

Example Password Vault PEP

Password Vault Policy Enforcement Point

Use case example 1

We want to define a policy to restrict access to the Soffid Password Vault.

The users who are assigned to the SOFFID_ADMIN role (from this point forward: end-users) will have limitations to perform some actions on the folder "demoFolder" of the Soffid Password Vault

1. The end-users only be able to access the accounts of that folder on labor time. The permissions will be denied in another case.

Policy set

First of all, we define a policy set that could contain other policy sets and policies.

Policy set

Identifier: : VaultDemoPolicies

Version: : 1

Description: : Vault polices

Policy Combining Algorithm: : Deny overrides

Target

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

Obligations

<input type="checkbox"/>	<div>⚙</div> Obligation	<div>⚙</div> Full fill on	<div>⚙</div> Attribute	<div>⚙</div> Value	<div>+</div>
					Displayed rows: 0

Policy set 2

Then, we can create another policy set as a child of the former to manage the folder and to define the subject, in that case, users with SOFFID_ADMIN role assigned.

Policy set

Identifier: :

demoFolder

Version: :

1

Description: :

Policies for demoFolder

Policy Combining Algorithm: :

Deny overrides

Target

Subjects

Operator

Value

urn:oasis:names:tc:xacml:2.0:subject:role

=

SOFFID_ADMIN@soffid

Displayed rows: 1

Resources

Operator

Value

urn:com:soffid:xacml:resource:vault

=

/vault/demoFolder

Displayed rows: 1

Actions

Operator

Value

Displayed rows: 0

Environments

Operator

Value

Displayed rows: 0

Obligations

Obligation

Full fill on

Attribute

Value

Displayed rows: 0

That policy set will contain the policies.

⊖ VaultDemoPolicies (1)	Vault polices
⊖ demoFolder (1)	Policies for demoFolder
⊕ TimeToAccess (1)	Time to access to the resources
⊕ UsersRestrictions (1)	Users Restrictions

Policies

Policy 1

“ The end-users only be able to access the accounts of that folder on labour time.
The permissions will be denied in other case.

Policy

Identifier: : TimeToAccess

Version: : 1

Description: : Time to access to the resources

Rule Combining Algorithm: : Permit overrides

Target

<input type="checkbox"/>	Subjects	Operator	Value	+	<input type="checkbox"/>	Resources	Operator	Value	+
Displayed rows: 0					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	+
			Displayed rows: 0

Rules

<input type="checkbox"/>	⚙ Rule	⚙ Description	⚙ Effect	+
<input type="checkbox"/>	LabourTime	Labour Time	Permit	
<input type="checkbox"/>	Other	Other Deny	Deny	
Displayed rows: 2				

Rule

We define the rule that permit access to the *end-user*

Rule

Rule : LabourTime

Description : Labour Time

Effect : Permit

Target

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

Conditions

<input type="checkbox"/>	Condition	Expression	+
<input type="checkbox"/>	Between 6:00 and 20:00	((One and only(Current time) > "6:00:00") && (One and only(Current time) < "20:00:00"))	
Displayed rows: 1			

And we define other to deny access.

Rule

Rule :

Other

Description :

Other Deny

Effect :

Deny

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

Use case example 2

We want to define a policy to restrict access to the Soffid Password Vault.

The users who are assigned to the SOFFID_ADMIN role (from this point forward: end-users) will have limitations to perform some actions on the folder "demoFolder" of the Soffid Password Vault

1. The end-users only be able to access the accounts of that folder on labor time. The permissions will be denied in another case. (Use case example 1)
2. To connect there are some obligations to fulfill

Policy set

Identifier :

demoFolder

Version :

1

Description :

Policies for demoFolder

Policy Combining Algorithm :

Deny overrides

Target

Subjects

Operator

Value

+

Displayed rows: 1

Resources

Operator

Value

+

Displayed rows: 1

Actions

Operator

Value

+

Displayed rows: 0

Environments

Operator

Value

+

Displayed rows: 0

Obligations

Obligation

Full fill on

Attribute

Value

+

Displayed rows: 3

urn:soffid:obligation:otp

Permit

timeout

30

urn:soffid:obligation:bpm

Permit

process

Grant account

urn:soffid:obligation:message

Permit

text

This is a protected system. Do not enter without authorization, please.

Test policy set

Undo

Apply changes

Use case example 3

We want to define a policy to restrict access to the Soffid Password Vault.

The access will be denied on Sunday.

soffid

Search

Main Menu

Policy

Identifier :

Version :

Description :

Rule Comb

Target

Subjects

Resources

Actions

Environments

Variables

Conditions

Condition

Expression

Sunday

(Day of week(Current time) == "1")

Rule : DayOfWeek

Description : DayOfWeek

Effect : Deny

Target

Subjects

Resources

Actions

Environments

Conditions

Condition

Expression

Sunday

(Day of week(Current time) == "1")

Undo

Close

Download XML

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

Configure PEP

Password vault Policy Enforcement Point (<https://iam-sync-lab.soffidnetlab:1760//XACML/vault>)

Enable XACML Policy Enforcement Point : ☒ Yes ☐ No

Policy Set Id :

Policy Set Version :

Trace requests : ☒ Yes ☐ No

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