# Custom Processor

## Perquisite

1. Maven 3.3.x or later
2. Java-8 or later

## Creating maven archetype

Step 1: Create a directory where you want to create a custom processor project say **E:\CustomProcessor**

Step 2: Run the following command in command prompt on the created directory

**mvn archetype:generate**

Step 3: You will be asked for more parameters while generating archetype,

Choose a number or apply filter (format: [groupId:]artifactId, case sensitive contains): 990: **nifi**

Choose archetype:

1: remote -> org.apache.nifi:nifi-processor-bundle-archetype (-)

2: remote -> org.apache.nifi:nifi-service-bundle-archetype (-)

Choose a number or apply filter (format: [groupId:]artifactId, case sensitive contains): : **1**

Choose org.apache.nifi:nifi-processor-bundle-archetype version:

1: 0.0.2-incubating

2: 0.1.0-incubating

3: 0.2.0-incubating

4: 0.2.1

5: 0.3.0

6: 0.4.0

7: 0.4.1

8: 0.5.0

9: 0.5.1

10: 0.6.0

11: 0.6.1

12: 0.7.0

13: 0.7.1

14: 0.7.2

15: 0.7.3

16: 0.7.4

17: 1.0.0-BETA

18: 1.0.0

19: 1.0.1

20: 1.1.0

21: 1.1.1

22: 1.1.2

23: 1.2.0

24: 1.3.0

          Choose a number: 9: **21**

          Define value for property 'groupId': : **org.apache.nifi**

          Define value for property 'artifactId': : **convertcase**

          Define value for property 'version':  1.0-SNAPSHOT: : **1.1.1**

          Define value for property 'artifactBaseName': : **custom**

          Define value for property 'package':  org.apache.nifi.processors.custom: :

          [INFO] Using property: nifiVersion = 1.1.1

          Confirm properties configuration:

          groupId: org.apache.nifi

          artifactId: convertcase

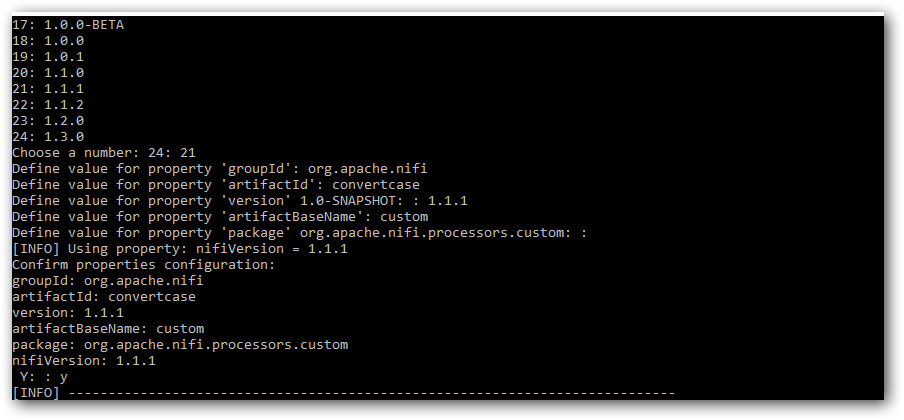
          version: 1.1.1

          artifactBaseName: custom

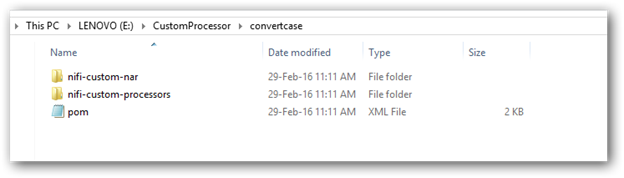
          package: org.apache.nifi.processors.custom

          nifiVersion: 1.1.1

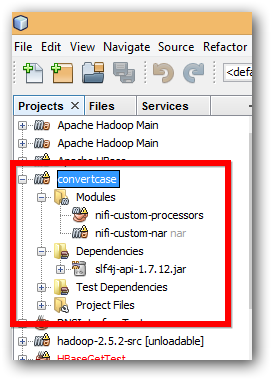
          Y: : **y**



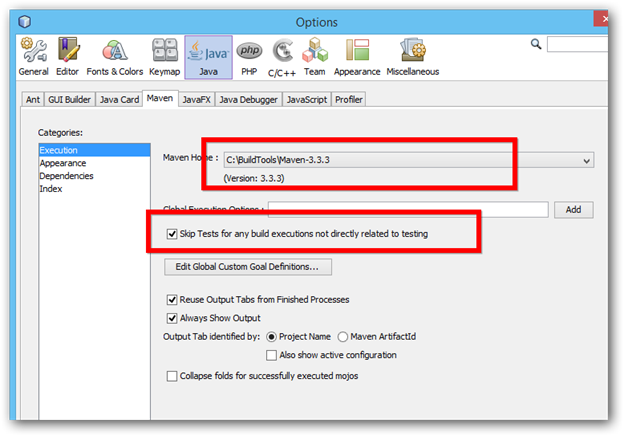
Step 4: Now you can find the project files under **E:\CustomProcessor\convertcase**



Step 5: Open the project in NetBeans or Eclipse



Step 6: Change Maven Home in NetBeans, Open tools->options->Java->Maven and do as following

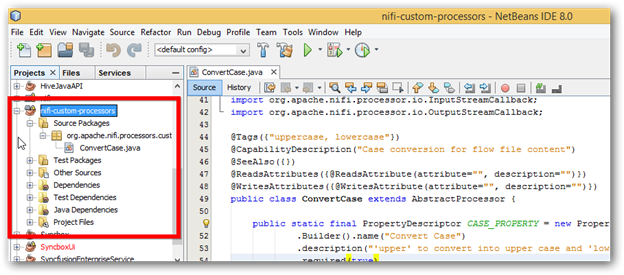


Step 7: You can see two modules in that,

           a. nifi-custom-processors

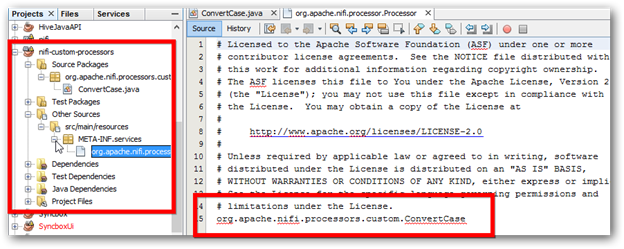
           b. nifi-custom-nar

Step 8: Open the nifi-custom-processors project

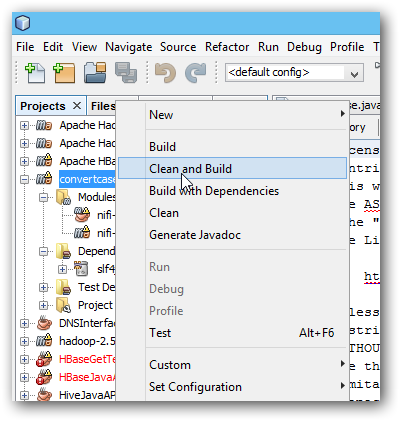


Step 9: You can find **MyProcessor.java**, Change the name as per your requirement.

Step 10: Change the same under nifi-custom-processors/Other Sources/src/main/resources/META-INF.services/org.apache.nifi.processor.Processor



Step 11: Now build the project to generate the required jar and nar file



Step 12: Once you build successfully, you can find the nar file under **E:\CustomProcessor\convertcase\nifi-custom-nar\target\** **nifi-custom-nar-1.1.1.nar**

Step 13: Copy the nar file into “/syncfusion\_location/SDK/NIFI/lib” and restart the Data Integration service.