

Example Web PEP

Web Policy Enforcement Point

Use case example

We want to define a policy to restrict access to some pages of the Soffid console.

The users who are assigned to the SOFFID_RRHH role (from this point forward: end-users) will have limitations to access to some Soffid console pages:

1. The end-users who belong to the "enterprise" group as primary group, could not access to the groups page.
2. The end-users could not access to role page.
3. En other cases permit access.

XACML Editor

Policy set

First of all, we define a policy set.

Policy set

Identifier: :

Version: :

Description: :

Policy Combining Algorithm: :

Target

<input type="checkbox"/>	<input type="text" value="Subjects"/>	<input type="text" value="Operator"/>	<input type="text" value="Value"/>	<input type="button" value="+"/>	<input type="checkbox"/>	<input type="text" value="Resources"/>	<input type="text" value="Operator"/>	<input type="text" value="Value"/>	<input type="button" value="+"/>
Displayed rows: 0					Displayed rows: 0				
<input type="checkbox"/>	<input type="text" value="Actions"/>	<input type="text" value="Operator"/>	<input type="text" value="Value"/>	<input type="button" value="+"/>	<input type="checkbox"/>	<input type="text" value="Environments"/>	<input type="text" value="Operator"/>	<input type="text" value="Value"/>	<input type="button" value="+"/>
Displayed rows: 0					Displayed rows: 0				

Obligations

<input type="checkbox"/>	<input type="text" value="Obligation"/>	<input type="text" value="Full fill on"/>	<input type="text" value="Attribute"/>	<input type="text" value="Value"/>	<input type="button" value="+"/>
Displayed rows: 0					

Policy

Then, we can define a policy to manage the access. We need to define the subject, in that case users with SOFFID_RRHH role assigned.

Also, we can define a variable that contains the group name to establish the restrictions.

Policy

Identifier: : SOFFID_RRHH

Version: : 1

Description: : SetOfUsers

Rule Combining Algorithm: :

Deny overrides

Target

<input type="checkbox"/>	Subjects	Operator	Value	+	<input type="checkbox"/>	Resources	Operator	Value	+
<input type="checkbox"/>	urn:oasis:names:tc:xacml:2.0:subject:role	=	SOFFID_RRHH@soffid						
				Displayed rows: 1					Displayed rows: 0
<input type="checkbox"/>	Actions	Operator	Value	+	<input type="checkbox"/>	Environments	Operator	Value	+
				Displayed rows: 0					Displayed rows: 0

Variables

<input type="checkbox"/>	Variable	Expression	+
<input type="checkbox"/>	pGroup	"enterprise"	
			Displayed rows: 1

Rules

<input type="checkbox"/>	Rule	Description	Effect	+
<input type="checkbox"/>	Other	Other	Permit	
<input type="checkbox"/>	DenyRoles	Deny access to role page	Deny	
<input type="checkbox"/>	DenyGroups	Deny access to groups page	Deny	
				Displayed rows: 3

Rule 1

“ The end-users who belong to the "enterprise" group as primary group, could not access to the groups page.

Rule

Rule :

DenyGroups

Description :

Deny access to groups page

Effect :

Deny

Target

Subjects

Operator

Value

+

Displayed rows: 0

Resources

Operator

Value

+

Displayed rows: 1

Actions

Operator

Value

+

Displayed rows: 0

Environments

Operator

Value

+

Displayed rows: 0

Conditions

Condition

Expression

+

Displayed rows: 1

Condition

(One and only(null /primaryGroup/name) == One and only(pGroup))

Rule 2

“ The end-users could not access to role page.

Rule

Rule :

DenyRoles

Description :

Deny access to role page

Effect :

Deny

Target

Subjects

Operator

Value

+

Displayed rows: 0

Resources

Operator

Value

+

Displayed rows: 1

Actions

Operator

Value

+

Displayed rows: 0

Environments

Operator

Value

+

Displayed rows: 0

Conditions

Condition

Expression

+

Displayed rows: 0

Rule 3

“ En other cases permit access.

Rule

Rule :
Description :
Effect :

Other
Other
Permit

Target

Subjects

Operator

Value

+

Displayed rows: 0

Resources

Operator

Value

+

Displayed rows: 0

Actions

Operator

Value

+

Displayed rows: 0

Environments

Operator

Value

+

Displayed rows: 0

Conditions

Condition

Expression

+

Displayed rows: 0

Download XML

You can download a XML file with the example: [policy-TestWebPEP.xml](#)

Configure PEP

Web Policy Enforcement Point

Enable XACML Policy Enforcement Point :
Policy Set Id :
Policy Set Version :
Trace requests :

Yes
TestWebPEP
1
Yes

III
III

Revision #14

Created 3 August 2021 10:14:37 by pgarcia@soffid.com

Updated 6 August 2021 09:25:00 by pgarcia@soffid.com