

Coding Exercise

Software Requirement

Create a solution that consumes IBT (internet based terms, xml) messages, processes it, and forwards it to any partner interested in the event. When we receive an IBT message, write the EventType (IBTUpload/IBTTermSheet/Events/Event/EventType) together with the current timestamp to a database.

At the moment we are aware of Partner A and B (see requirements below). We expect that other partners will join in the near future, with different requirements regarding message schema and/or protocol. We will also enhance the application in a later version to not only save the EventType, but most of the data to our database.

We expect that the number of messages we need to process will drastically increase till end of the year.

Partner A

Partner A wants to get a Mail with the following information in the mail body:

- ProductNameFull
- IBTTypeCode
- EventType
- ISIN

Partner B

Partner B wants to get the following XML, but only if EventType is 9097:

```
<InstrumentNotification>  
    <Timespan>{ Current Timestamp }</Timespan>  
    <ISIN>{ISIN of the product, IdSchemeCode = "-I"}</ISIN>  
</InstrumentNotification>
```

You can save the file on the local disc. Both fields are required – please ensure that you only save the file if the values are set.

Technology

- .NET / C#

Tools

- Feel free to use any 3rd party libraries to accomplish the task. We expect you to explain why you have chosen a certain library.

Remarks

- There is no need to set up a database. It's enough to show the code that you would use to insert the data into the database.
- For this exercise, you can load the incoming IBT message from a local path, but expect this to change in the near future.
- Please push the code to a code hosting platform and share the details with us