

# Compliance Scanning

Quick Start Guide

# Table of Contents

<b>1</b>	<b>GETTING STARTED</b> .....	<b>4</b>
<b>2</b>	<b>THE COMPLIANCE SCANNING INTERFACE</b> .....	<b>5</b>
2.1	INTERFACE SECTIONS .....	6
2.2	INTERFACE TOP SECTION .....	7
2.2.1	<i>Report Template</i> .....	7
2.2.2	<i>Compliance Policy</i> .....	7
2.2.3	<i>Scan Schedule Grid</i> .....	32
2.2.4	<i>Target Group Grid</i> .....	32
2.2.5	<i>Target Grid</i> .....	33
2.3	INTERFACE LOWER SECTION .....	33
2.3.1	<i>Technical Tab</i> .....	34
2.3.2	<i>Question Tab</i> .....	36
2.3.3	<i>Scheduling Tab</i> .....	38
2.4	PRIVACY SETTINGS .....	41

## About This Document

This document is meant to provide users with a comprehensive overview of the Compliance Scanning module for HIAB and OUTSCAN. This document has been elaborated under the assumption the reader has access to the HIAB or OUTSCAN Account, and Portal Interface.

For support information, visit <https://www.outpost24.com/support>.

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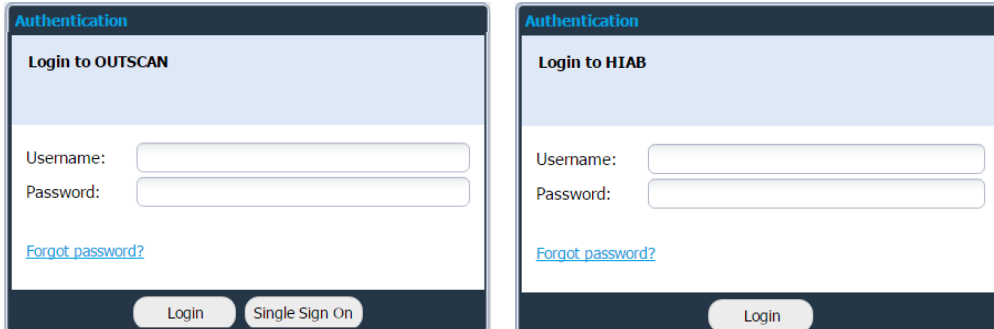
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# 1 Getting Started

To launch the OUTSCAN application, navigate to <https://outscan.outpost24.com>.

Users who have HIAB, connect to your HIAB by using its assigned network address.

**Note:** Use HTTPS protocol, since the HIAB doesn't have anything listening on HTTP.



The image shows two side-by-side screenshots of authentication forms. The left screenshot is titled 'Authentication' and 'Login to OUTSCAN'. It features a 'Username:' label followed by a text input field, a 'Password:' label followed by a text input field, a blue link for 'Forgot password?' below the password field, and two buttons at the bottom: 'Login' and 'Single Sign On'. The right screenshot is also titled 'Authentication' but 'Login to HIAB'. It has a 'Username:' label with a text input field, a 'Password:' label with a text input field, a blue link for 'Forgot password?' below the password field, and a single 'Login' button at the bottom.

Please log on using your credentials.

To access the Compliance Scanning module, go to

**Menu → Compliance Scanning**

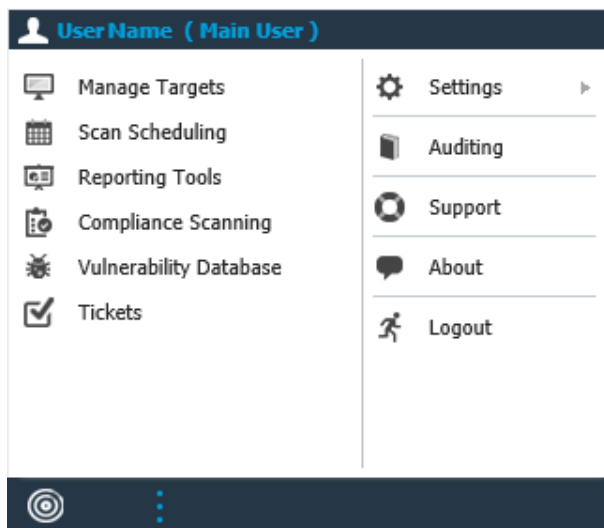
or

**Menu → Target Scanning → Compliance Scanning**

## 2 The Compliance Scanning Interface

The Compliance Scanning Module shows the compliance status of the results from a scan, and export the status to various formats.

Scans can be started by selecting a **Main Menu → Scan Schedule**, or by selecting a target group and then select individual targets in **Main Menu → Manage Targets**.



## 2.1 Interface Sections

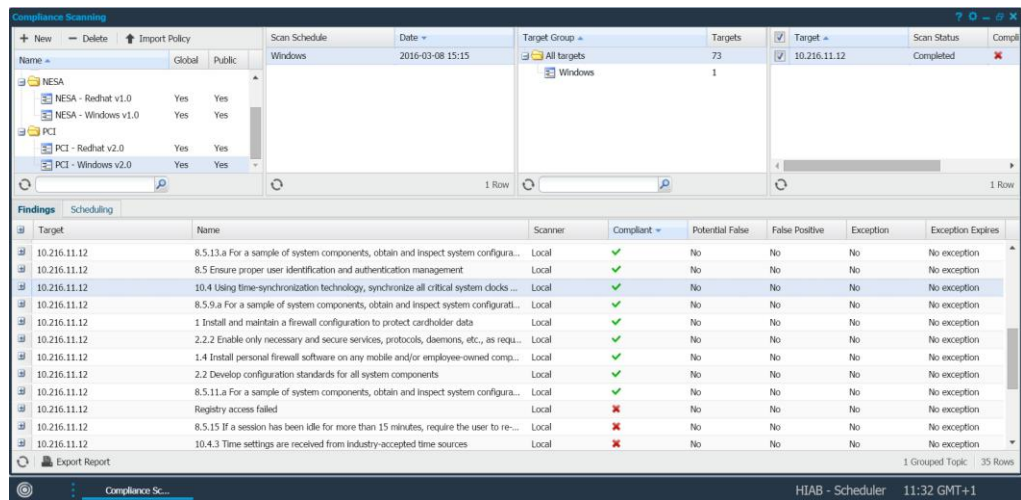
The interface consists of two sections:

- ▶ Top section
- ▶ Lower section

In the Top section, targets can be selected for scanning. For each scan of a target, a compliance report is created.

For more information see 2.2

*Interface Top Section.*

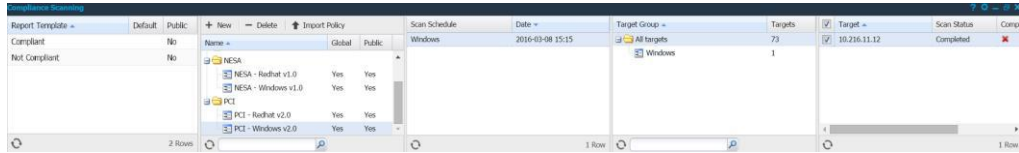


**Note:** The Compliance Scanning will only show the scans from Scan Schedules which had Compliance Scanning enabled under the Scan Settings tab.

The Lower section lists all the targets that were found based on the selection in the top area. For more information see [2.3 Interface Lower Section](#).

## 2.2 Interface Top Section

The Top Section determines what you will see in the compliance report.



### 2.2.1 Report Template

The Report Template grid is not visible the first time you access the Compliance module. This grid is displayed first when a Report Template have been saved, which is done by filtering the lower section and save those filtering options.

See section 2.3.1 *Technical Tab* for more information on displaying findings.

### 2.2.2 Compliance Policy

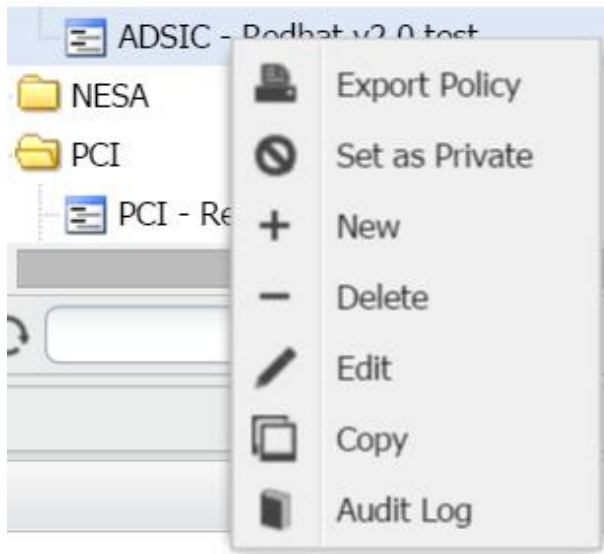
The top left section is used to select a compliance policy. A policy is a predefined set of rules, which includes multiple or singular requirements that defines the compliance policy and reports based on these.

The following are some examples of the pre-defined standards within the Compliance Module:

- ▶ ADSIC
- ▶ CIS
- ▶ GDPR
- ▶ HIPAA
- ▶ NESA
- ▶ PCI



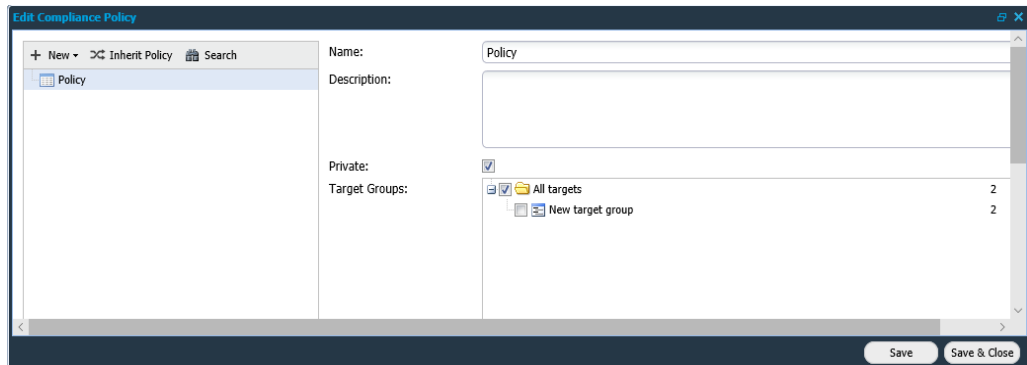
By right clicking any custom defined policy, the following options are presented:



Option	Description
<b>Export Policy</b>	Export the selected policy, this will save the policy locally as an .xml file.
<b>Set as Private</b>	Set the policy as private; the policy will not be visible for any other user within the system.
<b>New</b>	Create a new policy.
<b>Delete</b>	Delete the selected policy.
<b>Edit</b>	Edit the selected policy.
<b>Copy</b>	Create a copy of the selected policy.
<b>Audit Log</b>	View the audit log for the selected policy.

## Create New Policy Tab

To create a custom compliancy policy, click **New** to open the *Edit Compliance*.

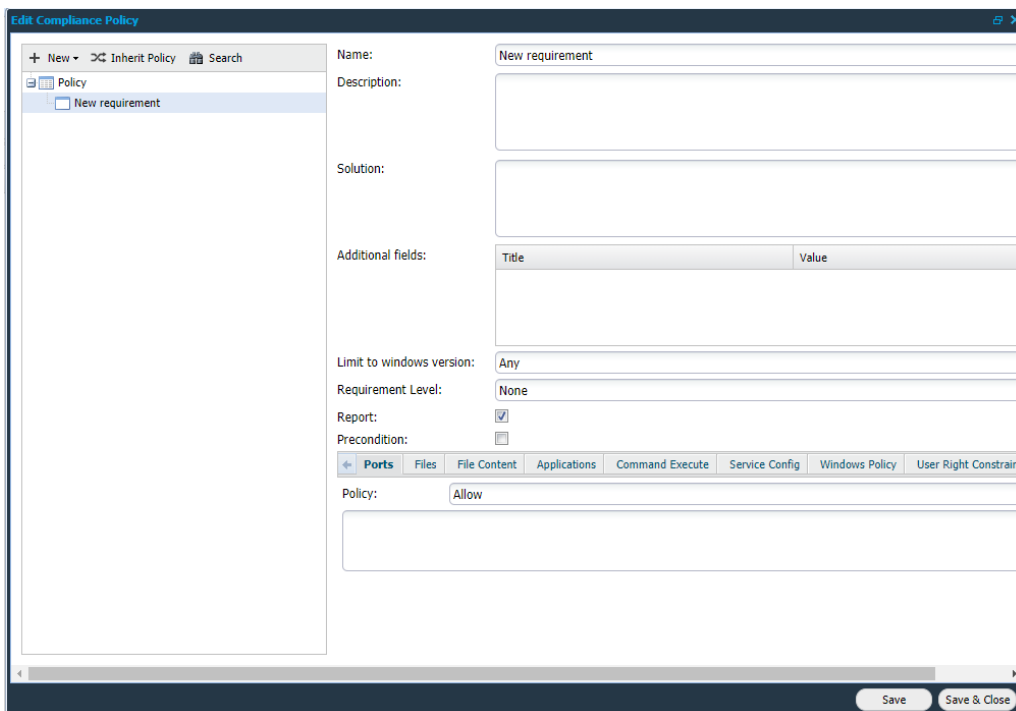


The following attributes are configurable:

Option	Description
<b>Name</b>	Name of the policy.
<b>Description</b>	Enter a description for the policy.
<b>Private</b>	Defines if the policy should be private or public.
<b>Target Groups</b>	Select target groups.

## Create New Requirement Tab

On the left-hand side of the window is the Requirements Tree.



The screenshot shows the 'Edit Compliance Policy' window with the 'New requirement' tab selected. The interface includes a left-hand Requirements Tree, a main configuration area with fields for Name, Description, Solution, Additional fields, Limit to windows version, Requirement Level, Report, and Precondition, and a bottom section for Policy configuration with a 'Ports' tab selected. The 'Policy' dropdown is set to 'Allow'. Buttons for 'Save' and 'Save & Close' are visible at the bottom right.

Click **New** → **Requirement** to create a new requirement, in which the following functionality can be configured for your policy:

Option	Description
<b>Name</b>	Name of the requirement.
<b>Description</b>	Enter a description for the requirement.
<b>Solution</b>	Enter a solution for the requirement.
<b>Additional fields</b>	Right click and choose New to create additional fields to the requirement, these will be shown whenever you expand the requirement in the report.
<b>Limit to windows version</b>	Limit the requirement to a specific Windows version.
<b>Report</b>	By unchecking, this specific requirement will not be reported in the compliance report.
<b>Precondition</b>	Checks if parent requirement is met before evaluation the child requirement.

Add section which makes it clear that the first section of tabs is associated with Linux systems and the later part is associated with Windows controls.

**Port Tab**

The **Port** tab defines what ports are allowed or disallowed.

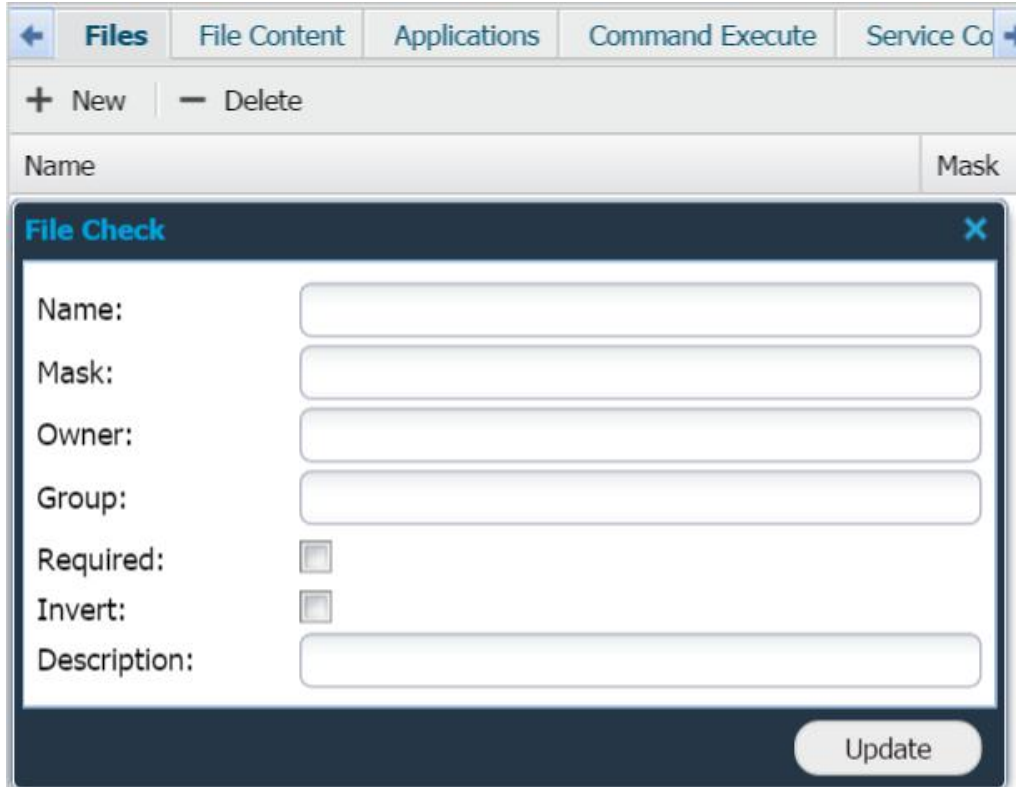
Choose from:

- ▶ Disallow
- ▶ Allow
- ▶ Exactly

### Files Tab

The **Files** tab defines which files to be allowed or disallowed.

*Note: Only applicable in Linux.*



The screenshot shows the 'Files' tab in the Outpost24 interface. At the top, there are navigation tabs: 'Files', 'File Content', 'Applications', 'Command Execute', and 'Service Co'. Below these are '+ New' and '- Delete' buttons. A table with columns 'Name' and 'Mask' is visible. A 'File Check' dialog box is open, containing the following fields:

- Name:
- Mask:
- Owner:
- Group:
- Required:
- Invert:
- Description:

An 'Update' button is located at the bottom right of the dialog box.

Option	Description
<b>Name</b>	Absolute path of the file.
<b>Mask</b>	File permission mask. Enter the octal value of file permissions For example, 640 .
<b>Owner</b>	Owner of the file.
<b>Groups</b>	Group name of the file owner.
<b>Required</b>	Enforce to check the file presence at the given path. The test will fail if the file does not exist at the given path.
<b>Invert</b>	Invert the whole test.
<b>Description</b>	Description for the check.

**Mask**

Mask consists of octal representation of the expected file permissions.

The scanner interprets the value added and checks for combinations of that value.

Ex.

File permissions are constructed by combinations of

- ▶ Read (4)
- ▶ Write (2)
- ▶ Execute (1)

and each position represent either the *user(owner)*, *group*, or *other (all other users)*.

If the file has the permission 640 it means that the file has *read(4)* + *write(2)* for the user, and *read(4)* for the group, and no permissions (0) for all other.

The scanner checks each position, first 6 then 4 and then 0.

The value 6 (Read+ Write) is created by combining 4 (read) and 2 (write). So, the possible combinations are 6, 4, and 2 (read+write, read, and write).

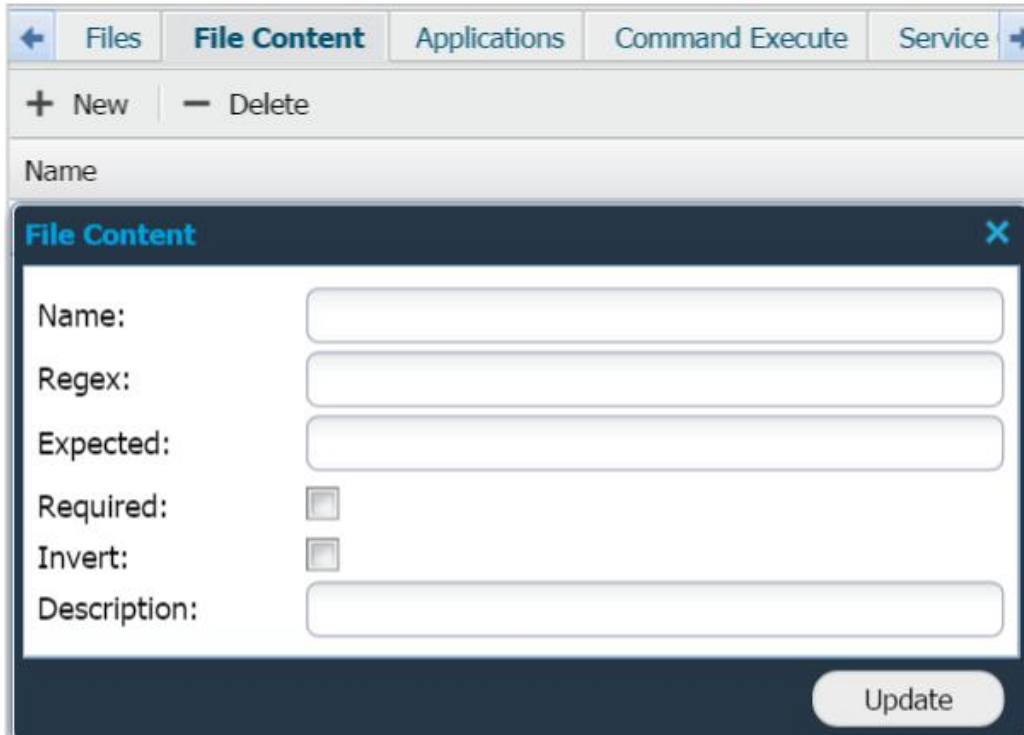
The scanner checks for any of these permission on the file and returns a positive if found.

If the file has the permission set as 740 read+write+execute for the user, the scanner would return a negative, since execute=1 is not part of the expected combinations.

### File Content Tab

The **File Content** tab defines which content that should be allowed or disallowed within a file.

**Note:** Only applicable in Linux.



The screenshot shows the 'File Content' configuration form. It has a header with navigation tabs: Files, **File Content**, Applications, Command Execute, and Service. Below the tabs are '+ New' and '- Delete' buttons. The main form area is titled 'File Content' and contains the following fields:

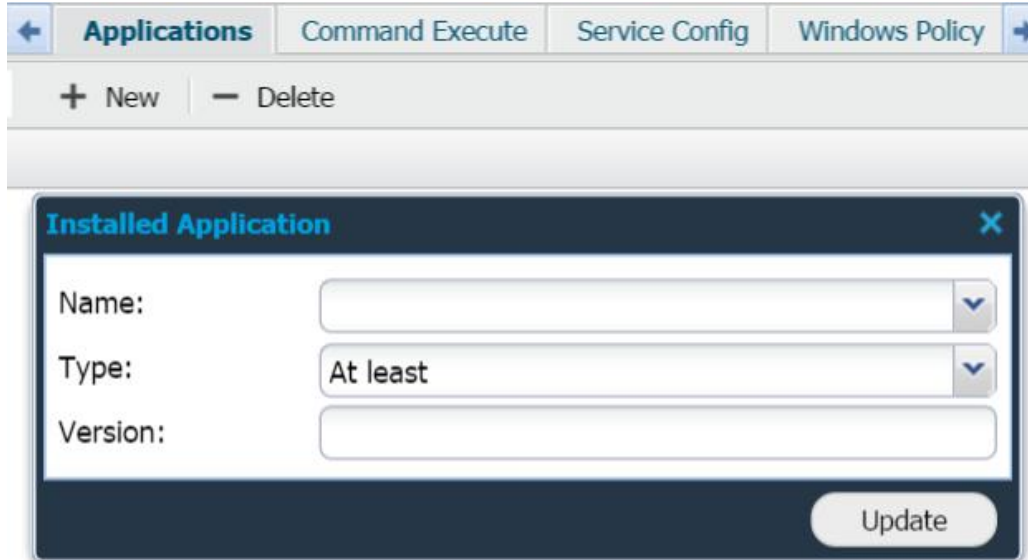
- Name: [Text input field]
- Regex: [Text input field]
- Expected: [Text input field]
- Required:
- Invert:
- Description: [Text input field]

An 'Update' button is located at the bottom right of the form.

Option	Description
<b>Name</b>	Absolute path of the file.
<b>Regex</b>	POSIX extended regular expression to select set of lines. Example: <code>^user =*</code> gives lines starting with <code>user=</code> <b>Note:</b> expressions are case sensitive.
<b>Expected</b>	POSIX extended regular expression for what is expected to be present in the selected set of lines. <b>Note:</b> expressions are case sensitive.
<b>Required</b>	Enforce to check the file presence at the given path. The test will fail if the file does not exist at the given path.
<b>Invert</b>	Invert the whole test.
<b>Description</b>	Description for the check.

### Applications Tab

The **Applications** tab define what applications that are allowed or disallowed. It is also possible to define the version of the application



The screenshot shows the 'Applications' tab in the interface. It includes a navigation bar with 'Applications', 'Command Execute', 'Service Config', and 'Windows Policy'. Below the navigation bar are '+ New' and '- Delete' buttons. The main content area displays a form titled 'Installed Application' with the following fields:

- Name:** A text input field with a dropdown arrow on the right.
- Type:** A dropdown menu currently showing 'At least'.
- Version:** A text input field.

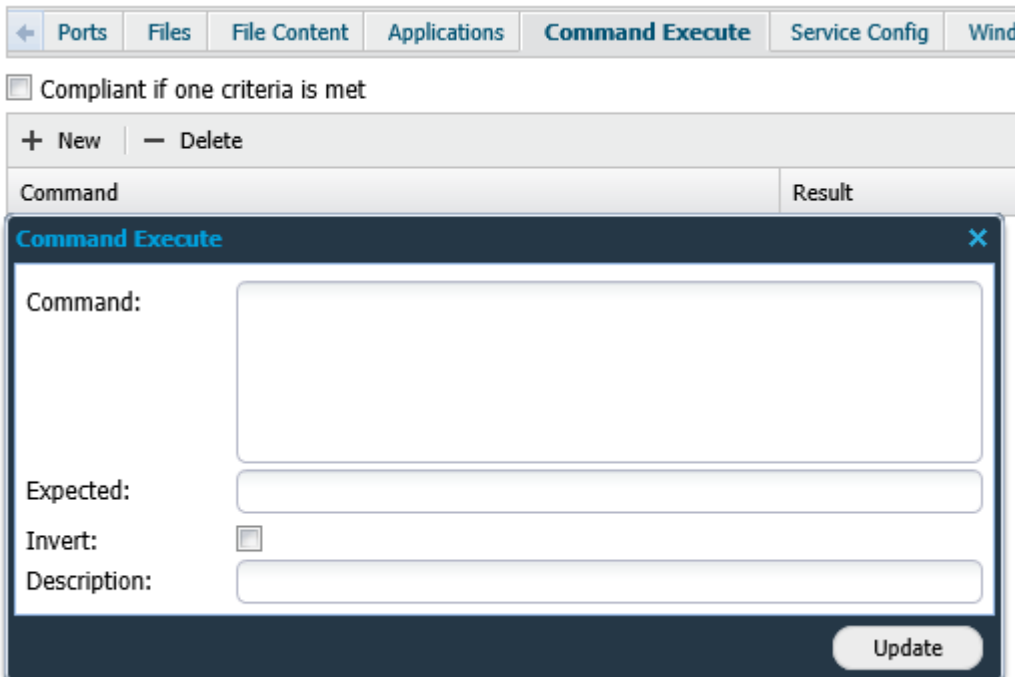
An 'Update' button is located at the bottom right of the form.

Option	Description
<b>Name</b>	Name of the application.
<b>Type</b>	When comparing with the version number of the application, choose between: <ul style="list-style-type: none"> <li>▶ This</li> <li>▶ At least</li> <li>▶ At least allow missing</li> <li>▶ Not Installed</li> </ul>
<b>Version</b>	Version of the application.



### Command Execute Tab

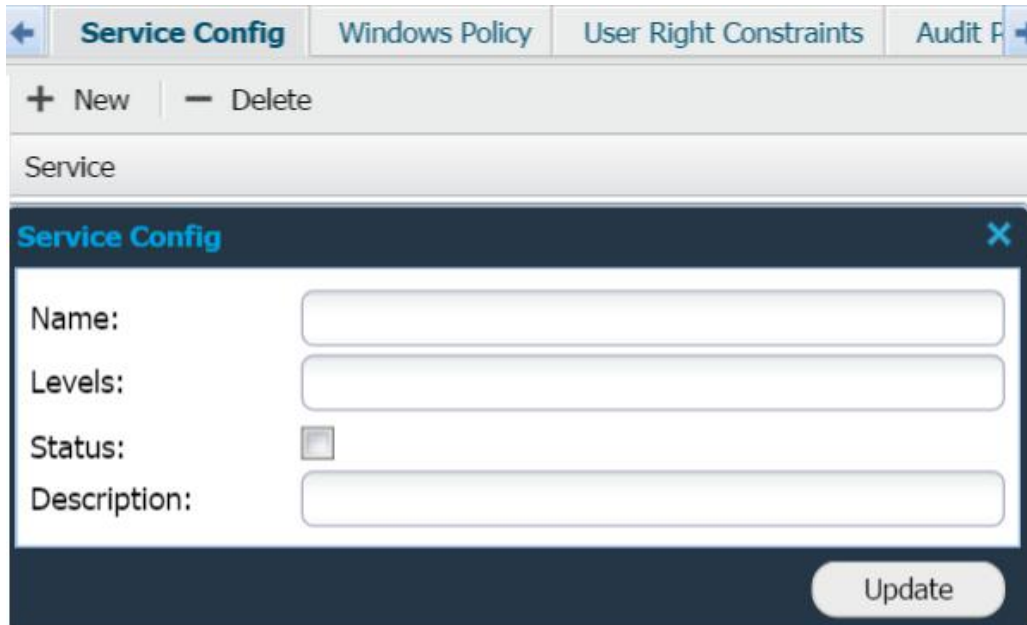
The **Command Execute** tab defines a Linux command to be executed on the target. When there are several commands, checking the '*Compliant if one criteria is met*' stops further execution of remaining commands if one of them delivers a positive result. Executes all commands if '*Compliance if one criteria is met*' is left unchecked.



Option	Description
<b>Command</b>	Defines the Linux command. <i><b>Note:</b> The command may be prefixed with "sudo" escalation and need to be written supporting such style. In other words, pipes with greps will then be running with lower privileges.</i>
<b>Expected</b>	Regular expression for what is expected to be presented in the output of the given command.
<b>Invert</b>	Invert the test.
<b>Description</b>	Description of the check.

### Service Config Tab

The **Service Config** tab checks the levels of the services running on a Red Hat systems.



The screenshot shows a web interface with a tabbed menu at the top containing 'Service Config', 'Windows Policy', 'User Right Constraints', and 'Audit P'. Below the tabs is a toolbar with '+ New' and '- Delete' buttons. A 'Service' header is visible. The main content area is a modal window titled 'Service Config' with a close button (X). Inside the modal, there are four input fields: 'Name:' (text box), 'Levels:' (text box), 'Status:' (checkbox), and 'Description:' (text box). An 'Update' button is located at the bottom right of the modal.

Option	Description
<b>Name</b>	Name of the service.
<b>Levels</b>	Define the level or levels of the service.
<b>Status</b>	If the service should be enabled or disabled.
<b>Description</b>	Description of the check.

### Windows Policy Tab

The **Windows Policy** tab is a rule set for passwords and default accounts on Windows systems, and describes password length, aging, password history, and so forth.

←	Command Execute	Service Config	<b>Windows Policy</b>	User Right Constraints	→
Minimum password length:	<input type="text"/>				
Minimum password aging (Days):	<input type="text"/>				
Maximum password aging (Days):	<input type="text"/>				
Minimum password history:	<input type="text"/>				
Passwords must meet complexity requirements:	<input type="checkbox"/>				
Reversible password encryption disabled:	<input type="checkbox"/>				
Account lockout duration (Seconds):	<input type="text"/>				
Account lockout threshold:	<input type="text"/>				
Account lockout observation window (Seconds):	<input type="text"/>				
Guest account disabled:	<input type="checkbox"/>				
Guest account renamed:	<input type="checkbox"/>				
Administrator account disabled:	<input type="checkbox"/>				
Administrator account renamed:	<input type="checkbox"/>				
Require Logon to change password:	<input type="checkbox"/>				
Force log off when login hours expire:	<input type="checkbox"/>				
Disallow anonymous SID/Name translation:	<input type="checkbox"/>				

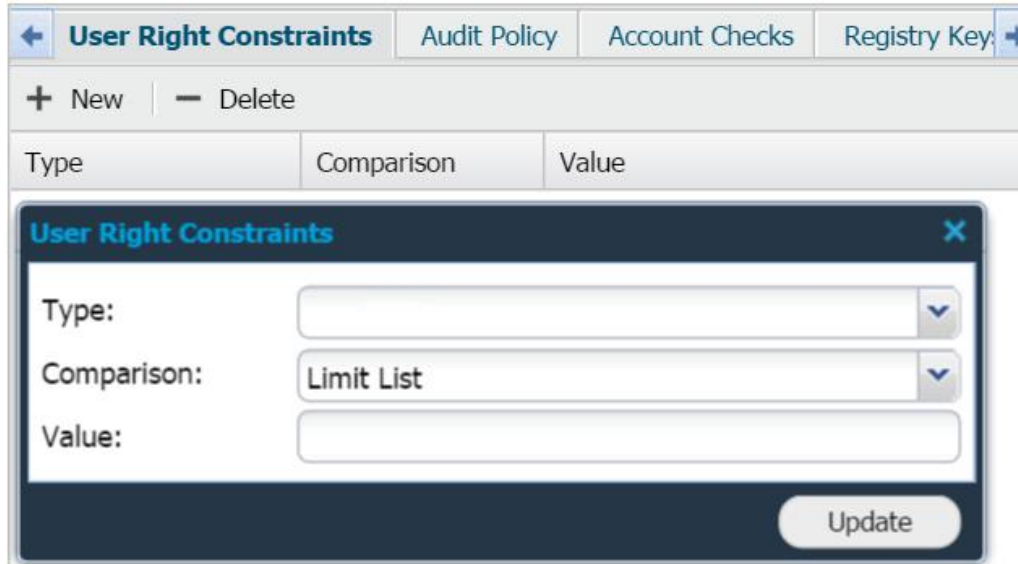
Option	Description
<b>Minimum password length</b>	The minimal length of the password.
<b>Minimum password aging (Days)</b>	Minimum number of days after the password can be changed.
<b>Maximum password aging (Days)</b>	Maximum number of days after the password must be changed.
<b>Minimum password history</b>	Number of previous passwords that the user can't use.
<b>Passwords must meet complexity requirements</b>	Tests, when enabled, if passwords meet the password complexity requirements.

Option	Description
<b>Reversible password encryption disabled</b>	Tests, when enabled, if reversible password encryption is disabled.
<b>Account lockout duration (Seconds)</b>	The amount of time, in seconds, that an account can be locked due to Lockout-Threshold being exceeded.
<b>Account lockout threshold</b>	Maximum number of invalid logon attempts that are permitted before the account is locked out.
<b>Account lockout observation window (Seconds)</b>	The range of time, in seconds, in which the system increments the number of incorrect logon attempts.
<b>Guest account disabled</b>	Enabling this will add checks to test if account for 'Guest' user is disabled.
<b>Guest account renamed</b>	Enabling this will add checks to test if account for 'Guest' user is renamed.
<b>Administrator account disabled</b>	Enabling this will add checks to test if account for 'Administrator' user is disabled.
<b>Administrator account renamed</b>	Enabling this will add checks to test if account for 'Administrator' user is renamed.
<b>Require Logon to change password</b>	Enabling this will add checks to test if it is required to be logged in to change the password.
<b>Force log off when login hours expire</b>	Enabling this will add checks to test if the user is logged off when the login hours has expired.
<b>Disallow anonymous SID/Name translation</b>	Enabling this will add checks to test if anonymous SID/Name translation is disallowed.

### User Right Constraints Tab

The **User Right Constraints** tab define what value a user right should have.

**Note:** Only applicable in Windows.

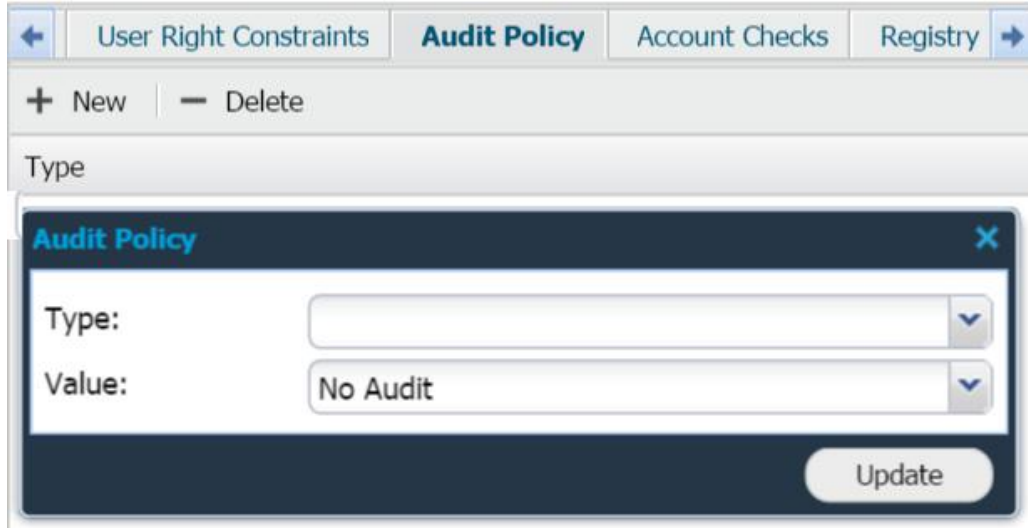


Option	Description
<b>Type</b>	Define the right.
<b>Comparison</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Equals</li> <li>▶ In List</li> <li>▶ Limit List</li> </ul>
<b>Value</b>	If the right should be <i>Enabled</i> or <i>Disabled</i> .

### Audit Policy Tab

The **Audit Policy** tab defines the audit policy and when the audit event is generated.

**Note:** Only applicable in Windows.



Option	Description
Type	Define the Audit Policy. <ul style="list-style-type: none"> <li>▶ System                             <ul style="list-style-type: none"> <li>◆ Security System Extension</li> <li>◆ System Integrity</li> <li>◆ IPsec Driver</li> <li>◆ Other System Events</li> <li>◆ Security State Change</li> </ul> </li> <li>▶ Logon/Logoff                             <ul style="list-style-type: none"> <li>◆ Logon</li> <li>◆ Logoff</li> <li>◆ Account Lockout</li> <li>◆ IPsec Main Mode</li> <li>◆ IPsec Quick Mode</li> <li>◆ IPsec Extended Mode</li> <li>◆ Special Logon</li> <li>◆ Other Logon/Logoff Events</li> <li>◆ Network Policy Server</li> <li>◆ User / Device Claims</li> </ul> </li> <li>▶ Object Access                             <ul style="list-style-type: none"> <li>◆ File System</li> <li>◆ Registry</li> <li>◆ Kernel Object</li> <li>◆ SAM</li> <li>◆ Certification Service</li> </ul> </li> </ul>

Option	Description
	<ul style="list-style-type: none"> <li>◆ Application Generated</li> <li>◆ Handle Manipulation</li> <li>◆ File Share</li> <li>◆ Filtering Platform Packet Drop</li> <li>◆ Filtering Platform Connection</li> <li>◆ Other Object Access Events</li> <li>◆ Detailed File Share</li> <li>◆ Removeable Storage</li> <li>◆ Central Policy Staging</li>   <li>▶ Privilege Use                             <ul style="list-style-type: none"> <li>◆ Sensitive Privilege Use</li> <li>◆ Non Sensitive Privilege Use</li> <li>◆ Other Privilege Use Events</li> </ul> </li>   <li>▶ Detailed Tracking                             <ul style="list-style-type: none"> <li>◆ Process Termination</li> <li>◆ DPAPI Activity</li> <li>◆ RPC Events</li> <li>◆ Process Creation</li> </ul> </li>   <li>▶ Policy Change                             <ul style="list-style-type: none"> <li>◆ Audit Policy Change</li> <li>◆ Authentication Policy Change</li> <li>◆ Authorization Policy Change</li> <li>◆ MPSSVC Rule-Level Policy Change</li> <li>◆ Filtering Platform Policy Change</li> <li>◆ Other Policy Change Events</li> </ul> </li>   <li>▶ Account Management                             <ul style="list-style-type: none"> <li>◆ User Account Management</li> <li>◆ Computer Account Management</li> <li>◆ Security Account Management</li> <li>◆ Distribution Group Management</li> <li>◆ Application Group Management</li> <li>◆ Other Account Management Events</li> </ul> </li>   <li>▶ DS Access                             <ul style="list-style-type: none"> <li>◆ Directory Service Changes</li> <li>◆ Directory Service Replication</li> <li>◆ Detailed Directory Service Replication</li> <li>◆ Directory Service Access</li> </ul> </li>   <li>▶ Account Logon                             <ul style="list-style-type: none"> <li>◆ Kerberos Service Ticket Operations</li> <li>◆ Other Account Logon Events</li> <li>◆ Kerberos Authentication Service</li> <li>◆ Credential Validation</li> </ul> </li> </ul>

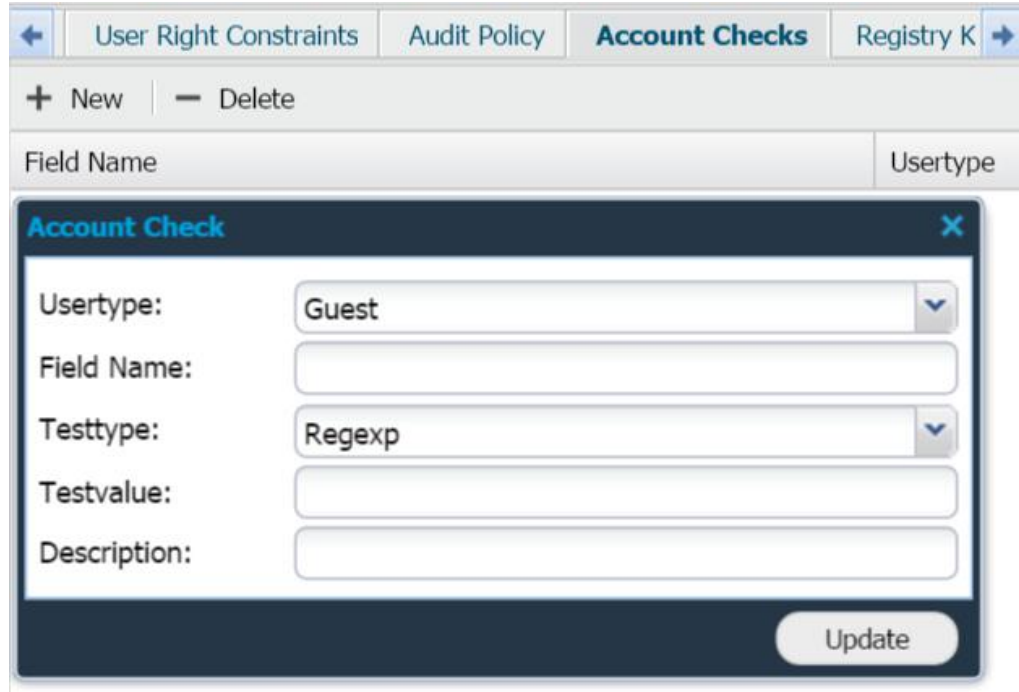
Option	Description
<b>Value</b>	Choose between: <ul style="list-style-type: none"><li>▶ No Audit</li><li>▶ Success</li><li>▶ Success Allow Failure</li><li>▶ Failure</li><li>▶ Failure Allow Success</li><li>▶ Success, Failure</li></ul>



### Account Checks Tab

The **Account Check** tab checks if account exists.

*Note: Only applicable in Windows.*



The screenshot shows the 'Account Checks' tab in a software interface. At the top, there are navigation tabs: 'User Right Constraints', 'Audit Policy', 'Account Checks' (selected), and 'Registry K'. Below the tabs are '+ New' and '- Delete' buttons. A table header shows 'Field Name' and 'Usertype'. A modal window titled 'Account Check' is open, containing the following fields:

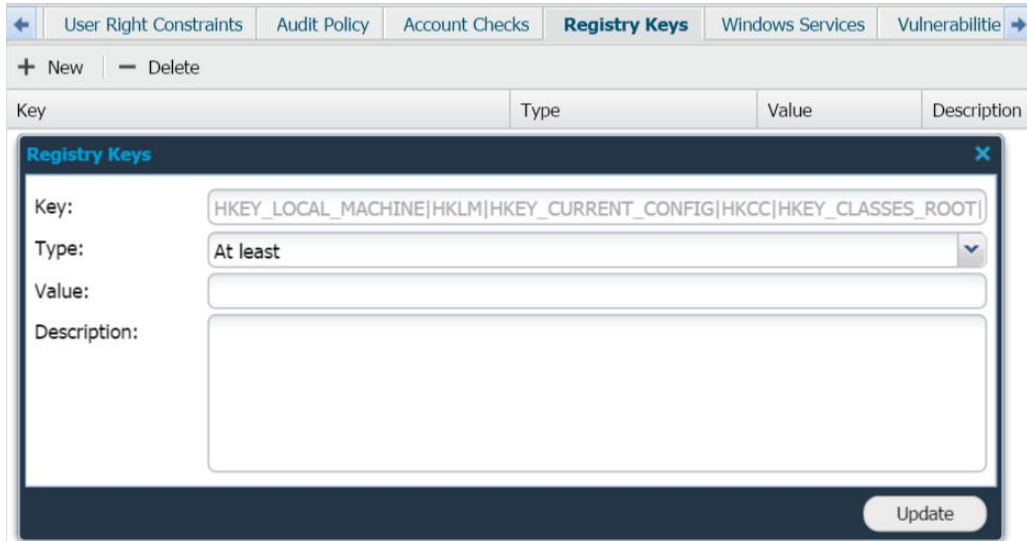
- Usertype:** A dropdown menu with 'Guest' selected.
- Field Name:** An empty text input field.
- Testtype:** A dropdown menu with 'Regexp' selected.
- Testvalue:** An empty text input field.
- Description:** An empty text input field.

An 'Update' button is located at the bottom right of the modal window.

Option	Description
<b>Usertype</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Any</li> <li>▶ Guest</li> <li>▶ User</li> <li>▶ Admin</li> </ul>
<b>Field Name</b>	Define which structure you wish to check against for the usertype.
<b>Testtype</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Regexp</li> <li>▶ Bit And</li> </ul>
<b>Testvalue</b>	The value of the structure.
<b>Description</b>	Description of the check.

## Registry Keys Tab

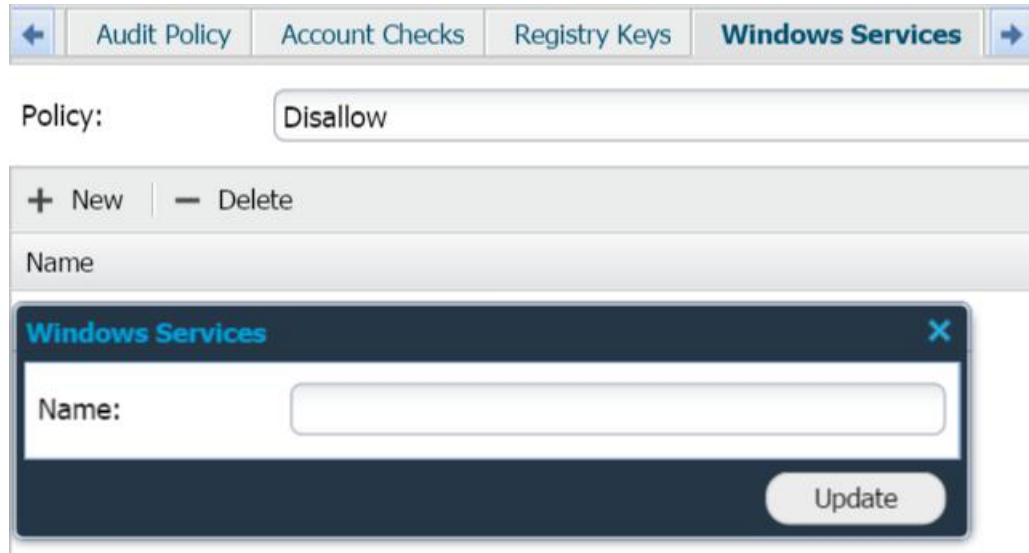
Define policy on Windows keys and their values.



Option	Description
<b>Key</b>	Define the Windows key.
<b>Type</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Regexp</li> <li>▶ Equals</li> <li>▶ Equals allow missing</li> <li>▶ At least</li> <li>▶ At least allow missing</li> <li>▶ At most</li> <li>▶ At most allow missing</li> <li>▶ Not set</li> <li>▶ Not empty</li> </ul>
<b>Value</b>	The value for the Windows key.
<b>Description</b>	Description of the check.

### Windows Services Tab

The **Windows Services** tab *allow*, *disallow* and *exactly* Windows services or define exactly what services that the system should contain.

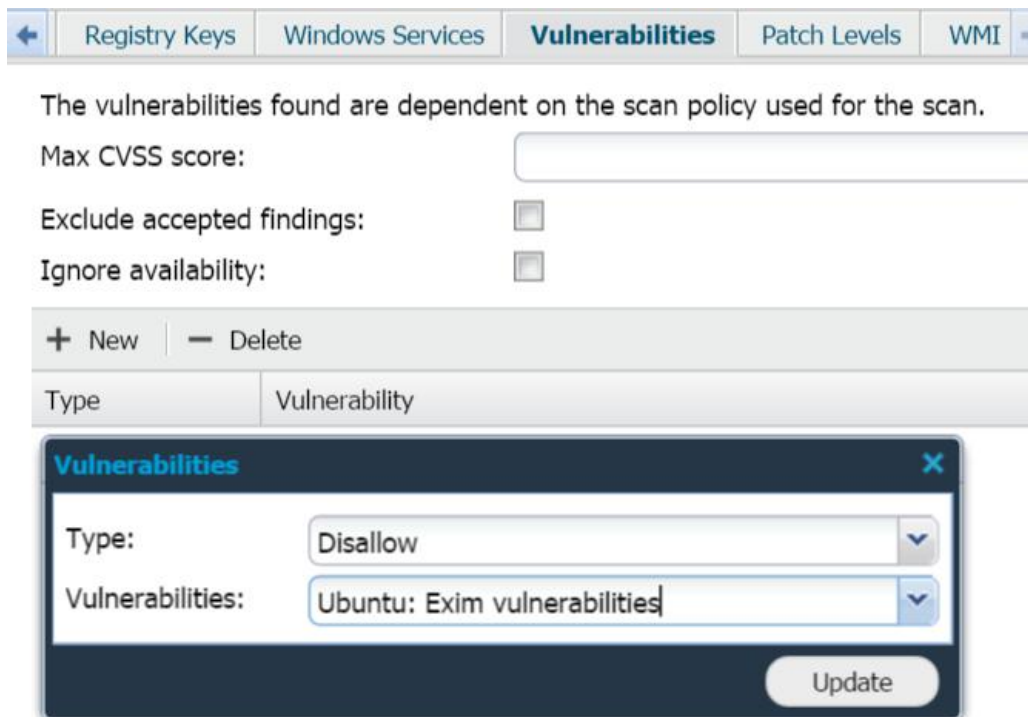


Option	Description
<b>Policy</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Disallow</li> <li>▶ Allow</li> <li>▶ Exactly</li> </ul>
<b>Name</b>	Name of the service.

### Vulnerabilities Tab

The **Vulnerabilities** tab define the maximum CVSS score which the targets can have. The vulnerabilities found are dependent on the scan policy used for the scan.

*Note: When running a Compliance Only scan, this will not be triggered.*



The vulnerabilities found are dependent on the scan policy used for the scan.

Max CVSS score:

Exclude accepted findings:

Ignore availability:

+ New | - Delete

Type	Vulnerability

**Vulnerabilities** ✕

Type:

Vulnerabilities:

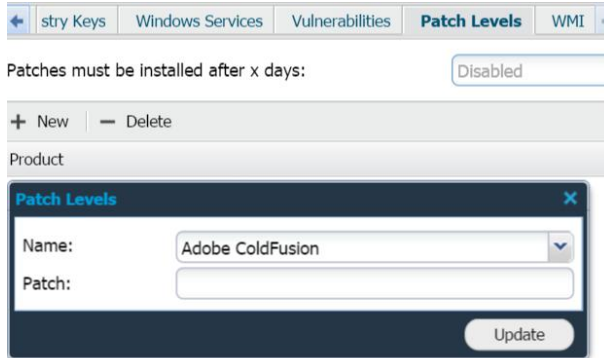
Update

Option	Description
<b>Max CVSS score</b>	Define the maximum CVSS scoring allowed on the target.
<b>Exclude accepted findings</b>	Enable to exclude all accepted findings.
<b>Ignore availability</b>	Enable to ignore a vulnerability which only has an availability impact.
<b>Type</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Disallow</li> <li>▶ Require</li> </ul>
<b>Vulnerabilities</b>	Define the vulnerability that should be required or disallowed on the target.

## Patch Levels Tab

The **Patch Levels** tab defines which patch level the application should have.

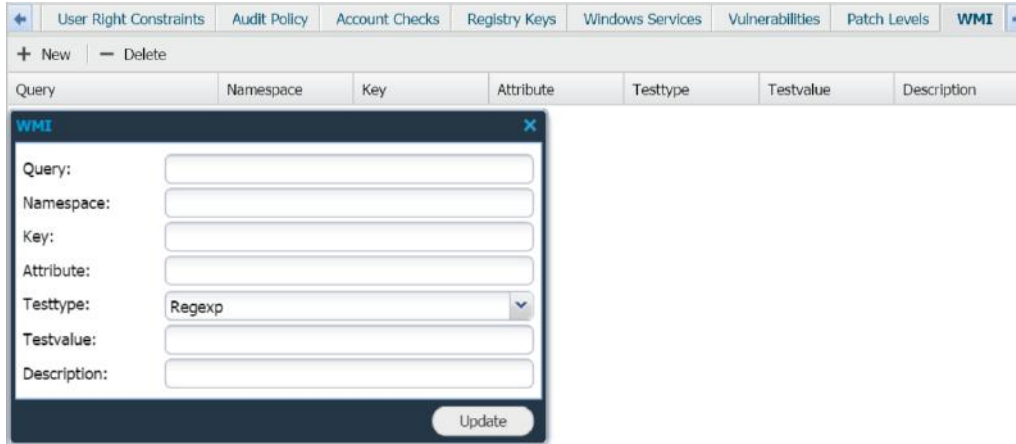
***Note:** When running a Compliance Only scan, this will not be triggered.*



Option	Description
<b>Patches must be installed after x days</b>	Define the number of days.
<b>Name</b>	Define which application.
<b>Patch</b>	Define the patch level.

## WMI Tab

The WMI tab defines WMI queries to be executed on the target. This check will fail if the query matches the **Testvalue**.

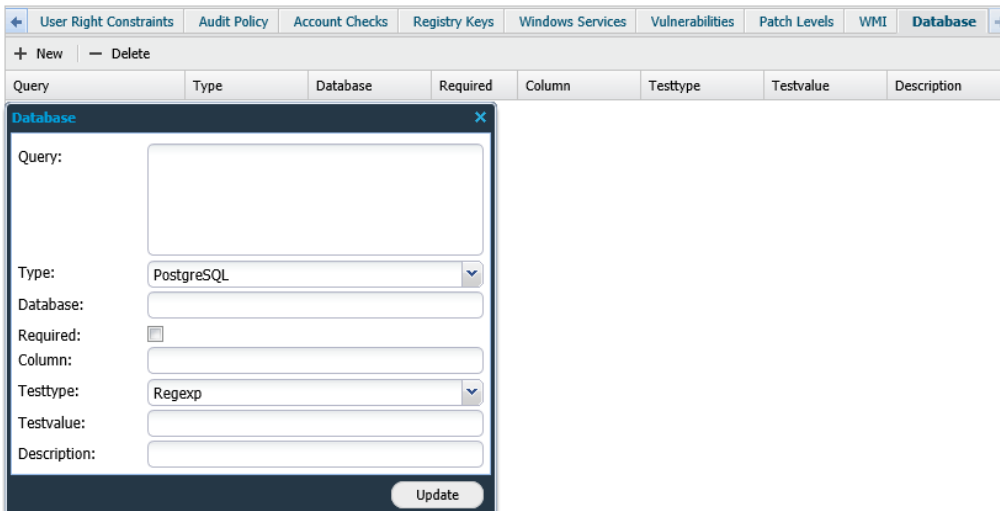


Option	Description
<b>Query</b>	'SELECT' query in WMI query language.
<b>Namespace</b>	WMI namespace name.
<b>Key</b>	The key to present the given attribute in report.
<b>Attribute</b>	Name of the column that should be tested in the result of the given query.
<b>Testtype</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Regexp</li> <li>▶ Bit And</li> <li>▶ Inverse Regexp</li> </ul>
<b>Testvalue</b>	The value to compare against the results of the query.
<b>Description</b>	Description of the check.

## Database Tab

The **Database** tab defines database queries to be executed on the target. This check fails if the query matches the test value.

**Note:** This check requires that database authentication is configured on the target. This is described in detail in chapter 0 Database Authentication



The screenshot shows the 'Database' configuration window. It has a title bar with a close button. Below the title bar are '+ New' and '- Delete' buttons. The main area contains a table with columns: Query, Type, Database, Required, Column, Testtype, Testvalue, and Description. A modal window is open over the table, containing the following fields:

- Query: A large text area.
- Type: A dropdown menu with 'PostgreSQL' selected.
- Database: A text input field.
- Required: A checkbox.
- Column: A text input field.
- Testtype: A dropdown menu with 'Regexp' selected.
- Testvalue: A text input field.
- Description: A text input field.

An 'Update' button is located at the bottom right of the modal window.

Option	Description
<b>Query</b>	'SELECT' database query
<b>Type</b>	Choose between: <ul style="list-style-type: none"> <li>▶ PostgreSQL</li> <li>▶ MySQL</li> <li>▶ DB2</li> <li>▶ Oracle</li> <li>▶ MS SQL</li> </ul>
<b>Database</b>	Define which database this query should be executed in.
<b>Required</b>	Will run the test even if no database exists on the target.
<b>Column</b>	Name of the column that should be tested in the result of the given query.
<b>Testtype</b>	Choose between: <ul style="list-style-type: none"> <li>▶ Regexp</li> <li>▶ Equals</li> <li>▶ Not equals</li> </ul>
<b>Testvalue</b>	The value that should be checked for.
<b>Description</b>	Description of the check.

## Inherit Policy

Inheriting a policy is done by using the *Inherit Policy* option. This toggles a new window with a drop-down menu in which a predefined policy can be chosen from which to inherit from. This option is also available by right-clicking any entry within the Requirements Tree, and choosing *Inherit Policy*.

Policies provide prescriptive guidance for establishing a secure configuration posture for the system the policy is constructed for. By inheriting a policy, a number of known requirements are predefined and makes the setup of a scan easier, also making sure that known vulnerabilities are not overlooked.

By inheriting a compliance policy, you get all the defined requirements/questions in to the policy you are inheriting to. You can always add more requirements/questions to the new policy.

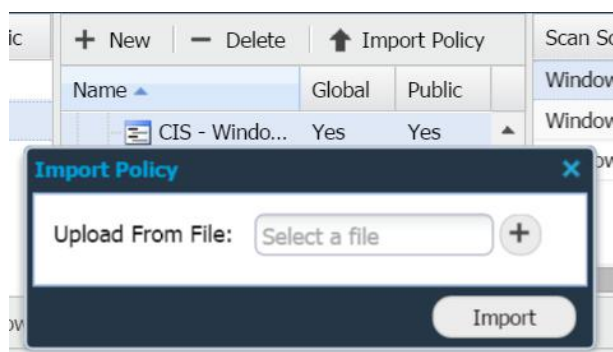
## Remove Policy

Removing a policy is done by selecting the policy to remove, and click **Delete** in the upper left corner of the *Compliance Module*, or by right-clicking the policy directly and choosing **Delete**. To only remove a specific requirement for a policy, right-click the policy, choose **Edit**, right-click the requirement you wish to remove, and choose **Delete**. It is not possible to remove any pre-defined compliance policy, only the policies listed within the *Custom* directory.

## Import and Export Policy

Exporting a policy is done by right-clicking the policy to export, and choose **Export Policy**. This exports the policy in .xml format.

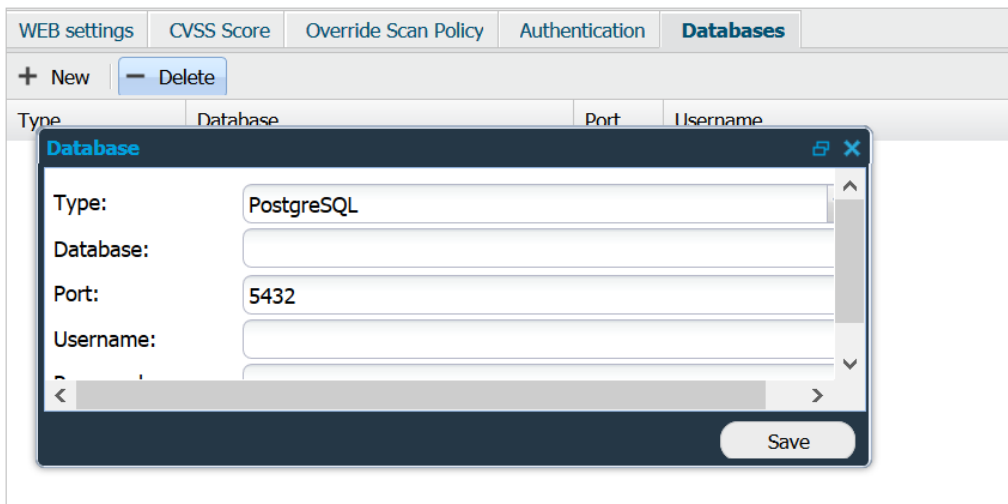
Importing a policy is done by using **Import Policy** within the *Policy* section, choose which policy to import and press **Import**.





## Database Authentication

Database authentication is defined on the target within *Manage Targets*. Right click the target you wish to authenticate against, choose *Edit* and go to the **Databases** tab.



The screenshot shows the 'Databases' tab in the Outpost24 interface. A modal window titled 'Database' is open, allowing configuration of database authentication. The modal contains the following fields:

- Type: PostgreSQL
- Database: (empty)
- Port: 5432
- Username: (empty)
- Password: (empty)

A 'Save' button is located at the bottom right of the modal.

To add credentials to be used click **New** and defined the following:

Option	Description
<b>Type</b>	Type of the database, choose between <i>PostgreSQL</i> , <i>MySQL</i> , <i>DB2</i> , and <i>Oracle</i> .
<b>Database</b>	Define which database the scanner should connect to.
<b>Port</b>	Define which port the scanner should connect on.
<b>Username</b>	Define the username used for the authentication.
<b>Password</b>	Define the password used for the authentication.

### 2.2.3 Scan Schedule Grid

The Scan Schedule grid lists the scans that has been executed with the compliance box checked, displays what date the scan schedule was executed, and determines which scan schedule results that should be presented in the lower section.



### 2.2.4 Target Group Grid

The Target Group grid lists the target groups which has been defined within the system, from which you can choose the target group that you wish to present results for in the lower section.

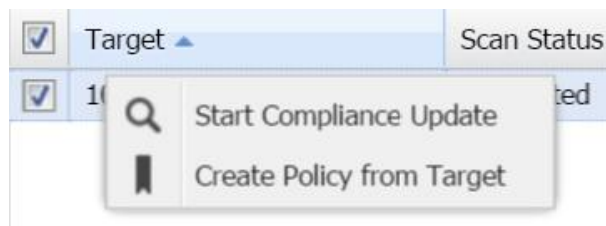
### 2.2.5 Target Grid

The Target grid displays all targets in the selected Target Group. Choose the targets within the target group that you wish to display in the lower section.

This grid will also show if the targets listed are compliant or not within the *Compliant* column, based on the policy chosen within the Compliance Policy grid:

-  - Compliant
-  - Not compliant

Right clicking any target allows you to choose one of these two options:



Option	Description
<b>Start Compliance Update</b>	Recheck registry keys on the selected target, instead of running a full scan.
<b>Create Policy from Target</b>	Create a compliance policy based on the selected target.

## 2.3 Interface Lower Section

The lower section presents the compliance report based on the options selected in the top section, and consists of three tabs.

- ▶ Technical tab
- ▶ Questions tab
- ▶ Scheduling tab

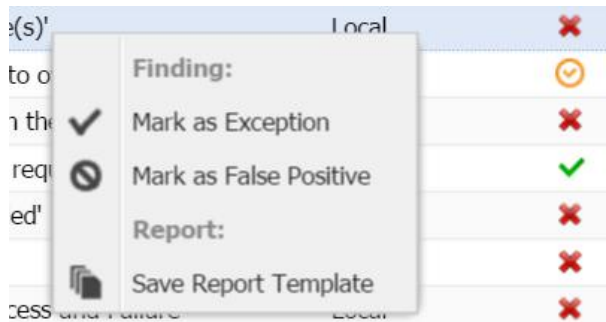
### 2.3.1 Technical Tab

The **Technical** tab presents all the results from the scanning, and is fully configurable. To customize what columns to show, click the arrow next to the column name and choose from the options presented in the table.

Target	Name	Scanner	Compliant	Requirement Level	Potential False	False Positive	Exception	Exception Expires
Target: 192.168.122.94 (223)								
192.168.122.94	1.1.1.1 Ensure mounting of cramfs filesystems is disabled	Local	✓	○	No	No	No	No exception
192.168.122.94	1.1.1.2 Ensure mounting of freevxfs filesystems is disabled	Local	✓	○	No	No	No	No exception
192.168.122.94	1.1.1.3 Ensure mounting of jfs2 filesystems is disabled	Local	✓	○	No	No	No	No exception

Option	Description
<b>Compliant</b>	Shows if the result is compliant or not. ✗ - Not Compliant ✓ - Compliant ⚠ - Marked as an exception
<b>Exception</b>	Yes, if the result has been marked as an exception.
<b>Exception Expires</b>	Date when the exception expires.
<b>False Positive</b>	Yes, if the result has been marked as a False Positive.
<b>Host Name</b>	The targets host name.
<b>Name</b>	The name of the requirement/control.
<b>Platform</b>	The targets platform.
<b>Potential False</b>	Displays if the result is a potential false positive.
<b>Requirement level</b>	Shows the level of the requirement. - None ○ - Best Practice ○ - Critical
<b>Scanner</b>	Which scanner the scan was executed on. Only visible if at least one scanner is registered.
<b>Target</b>	The targets IP address.

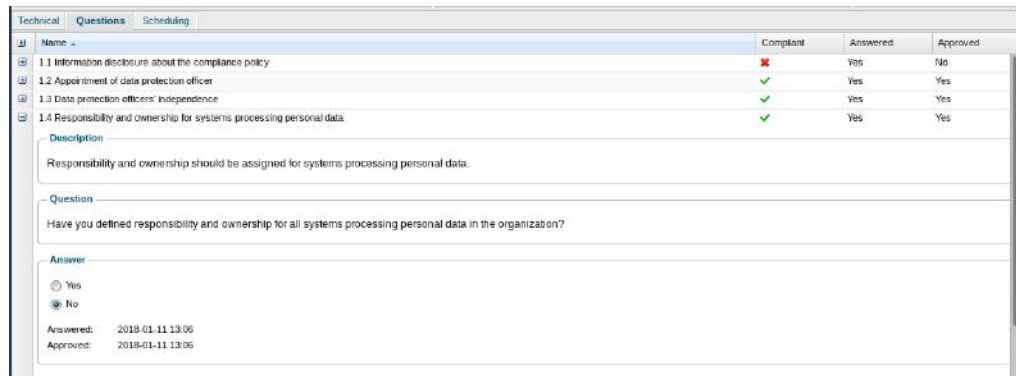
Right clicking any result allow you to choose one of the following three options:



Option	Description
<b>Mark as Exception</b>	Mark a result which is not compliant as an exception. Only available for non-compliant results.
<b>Mark as False Positive</b>	Mark a result as a False Positive. Checking <i>Send Information to the Outpost24 Vulnerability Research and Development Team</i> forward this False Positive for investigation to the Outpost24 Team. Only available for non-compliant result.
<b>Save Report Template</b>	Saves the current filtering as a Report Template.

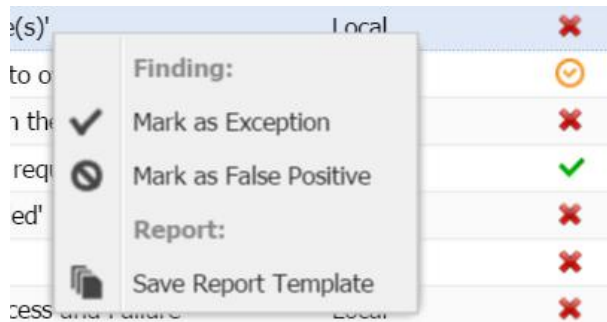
### 2.3.2 Question Tab

The **Question** tab, presents all the compliancy questions that need to be answered and approved to be compliant. To customize what columns to show, click the arrow next to the column name and choose from the options presented in the table.



Option	Description
<b>Answered</b>	Shows if the question has been answered
<b>Approved</b>	Shows if the answered question has been approved
<b>Compliant</b>	Shows if the finding is compliant or not. ✘ - Not Compliant ✔ - Compliant 🕒 - Marked as an exception
<b>Name</b>	The name of the requirement/control.

Right clicking any finding allows you to choose one of the following three options:



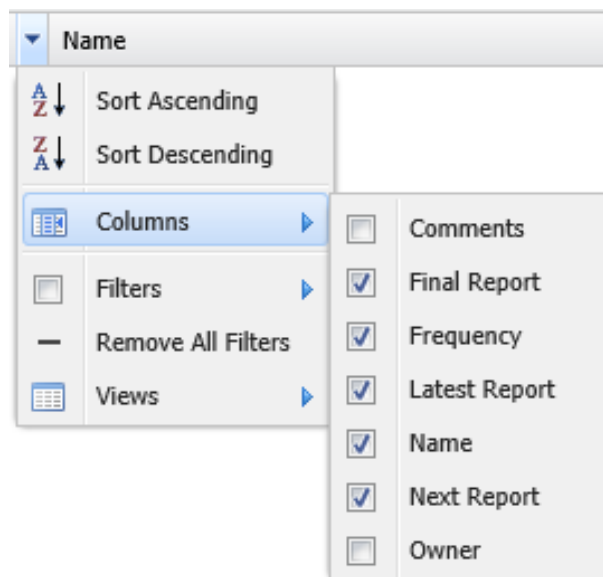
Option	Description
<b>Mark as Exception</b>	Mark a finding which is not compliant as an exception. Only available for non-compliant findings.
<b>Mark as False Positive</b>	Mark a finding as a False Positive. Checking <i>Send Information to the Outpost24 Vulnerability Research and Development Team</i> forward this False Positive for investigation to the Outpost24 Team. Only available for non-compliant findings.
<b>Save Report Template</b>	Saves the current filtering as a Report Template.

### 2.3.3 Scheduling Tab

The **Scheduling** Tab allows for maintenance of already existing scheduled reports or creation of new scheduled reports to be sent out on the defined schedule timing.

Technical Questions Scheduling				
+ New - Delete Send Now Disable				
Next Report	Name	Frequency	Latest Report	Final Report
2018-01-21	Compliance Report	Weekly	Never	2018-01-31

The Scheduled Reports grid is configurable. Clicking the arrow next to the name of any grid column allows for customization of which of the following columns that will be displayed:



Option	Description
<b>Comments</b>	Comments about the report.
<b>Final Report</b>	On what date, the final report is sent.
<b>Frequency</b>	How frequently the report should be generated.
<b>Latest Report</b>	Last time the report was generated.
<b>Name</b>	Name of the report.
<b>Next Report</b>	The next time when the report will be generated.
<b>Owner</b>	The owner of the report.

## Create New Scheduled Report

**New** in the upper left corner toggle a new window, *Maintaining Report Schedule*, which presents various options on how to schedule the compliance reports.

Maintaining Report Schedule
✖

Name:

Report Type:

**Schedule Timing**

Next Report:

Report Frequency:

Settings

Comment

**Schedule Settings**

Day in Week/Month:

Run Until:

**Report Settings**

Include policy settings

Include report in PDF format

Include Report in XLS format

Compress attachments (zip)

Password:

**Recipient**

Recipient:

Email:

Email PGP Public Key:

Subject:

Add text:

**Report Template**

No data

**Target Groups** | Target List

📁 All targets	10
📁 Discovered targets	1
📁 PatchTargets	9



### Schedule Timing

Settings to configure how frequently the report should be sent:

Option	Description
<b>Next report</b>	Define the next time when the report should be scheduled. For example, next Monday.
<b>Report Frequency</b>	Define how frequently the report should be sent out. For example, every Monday. <b>Once</b> – Only send the report once <b>Weekly</b> – Every week, starting on the day set in <i>Next Report</i> . <b>Monthly</b> – Every month, starting on the day set in <i>Next Report</i> . <b>Bimonthly</b> – Every second month, starting on the day set in <i>Next Report</i> . <b>Quarterly</b> – Every third month, starting on the day set in <i>Next Report</i> . <b>Fortnightly</b> – Every second week, starting on the day set in <i>Next Report</i> . <b>Daily</b> – Every day, starting on the day set in <i>Next Report</i> .

### Schedule Settings

The *Schedule Settings* are activated depending on the value of the *Report Frequency*. It allows you to configure what day in week or month the report should run.

- ▶ Day of week
- ▶ Day of month
- ▶ Day of week in month

*Run Until* allows you to set an end date for when the report period should end.

### Report Settings

This section gives you the option to choose if you wish to include the policy settings in the compliance report, if the report should be in PDF, XLS format or both, compress attachment in a zip format, and if the file should be password protected or not.

### Recipient

Choose between sending the report to any of the defined users within the system, or *Custom* for which main account users or super user can define the email address to send the report. It is also possible to choose between *encrypting* the email with a public PGP key, or *no encryption*.

This section also gives you the option to customize the email that are sent out with the compliance reports. If nothing is entered the pre-defined text will be used.

## Report Template

Choose the report template that you wish to use. Report Templates are created within the Compliance Module by filtering findings on columns, right clicking any entry within the findings grid and choosing *Save Report Template*.

## Target Groups

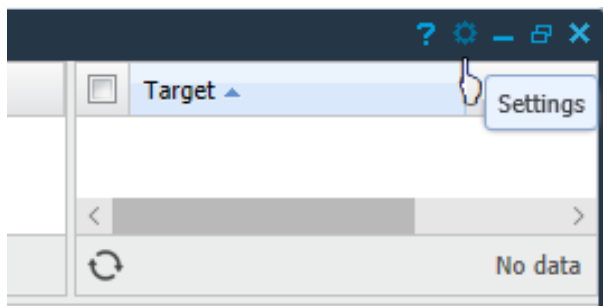
Choose which Target Group the report should include.

## Target List

Choose which targets, from the target group, the report should include.

## 2.4 Privacy Settings

To access the settings window, click the cogwheel in the upper right corner.



In **Settings**, the *Compliance Policy Ownership* can be set to either **Public** or **Private**. This setting determines if the policies will be visible for all users within the tool by default, or only for the user who created the policy.

