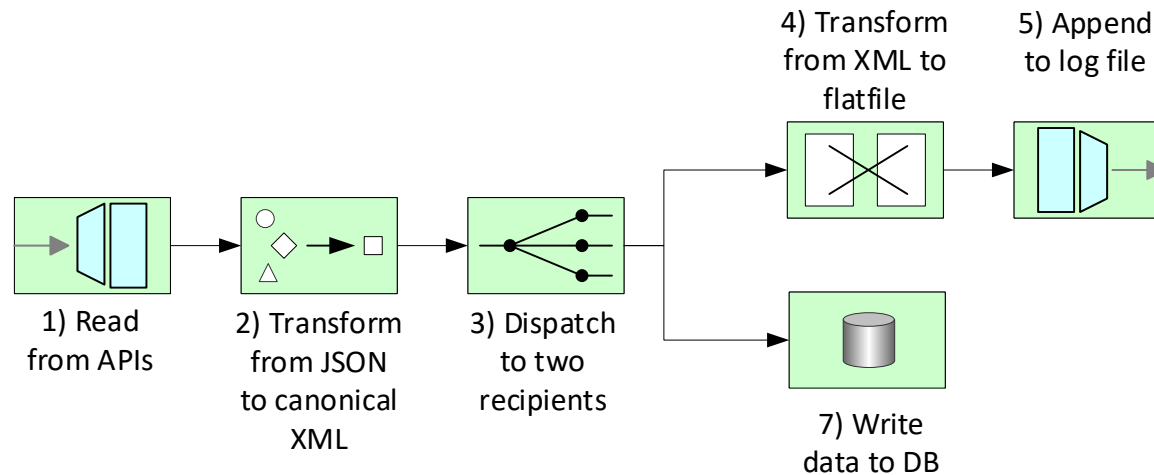


integreral!

Reference Case



Use java to solve this exercise. You can use any java lib you like.

The user interface is not of importance!

Prepare to explain your solution and the choices of libraries/frameworks

- 1) Read Data from APIs with a configurable frequency (hour, day week)
 - a. Read API with configurabe station and period=**latest_hour**
 - b. Read three times for parameter 1 (temp),3 (direction) and 4 (speed)
 - c. json data per parameter (see data.json):
- 2) Map from above to specified canonical XML. (see weather_data.xsd and data.xml)
- 3) Same message to two recipients
- 4) Transform xml to flat file format:
`[timestamp],[station_name],[temp],[wind_direction],[wind_speed].`
- 5) Append line to configurable flat file (see data.txt)
- 6) Write data to DB of you choice. One table with at least the following row info:
`station_id, timestamp, temp, direction, speed`