

Documentation of the IdP-extension to release the user's IP address

As part of the [Libraries walk-in-user pilot](#)-pilot the Shibboleth IdP needs to release the IP adress of the user as attributes.

Download of source code as maven project:



The extensions "user agent" is a Shibboleth data connector that provides the IP address of the user as attributes in 3 formats: IP4, IP6 or as a number. The Shibboleth IP authentication handler is required for this data connector to work.

To deploy the connector, copy the JAR file in edit-webapp/WEB-INF/lib, re-build idp and restart tomcat.

The attribute-resolver.xml must be configured properly as the example below:

```

<resolver:AttributeResolver
    ...
    xmlns:daasidc="urn:de:daasi:shibboleth:idp3:resolver:dc"
    xsi:schemaLocation="...
                                urn:de:daasi:shibboleth:idp3:resolver:dc classpath:
/schema/shibboleth-attribute-resolver-daasi-dc.xsd">

    ...

    <resolver:DataConnector id="userAgentIpAddressDataConnector" xsi:type="daasidc:
UserAgentIpAddressDataConnector" xmlns="urn:de:daasi:shibboleth:idp3:resolver:dc"
    userAgentAddressIPv4AttributeName="userAgentAddressIPv4"
    userAgentAddressIPv4AsLongAttributeName="userAgentAddressIPv4AsLong"
    userAgentAddressIPv6AttributeName="userAgentAddressIPv6"
/>

    <!-- Example Attribute Definition -->
    <resolver:AttributeDefinition xsi:type="ad:Simple" id="userAgentAddressIPv4" sourceAttributeID="
userAgentAddressIPv4">
        <resolver:Dependency ref="userAgentIpAddressDataConnector" />
        <resolver:AttributeEncoder xsi:type="enc:SAML1String" name="http://daasi.de/userAgentAddressIPv4" />
        <resolver:AttributeEncoder xsi:type="enc:SAML2String" name="http://daasi.de/userAgentAddressIPv4"
friendlyName="userAgentAddressIPv4" />
    </resolver:AttributeDefinition>

    <resolver:AttributeDefinition xsi:type="ad:Simple" id="userAgentAddressIPv4AsLong" sourceAttributeID="
userAgentAddressIPv4AsLong">
        <resolver:Dependency ref="userAgentIpAddressDataConnector" />
        <resolver:AttributeEncoder xsi:type="enc:SAML1String" name="http://daasi.de/userAgentAddressIPv4AsLong"
/>
        <resolver:AttributeEncoder xsi:type="enc:SAML2String" name="http://daasi.de/userAgentAddressIPv4AsLong"
friendlyName="userAgentAddressIPv4AsLong" />
    </resolver:AttributeDefinition>

    <resolver:AttributeDefinition xsi:type="ad:Simple" id="userAgentAddressIPv6" sourceAttributeID="
userAgentAddressIPv6">
        <resolver:Dependency ref="userAgentIpAddressDataConnector" />
        <resolver:AttributeEncoder xsi:type="enc:SAML1String" name="http://daasi.de/userAgentAddressIPv6" />
        <resolver:AttributeEncoder xsi:type="enc:SAML2String" name="http://daasi.de/userAgentAddressIPv6"
friendlyName="userAgentAddressIPv6" />
    </resolver:AttributeDefinition>

</resolver:AttributeResolver>

```

Additionally, the attribute needs to be added to the appropriate attribute-filter.