

Example of a standard attribute filter for Shibboleth IdP v3.4.0 and above



This is an example of a standard entity category based attribute filter for SWAMID 2.0 in a Shibboleth IdP which fulfils SWAMID's [Entity Category attribute release in SWAMID](#)

attribute-filter.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<AttributeFilterPolicyGroup id="ShibbolethFilterPolicy"
  xmlns="urn:mace:shibboleth:2.0:afp"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:mace:shibboleth:2.0:afp http://shibboleth.net/schema/idp/shibboleth-afp.xsd">

  <!-- Release the transient ID to anyone -->
  <AttributeFilterPolicy id="releaseTransientIdToAnyone">
    <PolicyRequirementRule xsi:type="ANY" />

    <AttributeRule attributeID="transientId">
      <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
  </AttributeFilterPolicy>

  <!-- GEANT Data protection Code of Conduct -->
  <AttributeFilterPolicy id="releaseToCoCo">
    <PolicyRequirementRule xsi:type="EntityAttributeExactMatch"
      attributeName="http://macedir.org/entity-category"
      attributeValue="http://www.geant.net/uri/dataprotection-code-of-conduct/v1" />
    <AttributeRule attributeID="eduPersonTargetedID">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonPrincipalName">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonUniqueId">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonOrcid">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="norEduPersonNIN">
      <PermitValueRule xsi:type="AND">
        <Rule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
        <Rule xsi:type="RegistrationAuthority" registrars="http://www.swamid.se/" />
      </PermitValueRule>
    </AttributeRule>
    <AttributeRule attributeID="personalIdentityNumber">
      <PermitValueRule xsi:type="AND">
        <Rule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
        <Rule xsi:type="RegistrationAuthority" registrars="http://www.swamid.se/" />
      </PermitValueRule>
    </AttributeRule>
    <AttributeRule attributeID="schacDateOfBirth">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="mail">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="cn">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="displayName">
      <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="givenName">
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        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="sn">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonAssurance">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonScopedAffiliation">
        <PermitValueRule xsi:type="AND">
            <Rule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
            <Rule xsi:type="OR">
                <Rule xsi:type="Value" value="faculty" ignoreCase="true" />
                <Rule xsi:type="Value" value="student" ignoreCase="true" />
                <Rule xsi:type="Value" value="staff" ignoreCase="true" />
                <Rule xsi:type="Value" value="alum" ignoreCase="true" />
                <Rule xsi:type="Value" value="member" ignoreCase="true" />
                <Rule xsi:type="Value" value="affiliate" ignoreCase="true" />
                <Rule xsi:type="Value" value="employee" ignoreCase="true" />
                <Rule xsi:type="Value" value="library-walk-in" ignoreCase="true" />
            </Rule>
        </PermitValueRule>
    </AttributeRule>
    <AttributeRule attributeID="eduPersonAffiliation">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="o">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="norEduOrgAcronym">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="c">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="co">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="schacHomeOrganization">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
    <AttributeRule attributeID="schacHomeOrganizationType">
        <PermitValueRule xsi:type="AttributeInMetadata" onlyIfRequired="true" />
    </AttributeRule>
</AttributeFilterPolicy>

<!-- REFEDS Research and Scholarship -->
<AttributeFilterPolicy id="releaseToRandS">
    <PolicyRequirementRule xsi:type="EntityAttributeExactMatch"
        attributeName="http://macedir.org/entity-category"
        attributeValue="http://refeds.org/category/research-and-scholarship" />
<!-- Alternative configuration examples for ePTID. See the static variables section of the attribute resolver.
    <AttributeRule attributeID="eduPersonTargetedID">
        <PermitValueRule xsi:type="NOT">
            <Rule xsi:type="Value" value="https://refeds.org/assurance/ID/eppn-unique-no-reassign"
attributeID="eduPersonAssurance" />
        </PermitValueRule>
    </AttributeRule>
-->
<!--
    <AttributeRule attributeID="eduPersonTargetedID">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
-->
    <AttributeRule attributeID="displayName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="givenName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="sn">

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        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="mail">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonUniqueId">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonAssurance">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonPrincipalName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonScopedAffiliation">
        <PermitValueRule xsi:type="OR">
            <Rule xsi:type="Value" value="faculty" ignoreCase="true" />
            <Rule xsi:type="Value" value="student" ignoreCase="true" />
            <Rule xsi:type="Value" value="staff" ignoreCase="true" />
            <Rule xsi:type="Value" value="alum" ignoreCase="true" />
            <Rule xsi:type="Value" value="member" ignoreCase="true" />
            <Rule xsi:type="Value" value="affiliate" ignoreCase="true" />
            <Rule xsi:type="Value" value="employee" ignoreCase="true" />
            <Rule xsi:type="Value" value="library-walk-in" ignoreCase="true" />
        </PermitValueRule>
    </AttributeRule>
</AttributeFilterPolicy>

<!-- DEPRECATED entity-category-swamid-research-and-education WILL BE REMOVED 2020-10-31 -->
<AttributeFilterPolicy id="entity-category-research-and-education">
    <PolicyRequirementRule xsi:type="AND">
        <Rule xsi:type="OR">
            <Rule xsi:type="EntityAttributeExactMatch"
                attributeName="http://macedir.org/entity-category"
                attributeValue="http://www.swamid.se/category/eu-adequate-protection" />
            <Rule xsi:type="EntityAttributeExactMatch"
                attributeName="http://macedir.org/entity-category"
                attributeValue="http://www.swamid.se/category/nren-service" />
            <Rule xsi:type="EntityAttributeExactMatch"
                attributeName="http://macedir.org/entity-category"
                attributeValue="http://www.swamid.se/category/hei-service" />
        </Rule>
        <Rule xsi:type="EntityAttributeExactMatch"
            attributeName="http://macedir.org/entity-category"
            attributeValue="http://www.swamid.se/category/research-and-education" />
    </PolicyRequirementRule>
    <AttributeRule attributeID="givenName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="sn">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="displayName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="cn">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonPrincipalName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonAssurance">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="mail">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonScopedAffiliation">
        <PermitValueRule xsi:type="OR">
            <Rule xsi:type="Value" value="faculty" ignoreCase="true" />
            <Rule xsi:type="Value" value="student" ignoreCase="true" />

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                <Rule xsi:type="Value" value="staff" ignoreCase="true" />
                <Rule xsi:type="Value" value="alum" ignoreCase="true" />
                <Rule xsi:type="Value" value="member" ignoreCase="true" />
                <Rule xsi:type="Value" value="affiliate" ignoreCase="true" />
                <Rule xsi:type="Value" value="employee" ignoreCase="true" />
                <Rule xsi:type="Value" value="library-walk-in" ignoreCase="true" />
            </PermitValueRule>
        </AttributeRule>
        <AttributeRule attributeID="o">
            <PermitValueRule xsi:type="ANY" />
        </AttributeRule>
        <AttributeRule attributeID="norEduOrgAcronym">
            <PermitValueRule xsi:type="ANY" />
        </AttributeRule>
        <AttributeRule attributeID="c">
            <PermitValueRule xsi:type="ANY" />
        </AttributeRule>
        <AttributeRule attributeID="co">
            <PermitValueRule xsi:type="ANY" />
        </AttributeRule>
        <AttributeRule attributeID="schacHomeOrganization">
            <PermitValueRule xsi:type="ANY" />
        </AttributeRule>
    </AttributeFilterPolicy>

<!-- DEPRECATED entity-category-sfs-1993-1153 WILL BE REMOVED 2020-10-31-->
<AttributeFilterPolicy id="entity-category-sfs-1993-1153">
    <PolicyRequirementRule xsi:type="EntityAttributeExactMatch"
        attributeName="http://macedir.org/entity-category"
        attributeValue="http://www.swamid.se/category/sfs-1993-1153" />

    <AttributeRule attributeID="norEduPersonNIN">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
    <AttributeRule attributeID="eduPersonAssurance">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
</AttributeFilterPolicy>

<!-- Examples of entityId based release to Service Providers -->

<!-- Release to testshib.org -->
<!--
<AttributeFilterPolicy id="testShib">
    <PolicyRequirementRule xsi:type="Requester" value="https://sp.testshib.org/shibboleth-sp" />

    <AttributeRule attributeID="givenName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>

    <AttributeRule attributeID="commonName">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>

    <AttributeRule attributeID="surname">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>

    <AttributeRule attributeID="principal">
        <PermitValueRule xsi:type="ANY" />
    </AttributeRule>
</AttributeFilterPolicy>
-->

<!-- NyA-webben UHR -->
<!--
<AttributeFilterPolicy id="releaseNyAwebbenEntitlement">

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<PolicyRequirementRule xsi:type="OR">
  <Rule xsi:type="Requester" value="https://expert.antagning.se/ecs-sp" />
  <Rule xsi:type="Requester" value="https://expert.testa.antagning.se/ecs-sp" />
  <Rule xsi:type="Requester" value="https://expert.testb.antagning.se/ecs-sp" />
</PolicyRequirementRule>

<AttributeRule attributeID="NyAwebbenEntitlement">
  <PermitValueRule xsi:type="ANY" />
</AttributeRule>
</AttributeFilterPolicy>
-->

<!-- TCS - Digicert until 2020-04-30 -->
<!-- New TCS Personal -->
<!--
<AttributeFilterPolicy id="releaseTcsPersonalEntitlement">
  <PolicyRequirementRule xsi:type="Requester" value="https://www.digicert.com/sso" />

  <AttributeRule attributeID="displayName">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="eduPersonPrincipalName">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="tcsPersonalEntitlement">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="mail">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="schacHomeOrganization">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
</AttributeFilterPolicy>
-->

<!-- TCS - Sectigo 2020-05-01 and forward -->
<!-- Please see https://wiki.sunet.se/display/SWAMID/SAML-konfiguration+Sunet+TCS -->
<!-- for information on how to create a resolver for tcsPersonalEntitlement. -->
<!--
<AttributeFilterPolicy id="releaseSectigoAttributeBundle">
  <PolicyRequirementRule xsi:type="Requester" value="https://cert-manager.com/shibboleth" />

  <AttributeRule attributeID="eduPersonPrincipalName">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="displayName">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="givenName">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="mail">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="sn">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="schacHomeOrganization">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
  <AttributeRule attributeID="tcsPersonalEntitlement">
    <PermitValueRule xsi:type="ANY" />
  </AttributeRule>
</AttributeFilterPolicy>
-->

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<!-- PLACEHOLDER DO NOT REMOVE -->  
</AttributeFilterPolicyGroup>
```