

e-Me

Prototype – Producer Services



1 Producer Services

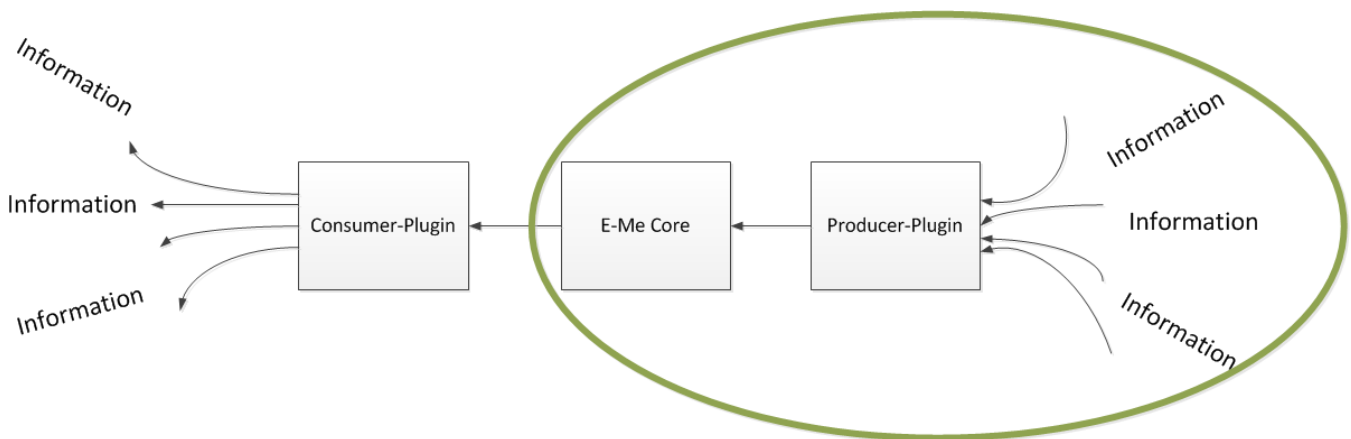
1.1 What is a Producer service?

A producer service is a plugin. This plugin is responsible of getting information and returning it to e-Me Core. A producer plugin targets a single source. This can be anything from getting updates from twitter to reading an rss-feed.

The producer plugin is started by e-Me Core and is provided with information, this information is submitted by the user, but the plugin has beforehand decided what this information is.

Once the producer plugin has gotten the information from its provider, the collections of data are returned to e-Me Core. That way Core can store the data in the database for later use. The plugin is also responsible of returning a result state. This state can be either Successful or Failed.

The image bellow illustrates the Producer plugin, highlighted with a green ellipse.



1.2 Producer service architecture

A producer plugin is a Java Web Archive or WAR. This war is built using Maven, a technique commonly used to manage dependencies with libraries and projects. This way we have set up a maven repository that enables automatic download of the dependencies for the project without any manual interference. And the developer does not need any external code or resources to create the plugin.

1.3 Software

Some of the techniques and libraries used in Producer plugins are:

- Java
- Maven
- Tuckey urlrewritefilter
- Spring framework
- JBoss
- JUnit

1.4 Dependencies

All plugins are dependent on e-Me Core. When a developer downloads the plugin template and builds it, it automatically downloads parts of e-Me core that it needs to run. This is done to make sure that the plugin follows the forms of data and communication that e-Me Core uses. (This is only for the communication between Core and the plugin)