Overview

d.eduPersonPrincipalName (eppn) is a user identifier attribute defined in the eduPerson LDAP object class. It is a scoped identifier for a person. As this identifier is often used by humans to identify the person it represents, ePPN values are often, but not required to be, human-friendly, and may change as a result of various business processes.

<table>
<thead>
<tr>
<th>OID</th>
<th>1.3.6.1.4.1.5923.1.1.1.6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDAP Syntax</td>
<td>Directory String</td>
</tr>
<tr>
<td># of Values</td>
<td>multi-valued</td>
</tr>
<tr>
<td>References</td>
<td>eduPerson</td>
</tr>
</tbody>
</table>

Use in the InCommon Federation

eppn is supported in the InCommon Federation. It is widely used in InCommon as well as in global R&E federations.

eppn satisfies the REFEDS Research & Scholarship (R&S) entity category's requirement for a shared user identifier if it is non-assigned. If an eppn can be re-assigned, it must be sent along with eduPersonTargetedID to satisfy R&S's requirement for shared user identifier.

IMPORTANT: an eppn is not an email address.

While an eppn's format appears similar to that of an email address, implementors MUST NOT assume that an eppn is a routable email address. If a service requires a user's email address, it MUST request it via a separate mail attribute.

SAML Response Example

```xml
<rsmlp:Response xmlns:rsmlp="urn:oasis:names:tc:SAML:2.0:protocol"
    xmlns:rsmlp="urn:oasis:names:tc:SAML:2.0:assertion"
    ID="..." Version="2.0" IssueInstant="2020-07-17T01:01:48Z"
    Destination="...." InResponseTo="...">
    ...
    <rsmlp:Assertion ...
    ...
    <rsmlp:AttributeStatement>
       <rsmlp:Attribute xmlns:x500="urn:oasis:names:tc:SAML:2.0:profiles:attribute:X500"
            NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri"
            Name="urn:oid:1.3.6.1.4.1.5923.1.1.1.6"
            FriendlyName="eduPersonPrincipalName"
            x500:Encoding="LDAP">
           <rsmlp:AttributeValue xsi:type="xsd:string">mjc@example.edu</rsmlp:AttributeValue>
        </rsmlp:Attribute>
    </rsmlp:AttributeStatement>
    </saml:Assertion>
</rsmlp:Response>
```
See Also

- eduPersonTargetedID
- user-atr-eppn
- SAML General Purpose Subject Identifier (subject-id)
- SAML Pairwise Subject Identifier (pairwise-id)
- Understanding Federated User Identifiers