**IBM Business Validator**

**About:**

IBM Business Validator is a restful web service developed on J2EE for validating xml files used for business transactions.

**Views:**

It has 4 Views.

1. Login Page:

The login page is enabled with LDAP security. Only employees with w3id can login to use the web service. There is an option for forgot password which will redirect the user to the standard forgot password page of IBM forgot password.

1. Overview:

Contains information about the web service.

1. Dashboard:

The dashboard consists of a navigation bar that enables you to navigate across the web service. Since the webservice is in its earlier phase, it has only an Overview tab, the Dashboard, Analytics (Disabled on dashboard and overview tabs) and logout tab. The Dashboard consists of a form where you can choose the rule from the drop-down list and upload your file/zip against that rule.

1. Analytics

The Analytics tab visualizes the validation of the file/zip against the rule. User can see where the file succeeded/failed/had warnings on a bar chart. The Analytics page has an option for downloading the results. The results will be downloaded as a zip file and will contain a report generated after validation.

**Developer’s Config:**

JRE Version: 1.8.0\_201 or above

JDK Version: 1.8.0\_111 or above

OS: Windows 10 32-bit

IDE: Eclipse Java 2018-12

Database: File System

**Note:**

Kindly change the path on all the java/jsp files where the location is required for storing the data. This is where the files will be stored on your system. The current config is based on my PC. A REST-api has also been made for the same.

**Adding a new rule:**

1. Go to **IBM\_Business\_Validator> WebContent> dashboard.jsp.**
2. Under it, search for **form** tag> option tag. Write your new rule in **<option value = ”**RuleName**”>** Rule Name **</option>.** Tap CTRL+S.
3. Go to **Java Resources> com.ibm.validation> PEPPOL\_BUSINESS\_VALIDATOR.java**
4. Look for **props.setProperty**  and add the key value pair for the added rule. Tap CTRL+S.

**REST-API:**

The REST-API is developed using **SpringBoot**  and a small application is implemented using it on Javascript.

**Runnning SpringBoot:**

Go to **src/main/java > com.ibm.rest>** Right click on **IBMBusinessValidatorApplication.java> Run as > Java Application.**

You can test the app on Postman. Make sure the Content-type option is not enabled and you are making a POST call.

You can also check the Application running on localhost:8080.

**Note:**

Make sure you change the path in com.ibm.rest.validation package.

For storing the files change the path in application.properties file under src/main/resources> static folder.

Change the like this: file.upload-dir= \*\*your path\*\*