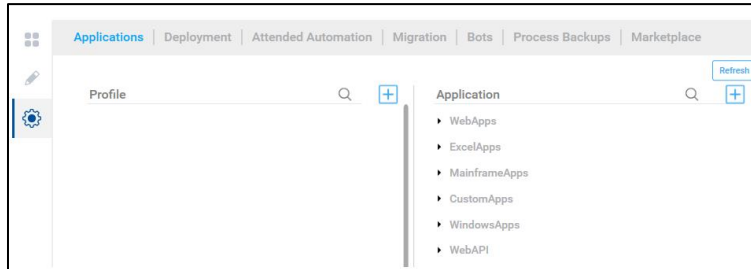
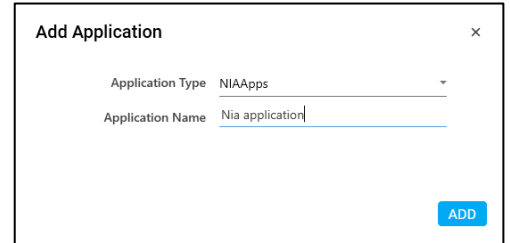


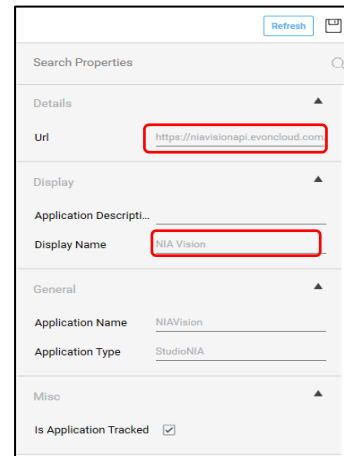
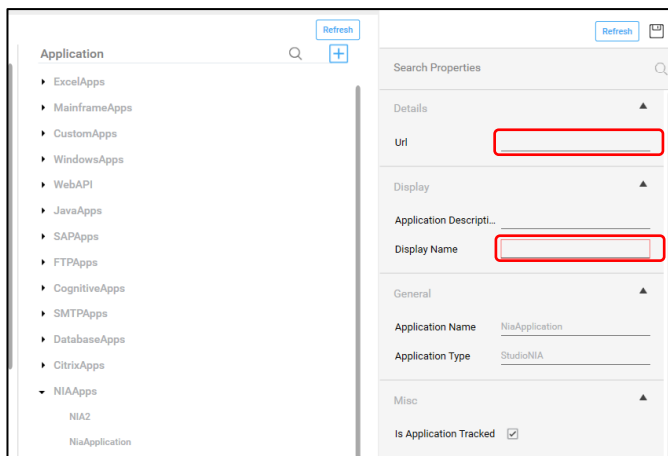
AssistEdge RPA Demo Guide 18.0

Nia Vision – (Refer to Slide Number <Slide Number>)

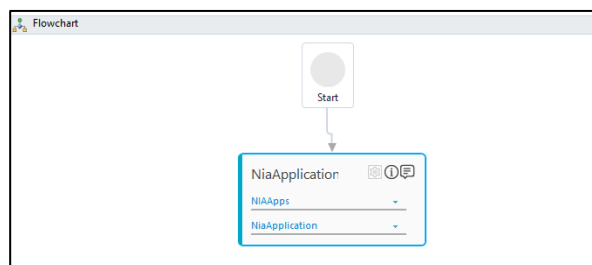
1. Open **Automation studio** and add a new application.

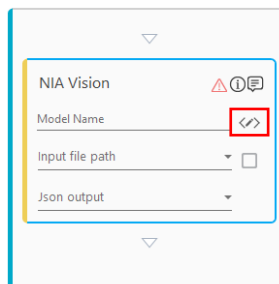
2. Click on **+** icon to add a new application. Application Type **NIA Apps** and give it a name **Nia application**.
3. Provide the Nia server **Url** and **Display Name** (any name).



4. Create a new process and add an **Application activity**. Select application type as **NIAApps** and select the **NiaApplication**.



5. Drag and drop **Nia vision** activity inside the **NiaApplication** activity. Click on the **Model Name** selection.



6. Provide the **subscription key** to fetch the models. Select the desired model from the drop down.

Select Model

Subscription Key

Fetch models

Search

7. Create 2 arguments, first for the pdf input file and second for storing the **Nia** output

Name	Direction	Argument type	Default value
inputPDF	In	String	"D:\Demo\CanaraBankCheque.pdf"
jsonOutput	Out	String	Default value not supported

8. Set the **Input file path** and **Json output** field from the arguments.

NIA Vision

Model Name

indian_cheque_model_020419075247

Input file path

inputPDF

Json output

jsonOutput

9. Add a **Writeline** activity to check the output.

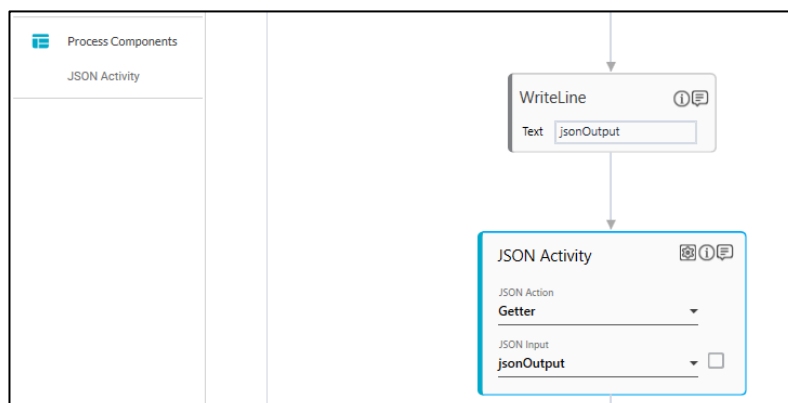
WriteLine

Text

jsonOutput

10. To check whether **Nia service** is working **Setup environment** and **Test Run**.

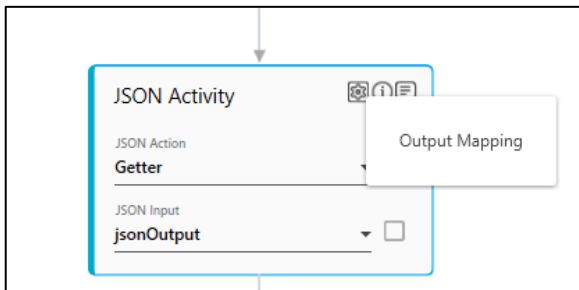
11. Now, to extract the data based on the output, first use **Json activity** to get the co-ordinates. Select the action as **Getter** and **jsonOutput** argument for json Input.



12. Create 4 arguments to store the co-ordinates.

inputPDF	In	String	"D:\Demo\CanaraBankCheque.pdf"
jsonOutput	Out	String	Default value not supported
xmin	In	Int32	Enter a VB expression
ymin	In	Int32	Enter a VB expression
xmax	In	Int32	Enter a VB expression
ymax	In	Int32	Enter a VB expression

13. Click on the settings icon then click on **Output Mapping**.



14. Click on **Add** to add new mapping. Provide the **JSON Path** and map it to the variable.

Output Mapping: + Add

JSONPath	Mapping Variable
files[0].pages[0].objects[0].bbox.xmin	xmin
files[0].pages[0].objects[0].bbox.ymin	ymin
files[0].pages[0].objects[0].bbox.xmax	xmax
files[0].pages[0].objects[0].bbox.ymax	ymax

CONFIRM

15. Add a **Pdf to Image** activity after **Json activity**.

Pdf to image

Pdf file path
inputPDF

Page number
1

Output Image Type
Specific Image Area

X min co-ordinate
xmin

Y min co-ordinate
ymin

X max co-ordinate
xmax

Y max co-ordinate
ymax

Output image path
ouputImage

16. Select the options:

- PDF file Path:** inputPDF (argument)
- Page Number:** 1(Select the check box)
- Output Image Type:** Specific Image Area(From dropdown)
- Select the 4 co-ordinates**
- Output Image Path:** <create an argument>

17. Add an **Application** activity below **PDF to Image**. Select application type as **Cognitive Apps** and select one from the drop down.

18. Now, add a **Cognitive Vision** activity inside the application. Select provider as **Microsoft** and service **OCR**. Click on settings button

19. Fill the configuration details:

- API Url:** <Enter the Microsoft OCR vision url>
- File Path:** outPutImage (argument used in PDF to image activity)
- Text Language:** <leave it blank>(optional)
- OutPut:** ocrOutPut (create an argument of string type)

Configuration

X

API URL

https://azuswaempocr-trial.cognitiveservices.azure

File Path

Select Argument

ouputImage

Text Language

Enter Language Here

Output

Select Argument

ocrOutput

20. Use a **WriteLine** activity to see the results.

21. **Setup Environment** and **Test Run**.

Note: You need subscriptions keys for Nia service and OCR service.