

# PrincipalNameIdentifier

The PrincipalNameIdentifier mapping is the simplest and most straightforward NameIdentifierMapping of all. The idea is to embed the local principal name directly in the NameIdentifier element:

```
<saml:Subject
  xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion">
  <saml:NameIdentifier
    Format="urn-x:test:NameIdFormat1"
    NameQualifier="https://idp.example.org/shibboleth">
    netid
  </saml:NameIdentifier>
</saml:Subject>
```

Obviously, the PrincipalNameIdentifier mapping provides no privacy whatsoever.

To configure an IdentityProvider to use PrincipalNameIdentifier, insert the following NameMapping element into the IdP config file (idp.xml):

```
<!-- PrincipalNameIdentifier configuration (test) -->
<NameMapping
  xmlns="urn:mace:shibboleth:namemapper:1.0"
  id="..."
  format="urn-x:test:NameIdFormat1"
  type="Principal" />
```

The `id` attribute is a unique identifier for this NameMapping element in the config file. The `format` attribute value is wholly contrived, so PrincipalNameIdentifier is of little use except for testing purposes.

Note: The GridShib.EmailAddressNameIdentifierMapping is functionally equivalent to the PrincipalNameIdentifier mapping *plus* it is an implementation of a standard SAML NameIdentifierFormat.