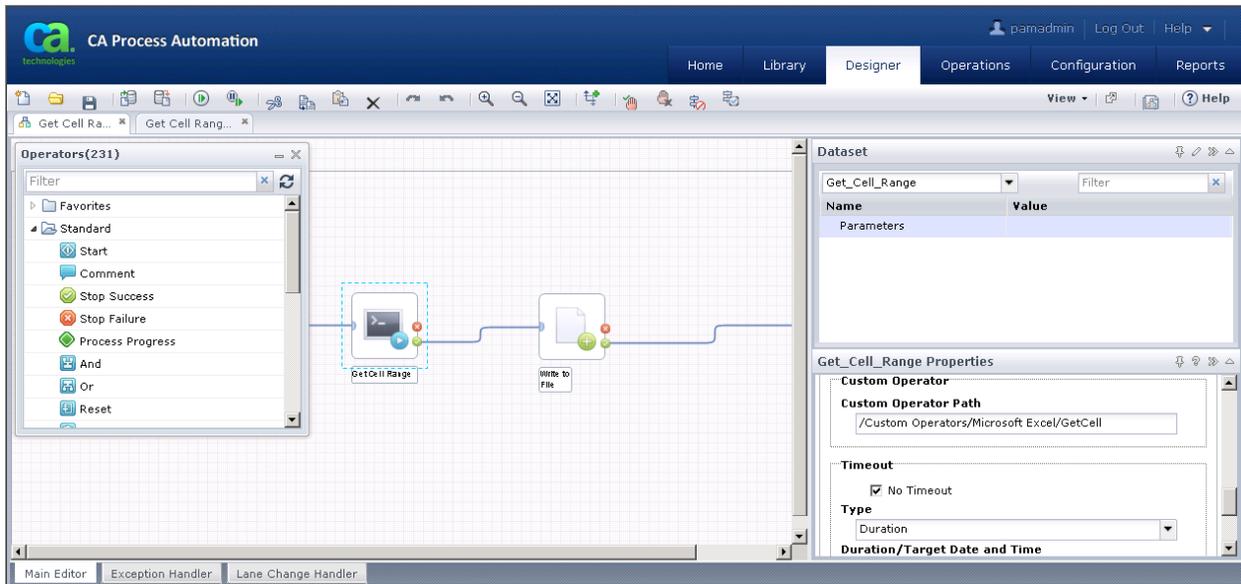
- Here we have updated the parameters to use an Excel spreadsheet sheet from the \pamtools folder. Copy sample.xls extracted from the package to pamtools.



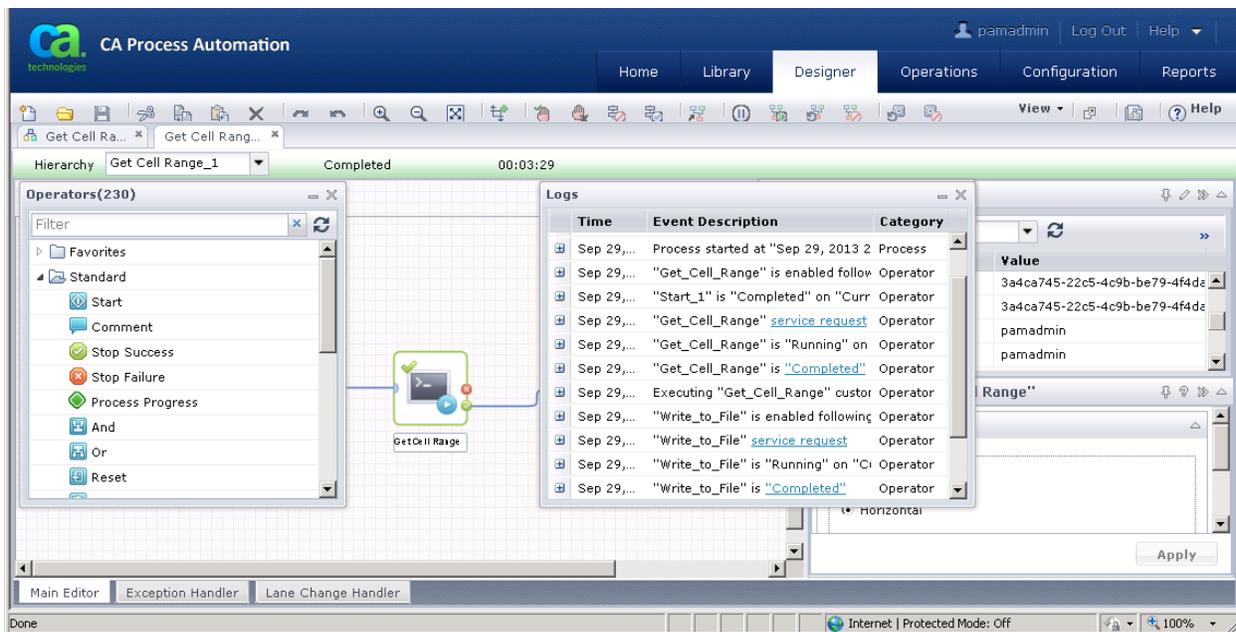
The content of sample.xls is as follows. We will get range A1: C5

	A	B	C	D	E	F
1	Virtual Machine	Configured Memory	Recommended Memory			
2	BizApp-001	1024	1280			
3	BizApp-002	1024	1280			
4	SharePoint-001	768	1024			
5	SharePoint-002	2048	1536			
6						
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20						

- Verify that the Operator is picked up from the correct location



8. Run the process



9. Check the output.txt file for the contents of the A1:C5 cells or you can check script output for the results

Dataset

Name	Value
Result	U
EndDate	Oct 1, 2013
EndTime	6:24:11 PM
Excel_Data	[4]
CustomPostExecute	Successful
General Settings	
File_Name	c:\pamtools\Sample.xls
Sheet_Name	Sheet1
Cell_Range	A2:C5
Delimiter	;
scriptOutput	BizApp-001;1024;1280 BizApp-002;1024;1280 ShareP
Help	
Script	
Operation Results	

Get_Cell_Range Properties

General Settings

File Name
"c:\pamtools\Sample.xls"

Sheet Name
"Sheet1"

Cell Range
"A2:C5"

Delimiter
";"

Help

Execution Settings

Simulation

Information