1 Instance and Label Generators via patterns

Instance and label generators defined in the generator-policy.xml file using patterns:

1.1 SimpleLabel

Definition in the Generator Policy file:

Usage in the X3ML file:

1.2 LocalTermURI

This generator has three arguments, a prefix, a hierarchy and a term. The prefix is a namespace that must be declared in the X3ML definition. The hierarchy and the term can be either constants or variables.

Definition in the Generator Policy file:

Usage in the X3ML file:

1.3 LocalObjectURI

Definition in the Generator Policy file:

Usage in the X3ML file:

Similarly other generators can be defined in the generator policy file.

2 Custom Instance Generators (via code)

2.1 UUID

This function creates a UUID. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

Usage in the X3ML file:

<instance_generator name="UUID"/>

2.1 Literal

This function creates a Literal. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

Usage in the X3ML file:

2.1 URIOrUUID

This function checks the argument "text" and if it is a valid URI it copies it to the rdf output otherwise it creates a UUID.

Definition in the Generator Policy file:

Usage in the X3ML file:

2.1 Dates

Currently the two functions GermanDateTime and BMdates are the same.

Definition in the Generator Policy file:

```
<set-arg name="bound" type="constant"/>
                      <set-arg name="text"/>
              </custom>
       </generator>
Definition in the Generator Policy file:
       <generator name="BMdates">
              <custom generatorClass="gr.forth.GermanDate">
                      <set-arg name="bound" type="constant"/>
                      <set-arg name="text"/>
              </custom>
       </generator>
Usage in the X3ML file:
       <instance_generator name="BMdates">
              <arg name="bound">Upper</arg>
              <arg name="text">text()</arg>
       </instance_generator>
       <instance_generator name="GermanDateTime">
              <arg name="bound">Lower</arg>
              <arg name="text">text()</arg>
```

</instance_generator>