

DataNode

Domain.xml Data Node

In Slide an [ObjectNode](#) exists for each User, Role, Action (and Collections?). These [ObjectNodes](#) are part of the Namespace. The entries below configure [ObjectNodes](#) according to paths (uri) and what class implementation to utilize.

This <data> section is loaded when Slide first starts and provides a way to initialize Stores. After Slide has started all sections of the repository can be manipulated through WebDAV or directly through the server API.

```
<data>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/">
    <!-- Subject can be:
      any user      "all"
      authenticated user  "authenticated"
      unauthenticated user "unauthenticated"
      self          "self"
      owner of resource  "owner"
      a user         "/users/john"
      a role         "/roles/admin"
    -->
    <permission action="all" subject="/roles/root" inheritable="true"/>
    <permission action="/actions/read-acl" subject="all" inheritable="true" negative="true"/>
    <permission action="/actions/write-acl" subject="all" inheritable="true" negative="true"/>
    <permission action="/actions/unlock" subject="all" inheritable="true" negative="true"/>
    <permission action="/actions/read" subject="all" inheritable="true"/>
    <!-- /users -->
    <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users">
      ...
    </objectnode>
    <!-- /roles -->
    <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/roles">
      ...
    </objectnode>
    <!-- action -->
    <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions">
      ...
    </objectnode>
    <!-- collections -->
    <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/files">
      ...
    </objectnode>
  </objectnode>
</data>
```

Users

Slide populates the initial users from this section of the domain.xml file. See [Creating Users](#) for instructions to add users at runtime. See [Principal Properties](#) of the [WebDAV ACL](#) specification for more information on users.

```

<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users">
  <permission action="all" subject="self" inheritable="true"/>
  <permission action="all" subject="/roles/projector" inheritable="true"/>
  <permission action="all" subject="unauthenticated" inheritable="true" negative="true"/>
  <!-- /users/root represents the administrator -->
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users/root">
    <revision>
      <property namespace="http://jakarta.apache.org/slide/" name="password">root</property>
    </revision>
  </objectnode>
  <!-- /users/john and /users/john2 represent authenticated users -->
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users/john">
    <revision>
      <property namespace="http://jakarta.apache.org/slide/" name="password">john</property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users/john2">
    <revision>
      <property namespace="http://jakarta.apache.org/slide/" name="password">john2</property>
    </revision>
  </objectnode>
  <!-- /users/guest represents an authenticated or unauthenticated guest user -->
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users/guest">
    <revision>
      <property namespace="http://jakarta.apache.org/slide/" name="password">guest</property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/users/projector">
    <revision>
      <property namespace="http://jakarta.apache.org/slide/" name="password">projector</property>
    </revision>
  </objectnode>
</objectnode>

```

Revision

```

<revision>
  <property namespace="http://jakarta.apache.org/slide/" name="password">root</property>
</revision>

```

The above example defines passwords for each user.

Roles

These are the initial Roles available in Slide. The most important role here is /roles/root, since this role is given write permissions over the entire repository by default.

```

<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/roles">
  <permission action="all" subject="self" inheritable="true"/>
  <permission action="all" subject="/roles/projector" inheritable="true"/>
  <permission action="all" subject="unauthenticated" inheritable="true" negative="true"/>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/roles/root">
    <revision>
      <property name="group-member-set"><![CDATA[<D:href xmlns:D='DAV:'>/users/root</D:href>]]></property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/roles/user">
    <revision>
      <property name="group-member-set">
        <![CDATA[<D:href xmlns:D='DAV:'>/users/john</D:href>
          <D:href xmlns:D='DAV:'>/users/john2</D:href>
          <D:href xmlns:D='DAV:'>/users/root</D:href>
          <D:href xmlns:D='DAV:'>/users/projector</D:href>]]>
      </property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/roles/guest">
    <revision>
      <property name="group-member-set"><![CDATA[<D:href xmlns:D='DAV:'>/users/guest</D:href>]]><
/property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/roles/projector">
    <revision>
      <property name="group-member-set">
        <![CDATA[<D:href xmlns:D='DAV:'>/users/root</D:href>
          <D:href xmlns:D='DAV:'>/users/projector</D:href>]]>
      </property>
    </revision>
  </objectnode>
</objectnode>

```

Actions

These are the WebDAV [Privileges](#) that Slide's default security implementation understands.

```

<objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions">
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/read">
    <revision>
      <property name="privilege-member-set">
        <![CDATA[<D:href xmlns:D='DAV:'>/actions/read-acl</D:href>
          <D:href xmlns:D='DAV:'>/actions/read-current-user-privilege-set</D:href]]>
      </property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/read-acl">
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/read-current-user-privilege-set"
>
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/write">
    <revision>
      <property name="privilege-member-set">
        <![CDATA[<D:href xmlns:D='DAV:'>/actions/write-acl</D:href>
          <D:href xmlns:D='DAV:'>/actions/write-properties</D:href>
          <D:href xmlns:D='DAV:'>/actions/write-content</D:href]]>
      </property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/write-acl">
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/write-properties">
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/write-content">
    <revision>
      <property name="privilege-member-set">
        <![CDATA[<D:href xmlns:D='DAV:'>/actions/bind</D:href> <D:href xmlns:D='DAV:'>/actions/unbind<
/D:href]]>
      </property>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/bind">
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/unbind">
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
  <objectnode classname="org.apache.slide.structure.ActionNode" uri="/actions/unlock">
    <revision>
      <property name="privilege-member-set"/>
    </revision>
  </objectnode>
</objectnode>

```

Collections?

This section defines resource collections (aka directories)

```

<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/files">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/user" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
</objectnode>
<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/projector">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/projector" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/projector/work">
    </objectnode>
  </objectnode>
<!-- DeltaV: default history and workspace paths -->
<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/history">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/user" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
</objectnode>
<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/workspace">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/user" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
</objectnode>
<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/workingresource">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/user" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
</objectnode>

```

Collection Details

```

<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/files">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/user" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
</objectnode>

```

Just like other objectnodes, each resource collection is associated to a class and uri.

Within each one, a set of permissions are defined which sets both access and permissible actions which were defined earlier in this file (see above).

```

<objectnode classname="org.apache.slide.structure.SubjectNode" uri="/projector">
  <permission action="all" subject="unauthenticated" inheritable="true"/>
  <permission action="/actions/write" subject="/roles/projector" inheritable="true"/>
  <permission action="/actions/read-acl" subject="owner" inheritable="true"/>
  <objectnode classname="org.apache.slide.structure.SubjectNode" uri="/projector/work">
    </objectnode>
  </objectnode>
</objectnode>

```

You can even define a resource collection within another resource collection as shown above.