Infrastructure - Story #1619
Revise AccessPolicy and AccessRule
2011-06-06 15:50 - Dave Vieglais

Status: Closed
Priority: Normal
Assignee: Dave Vieglais
Category: Authentication, Authorization
Target version: Sprint-2011.23-Block.3
Story Points:

Description

Subtasks:
Task # 1620: Obtain consensus for proposed change
Task # 1621: setAccessPolicy and setAccess appear to duplicate the same functionality.

History
#1 - 2011-06-06 15:55 - Dave Vieglais
The current definition of AccessPolicy and AccessRule is confusing as an AccessRule can have multiple subjects, permissions, and target resources, and a given object may have multiple AccessPolicies which contain multiple AccessRule instances.

Would like to redefine AccessRule to be:

```xml
<xs:complexType name="AccessRule">
  <xs:sequence>
    <xs:element name="subject" type="d1:Subject"
      minOccurs="1" maxOccurs="unbounded" />
    <xs:element name="permission" type="d1:Permission"
      minOccurs="1" maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

That is, removing the resource (since this is defined by the SystemMetadata containing the AccessPolicy that contains the AccessRule).

This enables a clear expression of the rules that apply to any given object, since the rules always apply to the containing system metadata document.

(note: previous description included a change to a single permission entry per access rule. This suggestion has been dropped so that a single AccessRule can for example state that Tom, Dick, and Harry have READ and WRITE access on some object)
#2 - 2011-06-06 15:57 - Dave Vieglais
- Assignee set to Dave Vieglais

#3 - 2011-06-06 16:15 - Dave Vieglais
- Category set to Authentication, Authorization

#4 - 2011-06-07 15:53 - Dave Vieglais
- Status changed from New to Closed

Closed with r3990.