



LAB- Using File Adapter

In this lab you will be understanding how to use Jms inbound channel adapter

In this lab, you will be working on **10fileadapter-splitter-start** project

Steps

We are expecting an xml file which contains orders to be present in **c:\orders**.

We want to poll for files in **c:\orders** directory after every 5 secs.

The xml file content has multiple orders. Want to split one single message into multiple messages whose payload is individual order

The we want to process each individual orders.

1) Configure a file inbound channel adapter as below :

```
<int-file:inbound-channel-adapter directory="c:/orders"
channel="xmlOrderschannel" >
    <int:poller fixed-rate="10000" />
</int-file:inbound-channel-adapter>
```

As this adapter is writing messages to xmlorderschannel, create it as below :

```
<int:channel id="xmlOrderschannel"/>
```

2) Now configure a splitter as shown below

```
<int-xml:xpath-splitter input-channel="xmlOrderschannel"
output-channel="xmlOrderchannel">
    <int-xml:xpath-expression expression="//order" />
</int-xml:xpath-splitter>
```

As this splitter is writing messages to xmlordeschannel, create it as below :

```
<int:channel id="xmlOrderchannel"/>
```



3) Now Configure unmarshalling transformer as below :

```
<int-xml:unmarshalling-transformer input-channel="xmlOrderchannel"
  output-channel="orderschannel" unmarshaller="jxb2marshaller" />
```

Jaxb2Marshaller is already configured for you.

As this transformer is writing messages to orderschannel, create it as below :

```
<int:channel id="orderschannel"/>
```

4) We have already configured a service activator which processes the orders.

Run Test.java and observe the console. You should see the orders are processed.

Congratulations !! You know how to use File Adapters and xml splitters