

# ScopeRegexConfiguration

## Overview

The `ScopeRegex` (`basic:AttributeScopeRegex` prior to V3.2) type matches attributes values against the supplied [Java Regular Expression](#).

Confusingly, the `ScopeRegex` type can be a `Matcher` or a `PolicyRequirement`.

- If no `attributeID` attribute is specified then it is a `Matcher` (returning that value if it is present amongst the values, and the empty set otherwise)
- If an `attributeID` attribute is specified then it is a `PolicyRule` (returning true if that that is present amongst the values for the specified attribute).

## Schema Name

The `ScopeRegex` type is defined in the `urn:mace:shibboleth:2.0:afp` namespace, the schema for which can be located at <http://shibboleth.net/schema/idp/shibboleth-afp.xsd>

The deprecated `basic:AttributeScopeRegex` type was defined in the `urn:mace:shibboleth:shibboleth:2.0:afp:basic` namespace, the schema for which can be found at <http://shibboleth.net/schema/idp/shibboleth-afp-mf-basic.xsd>

## Attributes

Three attributes may be specified

Name	Type	Default	Description
<code>attributeID</code>	String	none	If this is present, then this is a <code>PolicyRule</code> returning true if the corresponding attribute exists and contains a value that matches. If this is not present, then this is a <code>Matcher</code> returning any value that matches, and the empty set otherwise.
<code>regex</code>	<a href="#">Pattern</a>	required	The regular expression to match against

## Child Elements

None

## Examples

### Simple Profile Policy

```
<afp:PolicyRequirementRule xsi:type="AttributeScopeRegex" regex="^\.*\.edu$" attributeID="EPSA" />
```

Apply this rule if the attribute "EPSA" contains at least one scope value whose scope ends `.edu`.

### Simple Matcher

```
<AttributeRule attributeID="uid">  
  <PermitValueRule xsi:type="ScopeRegex" regex="^\.*\.edu$" />  
</AttributeRule>
```

Add any scoped values of the attribute "uid" with scope ending `.edu` to its permitted values list.

### Compound PolicyRule (deprecated)

```
<afp:PolicyRequirementRule xsi:type="AttributeScopeRegex" regex="^\.*\.edu$" />
```

Apply this rule if **any** attribute contains a scope value whose scope ends `.edu`

### Compound Matcher (deprecated)

```
<AttributeRule attributeID="email">  
  <PermitValueRule xsi:type="ScopeRegex" regex="^\.*\.edu$" attributeID="EPSA" />  
</AttributeRule>
```

If the attribute "epsa" contains any scoped which starts ends .edu then release all values of "email" .