

PAM policies

Definition

Privileged Access Management (PAM) policies are a set of guidelines and controls that dictate how privileged access is granted, managed, and audited within an organization.

Soffid allows you to define policies, those policies can be made up of several **rules**. For each rule, you could select the action to perform when Soffid detects that rule is accomplished.

To use those policies you need to define how policies will be used by each folder in the password vault. For more information, you can visit the [Password Vault page](#).

Screen overview

The screenshot shows the Soffid user interface for managing PAM policies. On the left is a navigation sidebar with categories like ISS, IGA, AM, PAM, and IRC. The main content area is titled 'PAM policies' and includes a search bar, breadcrumb navigation, and tabs for 'Quick', 'Basic', and 'Advanced'. Below the tabs are filter buttons for 'Name' and 'Description', and an 'Add criteria' button. A table displays one policy, 'Policy01'. At the bottom right, it indicates 'Displayed rows: 1'.

Name ^	Description
Policy01	Policy01

The screenshot shows the Soffid web interface for configuring a PAM policy. The left sidebar contains a navigation menu with categories like ISS, RGA, AM, PAM, and IRC. The main content area is titled 'Policy01' and is divided into three sections: 'Basic information', 'Policy settings', and 'Audit information'.

Basic information:

- Name: Policy01
- Description: Policy01

Policy settings:

- Days to keep recordings: 120
- Priority: 1
- Expression: `return "master\admin".equals(principal.getName());`
- Temporary permissions: *Temporary permissions*

Audit information:

Rule ^	Close session	Lock account	Open issue	Notify
BBDD rule 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Drop table	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
sudo	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

At the bottom right, there are buttons for 'Undo' and 'Apply changes', and a note 'Displayed rows: 3'.

Related objects

- PAM policies : the PAM policies contains and configure the PAM rules
- PAM rules : PAM rules used in the PAM policies
- Password vault : to configure PAM policies in vault folders.
- Issue policies : to configure the pam-violation issue policy

Standard attributes

Table attributes

- **Name:** name to identify the policy.
- **Description:** a brief description of the policy.
- **Priority:** priority between the different PAM policies configured.
- **Modified by:** user who modified that rule.
- **Modified on:** the date and time of the update.

Policy attributes

- **Name:** name to identify the policy.
- **Description:** a brief description of the policy.
- **Days to keep recordings:** number of days that recordings will be kept.
- **Priority:** allows you to set the priority between the different PAM policies configured. When there are several policies, the policy to be applied is evaluated according to priority and expression.
- **Expression:** this expression is evaluated to determine the priority of the policy to be applied. When there are several policies, the policy to be applied is evaluated according to priority and expression.
- **Temporary permissions:** these permissions will be assigned to the user's account on the target system. The permissions will be maintained for the duration of the session. Once the session is over, the permissions will be revoked. The account must be a managed account.
- **Modified by:** user who modified that rule.
- **Modified on:** the date and time of the update.

When you save the standard attributes of a PAM policy and edit the policy again, the rule list will be shown. Here you can customize the policy depending on the existing rules.

Rules attributes

Show a list of the PAM rules defined. You can check/uncheck the available options. You can choose zero, one, or several:

- **Rule:** name of the rule
- **Close session:** when the rule is met, Soffid will close the session.
- **Lock account:** when the rule is met, Soffid will lock the account.
- **Open issue:** when the rule is met, Soffid will open a new issue (*).
- **Notify:** when the rule is met, Soffid will send a notification about the action.

 Image

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root@77bc37f3629d:/opt/soffid/tomee/data/ips# cat user-console.policies
[{"policyName":"policy002","actions":[{"shortName":"ls -al","description":"ls -al","type":"keyboard","content":"ls -al","author":"pgarcia","date":1720074500000,"actions":["N"]},{shortName:"Drop table","description":"Drop table","type":"keyboard","content":"[d][r][o][p].*[t][a][b][l][e]","author":"pgarcia","date":1730303556000,"actions":["N"]},{shortName:"Windows setting","description":"User opens windows settings app","type":"screen","content":"Panel de Control","author":"pgarcia","date":1731939483000,"actions":["N"]},{shortName:"whoami","description":"whoami","type":"keyboard","content":"whoami","author":"pgarcia","date":1720073853000,"actions":["N"]},{shortName:"sudo","description":"sudo","type":"keyboard","content":"sudo","author":"admin","date":1709047462000,"actions":["N","C"]},{shortName:"Massive delete","description":"Massive delete","type":"keyboard","content":"rm.*-.*r","author":"admin","date":1709047492000,"actions":["N"]},{shortName:"apt-get","description":"apt-get","type":"keyboard","content":"apt-get","author":"pgarcia","date":1725440932000,"actions":["N","C"]},{shortName:"passwd","description":"passwd","type":"keyboard","content":"passwd","author":"admin","date":1715332681000,"actions":["N"]}],author:"pgarcia","date":1734011609000,"maxSessionMinutes":null},{policyName":"policy001","actions":[{"shortName":"ls -al","description":"ls -al","type":"keyboard","content":"ls -al","author":"pgarcia","date":1720074500000,"actions":["I"]},{shortName:"whoami","description":"whoami","type":"keyboard","content":"whoami","author":"pgarcia","date":172007385000,"actions":["I"]},{shortName:"Massive delete","description":"Massive delete","type":"keyboard","content":"rm.-.*r","author":"admin","date":1709047492000,"actions":["I"]},{shortName:"Windows setting","description":"User opens windows settings app","type":"screen","content":"Panel de Control","author":"pgarcia","date":1731939483000,"actions":["I","N"]},{shortName:"passwd","description":"passwd","type":"keyboard","content":"passwd","author":"admin","date":1715332681000,"actions":["I"]},{shortName:"apt-get","description":"apt-get","type":"keyboard","content":"apt-get","author":"pgarcia","date":1725440932000,"actions":["I","N"]},{shortName:"sudo","description":"sudo","type":"keyboard","content":"sudo","author":"admin","date":1709047462000,"actions":["I"]},{shortName:"Drop table","description":"Drop table","type":"keyboard","content":"[d][r][o][p].*[t][a][b][l][e]","author":"pgarcia","date":1730303556000,"actions":["N"]}]}]
root@77bc37f3629d:/opt/soffid/tomee/data/ips# █

```

Actions

Table actions

"Query search"	Allows you to query PAM policies through different search systems, Quick , Basic and Advanced .
Add new	Allows you to create a new PAM policy. To add a new PAM policy it will be mandatory to fill in the required fields.
Delete PAM policy	Allows you to remove one or more PAM policies by selecting one or more records and next clicking this button. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
Download CSV file	Allows you to download a CSV file with the PAM policies information.
Import	Allows you to upload a CSV file with the PAM policies list to add or update PAM policies to Soffid. First, you need to pick up a CSV file, that CSV has to contain a specific configuration. Then you need to check the content to be loaded, it is allowed to choose if you want or not to load a specific attribute. Finally, you need to select the mappings for each column of the CSV file to import the data correctly and click the Import button.
View	Allows you to show and hide columns in the table. You can also set the order in which the columns will be displayed.

Policy actions

Apply changes (dick button)	Allows you to create a new configuration PAM policy or to update an existing one. To save the data it will be mandatory to fill in the required fields.
Delete	Allows you to delete a PAM policy. To delete a PAM policy you can click on the "three points" icon and then click the delete button. To perform that action, Soffid will ask you for confirmation, you could confirm or cancel the operation.
Undo	Allows you to quit without applying any changes made.
Apply changes	Allows you to create a new configuration PAM policy or to update an existing one. To save the data it will be mandatory to fill in the required fields. Once the change has been applied, you will return to the main screen.

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