

## Runtime Infrastructure - Feature #2316

### improve directory XML encoding

06/03/2014 06:07 PM - Greg Shah

<b>Status:</b> New	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	<b>vendor_id:</b> GCD
<b>billable:</b> No	
<b>Description</b>	
<b>Related issues:</b>	
Related to Runtime Infrastructure - Feature #1842: implement the multi-source... <b>New</b>	

### History

#### #1 - 06/03/2014 06:09 PM - Greg Shah

----- Original Message -----

Subject: directory.xml - an idea to the backlog  
Date: Tue, 03 Jun 2014 22:16:09 +0200  
From: Hynek Cihlar <[hc@goldencode.com](mailto:hc@goldencode.com)>  
To: Greg Shah <[ges@goldencode.com](mailto:ges@goldencode.com)>  
CC: Eric Faulhaber <[ecf@goldencode.com](mailto:ecf@goldencode.com)>

Hi Greg,

here is an idea to make directory.xml more readable.

Instead of this:

```
<remapper-storage>
<node class="container" name="">
<node class="container" name="security">
<node class="container" name="audit">
<node class="boolean" name="enabled">
<node-attribute name="value" value="FALSE"/>
</node>
<node class="string" name="logfile">
<node-attribute name="value" value="./audit%g-%u.log"/>
</node>
<node class="integer" name="logsize">
<node-attribute name="value" value="8096"/>
</node>
<node class="integer" name="logcount">
<node-attribute name="value" value="3"/>
</node>
<node class="boolean" name="filtermode">
<node-attribute name="value" value="FALSE"/>
</node>
<node class="container" name="resources">
<node class="auditResource" name="10">
<node-attribute name="type" value="system"/>
<node-attribute name="instances" value="context"/>
</node>
</node>
</node>
```

do this:

```
<remapper-storage>
<container name="">
<container name="security">
<container name="audit">
<boolean name="enabled" value="FALSE"/>
<string name="logfile" value="./audit%g-%u.log"/>
```

```
<integer name="logsize" value="8096"/>
<integer name="logcount" value="3"/>
<boolean name="filtermode" value="FALSE"/>
<container name="resources">
  <node class="auditResource" name="10">
    <attribute name="type" value="system"/>
    <attribute name="instances" value="context"/>
  </node>
</container>
</container>
```

Hynek

## #2 - 10/07/2019 06:21 AM - Greg Shah

Please see #4340-4 for additional ideas on syntax improvements.

## #4 - 10/07/2019 06:22 AM - Greg Shah

- Related to Feature #1842: implement the multi-source directory approach added

## #5 - 03/24/2021 08:02 AM - Greg Shah

Ideas from Igor:

I think that the current syntax of the directory.xml file is very verbose. For example the node:

```
<node class="container" name="default">
  <node class="integer" name="windowingYear">
    <node-attribute name="value" value="1950"/>
  </node>
  <node class="string" name="userSecurityOpsClass">
    <node-attribute name="value" value="com.goldencode.p2j.util.MetadataSecurityOps"/>
  </node>
  ...
</node>
```

Can be just:

```
<default>
  <windowingYear value=1950/>
<userSecurityOpsClass="com.goldencode.p2j.util.MetadataSecurityOps"/>
  ...
</default>
```

which looks more compact and more close to the syntax of theclient.xml file.

In addition the second version can be automatically validated by the XML parser using schema which can also contain default values and validation rules.

The conversion of the current syntax to another one can be done with a simple utility.

It seems also that it is better not to re-write the directory.xml file on every server start but keep this changing data in a separate file which allows adding user comments that will survive the restart.