

EFSA Message Creator - Programmer Notes

The EFSA Message Creator is a single application compiled into three different instances, each one using the schema of its respective domain:

1. Chemicals
2. Veterinary
3. Pesticides

You may compile each one of these versions by first selecting the desired configuration in the Configuration Manager. The following configurations are available:

- Debug_Chemicals
- Debug_Veterinary
- Debug_Pesticides
- Release_Chemicals
- Release_Veterinary
- Release_Pesticides

Each configuration uses an EFSA schema and a mapping file. For example, Veterinary uses:

- Schema: VMPR_WF2_schema.xsd
- Mapping File: ElementMappingVeterinary.xml

The Element Mapping file enables you to specify the mapping of a specific column in your data file to a specific XML element as specified by the EFSA schema.

As EFSA periodically updates the schema of each domain, you may need to replace the old schema with the new one. To change the schema, you may follow the following process:

1. Copy the new XSD file in the project directory (e.g. \Veterinary\Veterinary) next to the existing XSD file
2. Open “Developer Command Prompt” from the Visual Studio folder in Windows Menu
3. In the command line, change to the project directory (mentioned above)
4. In the command line enter:
`xsd /n:EFSAMessageCreator_Veterinary /c XYZ.xsd`
where XYZ.xsd is the file name of your schema.
For example:
`xsd /n:EFSAMessageCreator /c Chemicals_XSD_20180405.xsd`
5. A code file with the same name as the schema and a .cs extension will be created in the same directory
6. In Solution Explorer delete the old Schema file

7. In Solution Explorer add the new Schema file (Right-click, Add, Existing Item)
8. In Solution Explorer display the properties of the new Schema file and change Build Action to "Embedded Resource"
9. In App.xaml.cs change the value of the Schema variable to the name of the new Schema file.
For example:

```
public static String Schema = "Chemicals_XSD_20180405.xsd";
```
10. Compile and run

If you have any questions, you may contact:

Demetrios Ioannides, PhD
dvi1@columbia.edu