

user-attr-eppn

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Overview

`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.

OID	1.3.6.1.4.1.5923.1.1.1.6
LDAP Syntax	Directory String
# of Values	multi-valued
References	eduPerson

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

```
<samlp:Response xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol"
  xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion"
  ID="..." Version="2.0" IssueInstant="2020-07-17T01:01:48Z"
  Destination="..." InResponseTo="...">
  ...
  <saml:Assertion ...>
  ...
    <saml:AttributeStatement>
      <saml: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">
          <saml:AttributeValue xsi:type="xsd:string">mjc@example.edu</saml:
AttributeValue>
        </saml:Attribute>
      ...
    </saml:AttributeStatement>
  </saml:Assertion>
</samlp:Response>
```

Working with user data

- [Handling User Data Exchange in SAML](#)
- [Getting user data to manage access control](#)
- [Additional user data handling recommendations](#)
- [Person characteristics and contact information](#)
- [givenName](#)
- [eduPersonAffiliation](#)
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- [eduPersonScopedAffiliation](#)
- [eduPersonEntitlement](#)
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- [An Introduction to User Data](#)
- [R&S Explained in Plain English](#)
- [Understanding Federated User Identifiers](#)
- [Why is email address not an appropriate user identifier?](#)
- [Why is eduPersonTargetedID deprecated?](#)

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See Also

- [eduPersonTargetedID](#)
- [user-attr-eppn](#)
- [SAML General Purpose Subject Identifier \(subject-id\)](#)
- [SAML Pairwise Subject Identifier \(pairwise-id\)](#)
- [Understanding Federated User Identifiers](#)