








Policy setup

Policies

The section contains a list of policies, sorted by priority.

The following data is displayed for policies:

- **Priority** - a number indicating the order in which a particular policy is applied. Zero priority is the default policy that is applied last. The higher the policy, the higher its priority, and vice versa.
- **Name** - policy name.
- **Description** - policy description.
-  - number of users with policy.
-  - number of accounts with policy.
-  - number of resources with policy.
-  - number of domains with policy.

Policies						
INDEED-ID\James.Miller						
+ Add						
<input type="checkbox"/>	Priority	Name	Description			
<input type="checkbox"/>	12	Outsource management	for non-domain accounts	0	0	0
<input type="checkbox"/>	0	Default policy				

The **default policy** contains a set of parameters for all available sections and applies to all new objects, so it is advisable to start configuring there.

The default policy also applies to sessions opened on behalf of user accounts, unless other policies are explicitly applied to these users.

Open the policy page, set the desired parameters for the **Accounts**, **Sessions**, **RDP** sections, save settings.




Adding new policy

To add, view, edit and delete policies, you will need the appropriate [claims](#) from the **POLICIES MANAGEMENT** section (Policy.Create, Policy.Read, Policy.Update, Policy.Delete).

Click **Add** in the **Policies** section, fill in the Policy **Name**, **Description**, and **Priority** fields. The new policy will appear in the list.

General information

Open the policy page, review the general information, edit **Name**, **Description**, or **Priority** if necessary by clicking the pencil icon

Outsource management		
INDEED-ID\James.Miller		
General information	General information	
Sections	Name	Outsource management 
Scope	Description	for non-domain accounts 
	Priority	12 
	Created by	INDEED-ID\James.Miller
	Date created	19.10.2021 15:52:07
	Changed by	INDEED-ID\James.Miller
	Date changed	19.10.2021 15:52:07

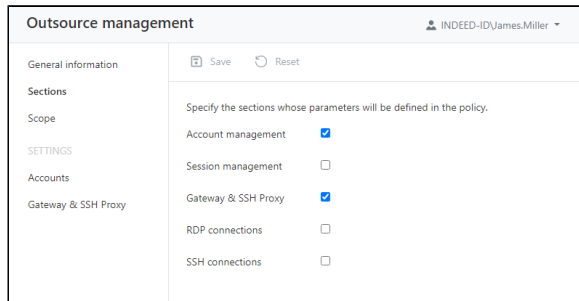
- **Name** - the name of the policy, it is set when creating a new policy. It can be changed at any time.
- **Description** - policy description.

- **Priority** - a number indicating the order in which a particular policy is applied. Zero priority is the default policy that is applied last.
- **Created by** - Indeed Identity PAM administrator name.
- **Date created** - date and time when the policy was created.
- **Changed by** - name of Indeed Identity PAM administrator who saved the policy settings.
- **Date changed** - date and time when the policy settings were saved.

To edit **Name**, **Description** and **Priority** click 

Sections

Go to the **Sections** and mark the sections which will be determined by the policy, save the changes. The corresponding sections will become available for setting up.



For unchecked sections, other policies will be applied by priority.

Scope

To assign policies you will need the appropriate claims (Account.SetPolicy, User.SetPolicy, Resource.SetPolicy, Domain.SetPolicy).

Contains information about which users, accounts, resources, or domains the policy is applied to.

To apply a policy to an object, click **Add**, select the type of object to apply the policy, select the objects.

To remove the policy from objects, select the required objects and click **Remove**.

Creating a copy of the policy

Check the policy in the **Policies** section and click **Create copy**, fill in the **Policy name**, **Description** and **Priority** fields. The copied policy will appear in the list.

Removing policy

Before removing a policy, make sure that it does not apply to any objects.

Check the required policies in the **Policies** section and click **Remove**.

The **Default policy** cannot be removed.

Changing the priority of a policy

Check one policy under **Policies**, click **Change priority** and enter a number for the policy priority value.

You can also change the priority by opening the required policy and in the **General Information** section click the pencil icon next to the priority value.

Policy sections

Accounts

Option	Description
Credentials showing settings	
Reset account password and SSH key after showing	If this option is enabled, the password and SSH key of the privileged account will be reset every time the user views it in his self service (user console).
Reset password and SSH key after X minutes	After viewing, the password and SSH key will be reset to a random value after the specified number of minutes.
Require a reason of password and SSH key viewing	If this option is enabled, the directory user must provide a reason before viewing the password or SSH key of the privileged account.
Password and SSH key viewing must be confirmed by PAM administrator	Before each credentials viewed by user it must be confirmed by PAM administrator
Password and SSH key confirmation timeout, min.	Timeout of waiting for confirmation of password and SSH key viewing, from 1 to 180 minutes.
Encrypt SSH key using generated password before showing to user	If this option is enabled, the SSH key will be shown in encrypted form, and the generated encryption password will be hidden. The encryption key and password is generated by PAM every time the data is viewed.
Check and reset credentials settings	
Periodically synchronize resources and accounts	If this option is enabled, then an automatic search for data and privileged accounts on resources will be performed.
Synchronize resources and accounts once in X days	Automatic search for resource data and privileged accounts will be performed once every specified number of days, from 1 to 10,000 days
Periodically check account password and SSH key	If this option is enabled, then passwords and SSH keys will be automatically checked for privileged accounts.
Check password and SSH key once in X days	Automatic check of the password and SSH key of privileged accounts will be performed once every specified number of days, from 1 to 10,000 days.
Reset password and SSH key if a mismatch is detected	If this option is enabled, then passwords and SSH keys will be automatically reset in case of mismatch between PAM and resources.
Remove SSH keys unmanaged by PAM	If there is no SSH key for the added account in PAM, but there is one on the resource, then all discovered keys from the resource will be removed.
Check password and SSH key if it's set manually	If this option is enabled, a check will be performed when setting or changing a password or SSH key.
Periodically change account password and SSH key	If this option is enabled, the password or SSH key will be automatically changed to a random value for privileged accounts.
Change password and SSH key every X days	Automatic change of password or SSH key for privileged accounts will be performed once every specified number of days.
Password requirements	
Generated password length	Total number of characters for automatically generated and manually entered passwords.
Min. password length (manual input)	The minimum number of characters when manually changing the password.

Lowercase letters	If this option is enabled, then automatically generated passwords will consist of lowercase letters. When combined with other settings, the password will contain at least one lowercase letter.
Uppercase letters	If this option is enabled, then automatically generated passwords will consist of capital letters. When combined with other settings, the password will contain at least one uppercase letter.
Numbers	If this option is enabled, then automatically generated passwords will consist of numbers. When combined with other settings, the password will contain at least one number.
Special characters	If this option is enabled, then automatically generated passwords will consist of special characters. When combined with other settings, the password will contain at least one special character.

Sessions

Option	Description
User must specify the connection reason	If the option is enabled, then when connecting to the resource, the user must indicate the reason for starting the session.
Limit session duration	If the option is enabled, after the specified duration the session will terminate automatically.
Maximum session duration	The option enables the session duration limit in hours and minutes, after which the session will end automatically.
Enforce exclusive usage of account	If the option is enabled, then the only one active session can be opened for account
Start of the session must be confirmed by PAM administrator	If this option is enabled, then manual confirmation by the PAM administrator is required for each opened session.
Session confirmation timeout, min.	Timeout for confirmation by the PAM administrator, in the range from 1 to 180 minutes
Reset password and SSH key at the end of the session	If the option is enabled, the password and SSH key will be reset after each session.
Save text	If the option is enabled, then after the session will be available for viewing and downloading a text log.
Save video	If the option is enabled, then after the session is completed, video recording will be available.
Frames per second	The setting determines the frame rate for video recording.
Video resolution	The setting allows you to set the resolution for video recording.
Video log rotation	If this option is enabled, then video recordings will be automatically deleted.
Remove video older than X days	Automatically delete video recordings older than the specified number of days.
Save screenshots	If this option is enabled, then screenshots of the session will be saved.
Screenshots interval, sec.	Saving a screenshot after a specified number of seconds.
Screenshots resolution	Setting allows you to set the resolution of the screenshot.
Screenshots log rotation	If this option is enabled, screenshots will be automatically deleted.
Remove screenshots older than X days	Automatically delete screenshots older than the specified number of days.
Save transferred to server files	If the option is enabled, then the files will be duplicated in the specified network folder when transferred to the server.
Transferred to server files rotation	If this option is enabled, transferred files will be automatically deleted.

Remove transferred to server files older than X days	Automatically delete transferred files older than the specified number of days.
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Gateway & SSH Proxy

Option	Description
Override Gateway settings	If this option is enabled, the following settings will be used instead of those specified in the Configuration section.
RDCB address	Remote Desktop Connection Broker IP address/DNS name
RDCB collection name	Remote Desktop Connection Broker collection name for PAM Gateway
Use RDGW	Connect to Indeed Identity PAM Gateway with Remote Desktop Gateway
RDGW address	Remote Desktop Gateway address for PAM Gateway
Override SSH Proxy settings	If this option is enabled, the following settings will be used instead of those specified in the Configuration section.
SSH Proxy address	IP address or DNS name and port (optional)

RDP

The settings are applied only when connecting to servers via RDP.

Option	Description
Printers	If the option is enabled, then the user will be able to forward the printer from his workplace to the final resource.
Clipboard	If the option is enabled, the user will be able to use the clipboard between his workstation and the end resource.
Smart cards	If the option is enabled, the user will be able to forward the smart card from his workplace to the resource.
Ports	If the option is enabled, then the user will be able to forward COM ports from his workstation to the final resource.
Local drives	If the option is enabled, then the user will be able to forward local disks from his workplace to the resource.
RDP file parameters	Parameters that will be added to RDP connection settings, also they will replace old ones.

SSH

Privilege elevation

- **Allow run pamsu** - support for executing commands with root privileges on resources with the PamSu component installed.

Allowed and forbidden commands

- **Prompt** - regular expression to correctly recognize command input.
- **Reaction to forbidden command** - terminal behavior in response to a forbidden command: CTRL + C (cancel execution) or Abort the session.

Creating a list of controlled commands:

1. Click the **Add** button
2. Enter the command or regular expression

3. Select the status **Allowed** or **Forbidden**.

Restricting command execution takes priority over permission.

Without explicit permission, commands will be considered forbidden, so it is not recommended to remove the last rule that allows command execution.

To allow or prohibit several commands at once, select them with the check boxes and click the appropriate button.

When working with the list of commands, as well as when trying to execute a prohibited command, the corresponding events are recorded in the Events section.