

TRACCIATI DI ESEMPIO

AVVERTENZE

Gli esempi riportati in questo documento derivano dall'esperienza del sistema GFID Gestione Federata delle Identità Digitali vigente in SPC da cui, dal punto di vista tecnologico, SPID discende direttamente. Pertanto i contenuti in essi riportati sono da considerarsi esemplificativi ma non strettamente normativi.

ESEMPIO DI ASSERTIONE DI AUTENTICAZIONE

```
<?xml version="1.0"?>
- <saml:Assertion Version="2.0" IssueInstant="2008-03-11T18:30:55.640Z" ID="s29b7d3cd258e50b3e5e52c49075178ea55d3e2a09" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">"https://idp.cnipa.gov.it:9443/idp"</saml:Issuer>
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  - <saml:Subject xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
    <saml:NameID NameQualifier="https://idp.cnipa.gov.it/idp" Format="urn:oasis:names:tc:SAML:2.0:nameid-format:transient">4789ef0a0072149739147728fafcefd4</saml:NameID>
    - <saml:SubjectConfirmation Method="urn:oasis:names:tc:SAML:2.0:cm:bearer">
      <saml:SubjectConfirmationData Recipient="https://rp.cnipa.gov.it:3443/rp/AssertionConsumerService" NotOnOrAfter="2008-03-11T18:35:55.640Z" NotBefore="2008-03-11T18:30:55.640Z"
        InResponseTo="s2f746bd8767dfe1ead32731c2a761f71a49f5a4cc"/>
      </saml:SubjectConfirmation>
    </saml:Subject>
    <saml:Conditions xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" NotOnOrAfter="2008-03-11T18:35:55.640Z" NotBefore="2008-03-11T18:30:55.640Z"/>
  - <saml:AuthnStatement xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" AuthnInstant="2008-03-11T18:30:55.640Z">
    - <saml:AuthnContext>
      <saml:AuthnContextClassRef>urn:oasis:names:tc:SAML:2.0:ac:classes:secondoLivelloSpid</saml:AuthnContextClassRef>
    </saml:AuthnContext>
    </saml:AuthnStatement>
  - <saml:AttributeStatement xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
    - <saml:Attribute xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" Name="CognomeUtente">
      <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema">Rossi</saml:AttributeValue>
    </saml:Attribute>
    - <saml:Attribute xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" Name="EmailUtente">
      <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema">Rossi@gmail.com</saml:AttributeValue>
    </saml:Attribute>
    - <saml:Attribute xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" Name="CodiceFiscale">
      <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema">RSSNDR72A21K501S</saml:AttributeValue>
    </saml:Attribute>
    </saml:AttributeStatement>
  </saml:Assertion>
```

ESEMPIO DI AUTHNREQUEST

```
<?xml version="1.0" encoding="UTF-8"?>
- <samlp:AuthnRequest Version="2.0" ProtocolBinding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" IssueInstant="2008-03-11T18:04:15.531Z" IsPassive="false"
  ID="s271a3a6f1592559c0f7958ed2bb54b0cb66263bdc" ForceAuthn="false" Destination="https://idp.cnipa.gov.it:9443/idp/SSOService" AttributeConsumingServiceIndex="1"
  AssertionConsumerServiceURL="https://rp.cnipa.gov.it:3443/rp/AssertionConsumerService" xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">https://rp.cnipa.gov.it:3443/rp</saml:Issuer>
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  <samlp:NameIDPolicy AllowCreate="false" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:transient"/>
  - <samlp:RequestedAuthnContext Comparison="exact">
    <saml:AuthnContextClassRef xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">urn:oasis:names:tc:SAML:2.0:ac:classes:terzoLivelloSpid</saml:AuthnContextClassRef>
    <saml:AuthnContextClassRef xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">urn:oasis:names:tc:SAML:2.0:ac:classes:secondoLivelloSpid</saml:AuthnContextClassRef>
    <saml:AuthnContextClassRef xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">urn:oasis:names:tc:SAML:2.0:ac:classes:primoLivelloSpid</saml:AuthnContextClassRef>
  </samlp:RequestedAuthnContext>
  - <samlp:Scoping ProxyCount="0">
    <samlp:RequesterID>https://rp.cnipa.gov.it:3443/rp</samlp:RequesterID>
  </samlp:Scoping>
</samlp:AuthnRequest>
```

ESEMPIO DI RESPONSE (AUTHNREQUEST)

```
<?xml version="1.0" encoding="UTF-8"?>
- <samlp:Response Version="2.0" IssueInstant="2008-03-11T18:30:55.640Z" InResponseTo="s271a3a6f1592559c0f7958ed2bb54b0cb66263bdc" ID="s2ac7aaa73903777311080cb716dede7e6c405e0d0"
  Destination="https://rp.cnipa.gov.it:3443/rp/AssertionConsumerService" xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">https://idp.cnipa.gov.it:9443/idp</saml:Issuer>
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  - <samlp:Status>
    <samlp:StatusCode Value="urn:oasis:names:tc:SAML:2.0:status:Success"/>
  </samlp:Status>
  + <saml:Assertion Version="2.0" IssueInstant="2008-03-11T18:30:55.640Z" ID="s29b7d3cd258e50b3e5e52c49075178ea55d3e2a09" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
</samlp:Response>
```

ESEMPIO DI ASSERTZIONE AA

```
<?xml version="1.0"?>
- <saml:Assertion Version="2.0" IssueInstant="2008-03-11T21:34:14.515Z" ID="s2bd64563525823db91c2cf9f724b52a579d7fc4a3" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">https://aa.cnipa.gov.it:5443/aa</saml:Issuer>
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
- <saml:Subject xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  <saml:NameID NameQualifier="https://aa.cnipa.gov.it/aa" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified">CGNNMO50A01F205J</saml:NameID>
</saml:Subject>
  <saml:Conditions xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" NotOnOrAfter="2008-09-07T21:34:14.515Z" NotBefore="2008-03-11T21:34:14.515Z"/>
- <saml:AttributeStatement xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  - <saml:Attribute Name="lastname">
    <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:xs="http://www.w3.org/2001/XMLSchema">Cognome</saml:AttributeValue>
  </saml:Attribute>
  - <saml:Attribute Name="birthplace">
    <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema">Roma</saml:AttributeValue>
  </saml:Attribute>
  - <saml:Attribute Name="firstname">
    <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema">Nome</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
```

ESEMPIO DI ATTRIBUTEQUERY

```
<?xml version="1.0" encoding="UTF-8"?>
- <samlp:AttributeQuery Version="2.0" IssueInstant="2008-03-11T21:33:44.250Z" ID="s207e487be6a26e83e348110abf399756c19c7e462"
  Destination="https://aa.cnipa.gov.it:5443/aa/AttributeQueryHandlerServlet" xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">https://rp.cnipa.gov.it:3443/rp</saml:Issuer>
  - <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
    - <ds:SignedInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
      <ds:CanonicalizationMethod xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
      <ds:SignatureMethod xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>
      - <ds:Reference xmlns:ds="http://www.w3.org/2000/09/xmldsig#" URI="#s207e487be6a26e83e348110abf399756c19c7e462">
        - <ds:Transforms xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
          <ds:Transform xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
          - <ds:Transform xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
            <ec:InclusiveNamespaces PrefixList="ds saml samlp" xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#"/>
          </ds:Transform>
        </ds:Transforms>
        <ds:DigestMethod xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
        <ds:DigestValue xmlns:ds="http://www.w3.org/2000/09/xmldsig#">[DIGEST]</ds:DigestValue>
      </ds:Reference>
    </ds:SignedInfo>
    <ds:SignatureValue xmlns:ds="http://www.w3.org/2000/09/xmldsig#">[FIRMA]</ds:SignatureValue>
  - <ds:KeyInfo>
    - <ds:X509Data>
      <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
      <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
      <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
    </ds:X509Data>
  </ds:KeyInfo>
</ds:Signature>
- <saml:Subject xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  <saml:NameID NameQualifier="https://rp.cnipa.gov.it/rp" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified">CGNNMO50A01F205J</saml:NameID>
</saml:Subject>
<saml:Attribute xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" Name="lastname"/>
<saml:Attribute xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" Name="birthplace"/>
<saml:Attribute xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" Name="firstname"/>
</samlp:AttributeQuery>
```

ESEMPIO DI RESPONSE (ATTRIBUTEQUERY)

```
<?xml version="1.0" encoding="UTF-8"?>
- <samlp:Response Version="2.0" IssueInstant="2008-03-11T21:34:14.515Z" InResponseTo="s207e487be6a26e83e348110abf399756c19c7e462"
ID="s2e3b65bc518f37ef666554aaa3c1c51ae1a1d9abc" Destination="https://rp.cnipa.gov.it:3443/rp" xmlns:samlp="urn:oasis:names:tc:SAML:2.0:protocol">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">https://aa.cnipa.gov.it:5443/aa</saml:Issuer>
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
- <samlp:Status>
  <samlp:StatusCode Value="urn:oasis:names:tc:SAML:2.0:status:Success"/>
</samlp:Status>
- <saml:Assertion Version="2.0" IssueInstant="2008-03-11T21:34:14.515Z" ID="s2bd64563525823db91c2cf9f724b52a579d7fc4a3" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  <saml:Issuer xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">https://aa.cnipa.gov.it:5443/aa</saml:Issuer>
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
- <saml:Subject xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  <saml:NameID NameQualifier="https://aa.cnipa.gov.it/aa" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified">CGNNMO50A01F205J</saml:NameID>
</saml:Subject>
  <saml:Conditions xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" NotOnOrAfter="2008-09-07T21:34:14.515Z" NotBefore="2008-03-11T21:34:14.515Z"/>
- <saml:AttributeStatement xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion">
  - <saml:Attribute Name="lastname">
    <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xs="http://www.w3.org/2001/XMLSchema">Cognome</saml:AttributeValue>
  </saml:Attribute>
  - <saml:Attribute Name="birthplace">
    <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xs="http://www.w3.org/2001/XMLSchema">Roma</saml:AttributeValue>
  </saml:Attribute>
  - <saml:Attribute Name="firstname">
    <saml:AttributeValue xsi:type="xs:string" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:xs="http://www.w3.org/2001/XMLSchema">Nome</saml:AttributeValue>
  </saml:Attribute>
</saml:AttributeStatement>
</saml:Assertion>
</samlp:Response>
```

ESEMPIO DI METADATA SERVICE PROVIDER

```
<?xml version="1.0" encoding="UTF-8"?>
- <md:EntityDescriptor cacheDuration="P30DT0H0M0.000S" entityID="http://sp.cnipa.gov.it/sp" xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata">
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  - <md:SPSSODescriptor protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol" AuthnRequestsSigned="true">
    - <md:KeyDescriptor use="signing">
      - <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        - <ds:X509Data>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </md:KeyDescriptor>
    <md:NameIDFormat urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified </md:NameIDFormat>
    <md:AssertionConsumerService Location="http://sp.cnipa.gov.it:8080/sp/AssertionConsumerService" Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" index="1"/>
  - <md:AttributeConsumingService index="1">
    <md:ServiceName xml:lang="it">Servizio 1</md:ServiceName>
    <md:RequestedAttribute FriendlyName="First name" Name="firstname" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Last name" Name="lastname" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Birthdate" Name="birthdate" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
  </md:AttributeConsumingService>
  - <md:AttributeConsumingService index="2">
    <md:ServiceName xml:lang="it">Servizio 2</md:ServiceName>
    <md:RequestedAttribute FriendlyName="Last name" Name="lastname" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Birthplace" Name="birthplace" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"/>
    <md:RequestedAttribute FriendlyName="Work" Name="work" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
  </md:AttributeConsumingService>
  - <md:AttributeConsumingService index="3">
    <md:ServiceName xml:lang="it">Servizio 3</md:ServiceName>
    <md:RequestedAttribute FriendlyName="Last name" Name="lastname" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Nationality" Name="nationality" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Mobile phone number" Name="mobile" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
  </md:AttributeConsumingService>
  - <md:AttributeConsumingService index="4">
    <md:ServiceName xml:lang="it">Servizio 4</md:ServiceName>
    <md:RequestedAttribute FriendlyName="Gender" Name="gender" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Work" Name="work" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
    <md:RequestedAttribute FriendlyName="Address" Name="address" NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:unspecified"> </md:RequestedAttribute>
  </md:AttributeConsumingService>
</md:SPSSODescriptor>
</md:EntityDescriptor>
```

ESEMPIO DI METADATA IDENTITY PROVIDER

```
<?xml version="1.0" encoding="UTF-8"?>
- <md:EntityDescriptor cacheDuration="P30DT0H0M0.000S" entityID="https://idp.cnipa.gov.it/idp" xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata">
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  - <md:IDPSSODescriptor protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol" WantAuthnRequestsSigned="true">
    - <md:KeyDescriptor use="signing">
      - <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:X509Data>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </md:KeyDescriptor>
    <md:NameIDFormat> urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified </md:NameIDFormat>
    <md:SingleSignOnService Location="https://idp.cnipa.gov.it:9443/idp/SSOService" Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"/>
    <md:SingleSignOnService Location="https://idp.cnipa.gov.it:9443/idp/SSOService" Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-REDIRECT"/>
  </md:IDPSSODescriptor>
</md:EntityDescriptor>
```

ESEMPIO DI METADATI ATTRIBUTE AUTHORITY

```
<?xml version="1.0" encoding="UTF-8"?>
- <md:EntityDescriptor cacheDuration="P30DT0H0M0.000S" entityID="https://aa.cnipa.gov.it/aa" xmlns:saml="urn:oasis:names:tc:SAML:2.0:assertion" xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata">
  + <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
  - <md:AttributeAuthorityDescriptor xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata" protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
    - <md:KeyDescriptor use="signing">
      - <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        - <ds:X509Data>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
          <ds:X509Certificate>[CERTIFICATO CODIFICATO IN BASE64]</ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </md:KeyDescriptor>
    <md:AttributeService Location="https://aa.cnipa.gov.it:5443/aa/AttributeQueryHandlerServlet" Binding="urn:oasis:names:tc:SAML:2.0:bindings:SOAP"/>
    <md:NameIDFormat>urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified</md:NameIDFormat>
    <md:AttributeProfile>urn:oasis:names:tc:SAML:2.0:attrname-format:basic</md:AttributeProfile>
    <saml:Attribute Name="job" FriendlyName="Professione"/>
    <saml:Attribute Name="role" FriendlyName="Ruolo"/>
    <saml:Attribute Name="dept" FriendlyName="Dipartimento"/>
    <saml:Attribute Name="salary" FriendlyName="Stipendio"/>
  </md:AttributeAuthorityDescriptor>
</md:EntityDescriptor>
```