LAB- Using File Endpoint

In this lab, you will be working on **01-fileendpoint-start**   project   under **04-file-jms** section

In this lab you will understand

- a)   how to use a File inbound endpoint to   poll for files
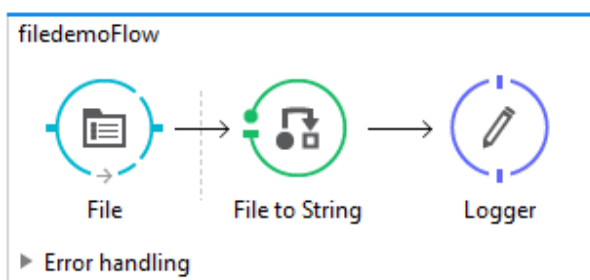- b) Various File connector specific options.

STEP 1

1)   Create a new mule configuration file with name "filedemo"

2) Drag a file connector and configure   its path as "c:\mule\input" (If you are using linux or MAC, give some other folder as input folder)

Configure the Polling Frequency as 5000 milli seconds.

3) Drag a "File to String" transformer and a logger. Configure logger to log payload.

Finally, the flow should look like below :

4) Deploy this application and keep "sales.csv" under input folder.

Observe that the file is picked up by the file inbound endpoint and logger logs it.

Also the file is deleted from the input directory.

5) We dont want the files to be deleted, We want the file to be moved.   So, configure " Move to Directory" as some folder path.

Deploy the application and again place sales.csv in input folder. You should observe that the file is moved after processing.

6) We want to specify the move to pattern. So, configure it as
#[**message**.inboundProperties.originalFilename+**server**.nanoTime()]

Deploy the application and again place sales.csv in input folder. You should observe that the file is moved after processing and the file name is following the given pattern

7) Now we want to process only csv files. So, click on '+' after "File Name Regex filter " and configure pattern as .*csv .

Deploy the application and again place sales.csv and "muletrainingdb.sql" under input folder.

You should observe that only CSV file is picked.

STEP 2

In this step, you will understand how to use file outbound endpoint   to write files.

1) Create a new configuration file with name "fileoutboundendpointdemo" .

2)Drag a Http Listener and configure it to listen on http://localhost:8081/writefile

3)Drag a file Connector after Http Endpoint and configure output path as "c:\mule\writeto" .

4) Give the FileName/Pattern as #[**message**.inboundProperties.'http.query.params'.filename]

5) Deploy the application and make a POST request   to
http://localhost:8081/writefile?filename=sales.csv   using post man

Give the request body as "Hello"

Observe that a file with name sales.csv is created with Hello as its content.

Make Another POST Request to same URL. Is the file content overwritten or appended ?

Can you configure the file connector such that the output is appended? (See the videos once again if you cannot make it)

This is the end of the Exercise