

PrincipalNameIdentifierMapping

Class PrincipalNameIdentifierMapping

This class is an implementation of interface [NameIdentifierMapping](#):

```
package edu.internet2.middleware.shibboleth.common.provider;  
public class PrincipalNameIdentifierMapping extends GridShibBaseNameIdentifierMapping;
```

Class `PrincipalNameIdentifierMapping` is a general implementation of SAML 1.1 name identifiers. The implementation fully supports the following name identifier formats:

- `urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified`
- `urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress`
- `urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName`

The format

- `urn:oasis:names:tc:SAML:1.1:nameid-format:WindowsQualifiedDomainName`

is only partially supported (since there is no handler for this format).

To configure the use of this implementation, an IdP would insert a suitably configured `NameMapping` element into its config file (`idp.xml`):

```
<!-- unspecified configuration -->  
<NameMapping  
  xmlns="urn:mace:shibboleth:namemapper:1.0"  
  id="unspecified"  
  format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified"  
  template="%PRINCIPAL%"  
  regex="(.)"  
  qualifier="https://idp.example.org/shibboleth"  
  class="edu.internet2.middleware.shibboleth.common.provider.PrincipalNameIdentifierMapping"/>  
  
<!-- emailAddress configuration -->  
<NameMapping  
  xmlns="urn:mace:shibboleth:namemapper:1.0"  
  id="email"  
  format="urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress"  
  template="%PRINCIPAL%@example.org"  
  regex="([^\s@]+)@"  
  qualifier="https://idp.example.org/shibboleth"  
  class="edu.internet2.middleware.shibboleth.common.provider.PrincipalNameIdentifierMapping"/>  
  
<!-- X509SubjectName configuration -->  
<NameMapping  
  xmlns="urn:mace:shibboleth:namemapper:1.0"  
  id="x509"  
  format="urn:oasis:names:tc:SAML:1.1:nameid-format:X509SubjectName"  
  template="uid=%PRINCIPAL%,o=example.org"  
  regex="uid=([^\s,/]*)" "  
  qualifier="https://idp.example.org/shibboleth"  
  class="edu.internet2.middleware.shibboleth.common.provider.PrincipalNameIdentifierMapping"/>
```

All attributes of the `NameMapping` element except the `qualifier` attribute are required. If the latter is omitted, it defaults to the IdP `providerId`.