

Mulgara - Feature #153

Nodetype resolver should allow access to datatypes

10/17/2008 01:35 AM - Paula Gearon

Status:	New	Start date:	
Priority:	High	Due date:	
Assignee:	Paula Gearon	% Done:	0%
Category:	Mulgara	Estimated time:	0.00 hour
Target version:			
Resolution:			

Description

Need to provide access to datatypes in constraints. This will need to be done with a resolver - probably the nodetype resolver.

Once done, the following TQL query should be possible:

```
select $x
from <some:graph>
where $x <some:property> $value
      and $value <rdf:type> <xsd:integer> in <sys:type>
```

In SPARQL, this will be:

```
prefix some: <http://some.domain.com/>
prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
prefix xsd: <http://www.w3.org/2001/XMLSchema#>
```

```
select $x
from <urn:some:graph>
where {
  $x some:property $value .
  GRAPH <sys:type> { $value <rdf:type> <xsd:integer> }
}
```

This will be the equivalent (though more efficient) to the query:

```
prefix some: <http://some.domain.com/>
prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
prefix xsd: <http://www.w3.org/2001/XMLSchema#>
```

```
select $x
from <urn:some:graph>
where {
  $x some:property $value
  FILTER (datatype($value) = xsd:integer)
}
```