Aviva AEM exercise

# Currency conversion service

## Objective

The MyCompany website has several components that need to display product pricing information in several currencies (GBP, USD, EUR). The components use data from the product page which holds the GBP price only. Due to the number of products on file, it’s not practical to batch update the JCR every day so a separate conversion factor will be stored for each currency. The final value will be calculated at render time.

## Solution design

* Build a Sling Servlet that accepts two mandatory request parameters:
* Price - a number with up to 2 decimal places of precision
* Currencies – one or more currencies to return values for (use ISO-4217 format).
* The Servlet should return currency values as JSON in this format:  
  {  
      “EUR”: {  
          “name”: “Euro”,  
          “price”: “XXXXX.xx”  
      },  
      “USD”: {  
          “name”: “United States Dollar”,  
          “price”: “XXXXX.xx”  
      }  
  }
* Assume currencies are stored in /etc/currencies/[ISO-4217 code]. The currency name and its conversion factor from GBP should be the only properties.
* The solution should allow for more currencies to be added in future without changing the implementation.
* Build using an interface to simplify migration to a different solution in the future.