Outpost24

Vulnerability Management made easy

Reporting Tools

A Guide to Manage Reporting in OUTSCAN/HIAB

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Table of Contents

About this Document

The purpose of this document is to provide users a comprehensive overview of the Reporting Tools for OUTSCAN and HIAB. This document has been elaborated under the assumption that the reader has access to the OUTSCAN/HIAB account and Portal Interface.

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

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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.*

Log in using your credentials.

To access the Reporting Tools module, go to

- **Menu → Reporting Tools**

(Or)

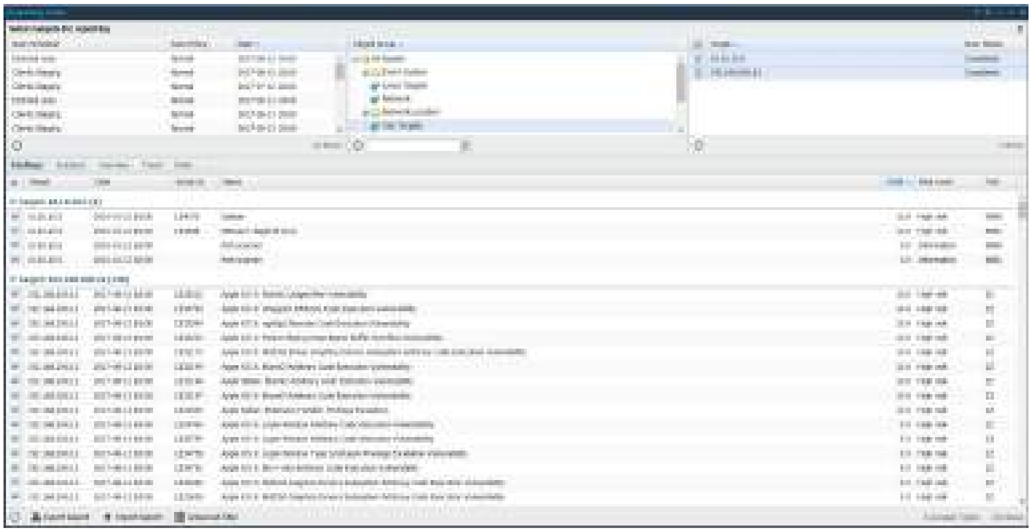
- **Menu → Target Scanning → Reporting Tools**

***Note**: Only available if you have many products.*

2 Elements of Reporting Tools

(Portal Interface - Reporting Tools)

The Reporting Tools portal interface is made up of several elements arranged in different blocks, which help in building informational and customized reports.



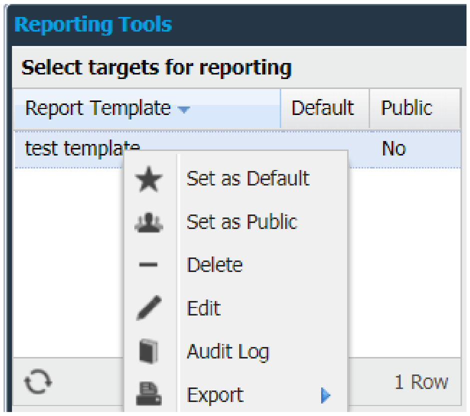
Each grid consists of several different columns. To enable or disable a column, click the arrow next to the column name and select **columns** in the drop-down menu.

2.1 Selecting Report Contents

The top section of the reporting grid allows you to select for which targets the report content is displayed at the bottom grid. It is important to identify the correct scan schedule for Report Generation.

2.1.1 Report Template Grid

The Report Template grid is used to filter the targets by defined templates and is visible only if there are any saved templates.



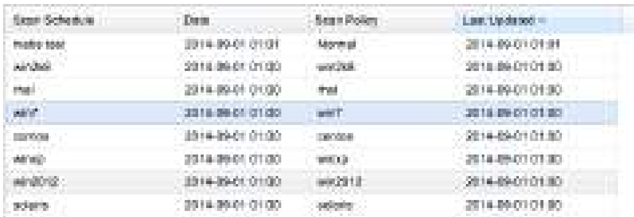
A template is a saved setup which includes targets, target groups, scan schedules, filters, grouping, and columns. This setup is applied to the findings tab when a template is selected. Creating a report template is done by right clicking any finding in the finding grid after that you have filtered on desired columns and thereafter chosen **Save Report Template**. Changing the default status of a template is made by right clicking the entry and select **Set as Default** or **Clear Default**. That template which is **Set as Public** is available for all users. If **Set as Private**, the template is protected from all users and viewed only by the user who created it.

If a template is marked as default, its settings are applied by default whenever the reporting section is opened.

Note*: If the filters do not provide any entries, click on any field (column name) and create a template from there.*

2.1.2 Scan Schedule Grid

The *Scan Schedule* grid allows you to select a specific scan schedule that has been executed. If the scan schedule has been executed multiple times, you can select any specific scan target to examine the details. To deselect a scan target, re-click on the selected entry.



The visible columns are:

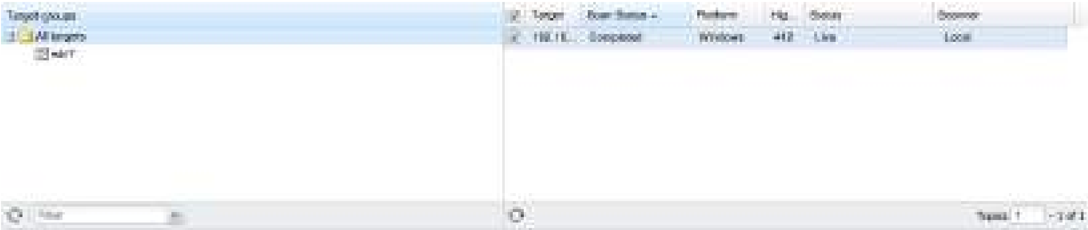
Option	Description
Scan Schedule	The name of the scan schedule that was executed.
Scan Policy	The name of the scan policy that was used for that scan.
Date	The start date and time of the scan.
Last Update	The last time this report was updated using the Scanning Less Scanning (SLS) feature.

Additional functions in the Scan Schedule grid.

Option	Description
Show Delta	Right-click and select Show Delta. This action opens the Delta tab.
Scan	Right click and select Scan to initiate a scan immediately.
Update Scan Results	Execute a SLS against the targets selected. This option is not available if the scan is older than a month.

2.1.3 Target Groups

The targets section allows you to select a specific or a group of targets. It is further divided into **Target groups** and **Targets**.



It is used to select group(s) to display in the **Targets** grid.

To select multiple Target Groups, press and hold **Shift** or **Ctrl** while choosing multiple items in the target group tree.

Filter allows the filtering of **target groups** based on name. Enter part of the desired target name and the tree is filtered to show only the target groups that match the filtering string.

2.1.4 Targets

It displays the targets contained in either the selected schedule or targets groups. It allows you to determine which targets should be included in the report. At least one target must be selected to generate a report.

Additional functions from the target column:

Option	Description
Delete Report	Right-click and select **Delete Report**. ***Note****: This action deletes the entire report, even if the report is filtered based on some criteria. It cannot be reverted. To delete a report, user role must have the necessary privileges.*
Export	Exports currently visible data as HTML or CSV.
Update Scan Results	Execute a Scanning less scan against the selected targets. This option is not available if the scan is older than a month.
Scan	Starts a scan against the selected targets in the Target Grid. ***Note****: Only available if the Force target groups in schedule option is disabled. To disable this, go to* ***scan scheduling→ settings****.*
Grant Support OUTSCAN only	This option allows you to define a time window during which the support team can view your report. ***Note:*** *No alert is sent to the team, so you must notify them once the task is performed.*

The Target grid is configurable and includes the following columns.

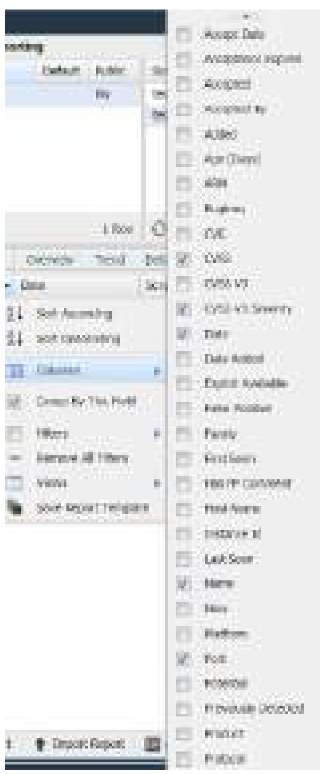
Option	Description
High Risk	The number of high risks detected on the specific target.
Host Name	Host name of the target.
Instance ID	The Amazon Web Services (AWS) instance ID of the target.
Low Risk	Number of low risks detected on the specific target.
Medium Risk	Number of medium risks detected on the specific target.
NetBIOS HIAB only	The NetBIOS name of the target.
Platform	Detected platform of the target.
Scan Status	Displays how the scan ended. For any vulnerabilities to be present in the reporting grid, the scan status should state **Completed.**
Scanner HIAB only	Displays which scanner the scan was executed on. Only visible if at least one scanner is already registered.
Status	Shows if target were alive or unreachable during the scan.
Target	Shows IP address/hostname/NetBIOS of the target.

2.2 Findings

The **Findings** tab lists all the findings that were found based on the target selection in the **Select targets for reporting** grid. Click on **+** located to the left of the target name, to view full details.

2.2.1 Customizing Reports based on Findings

By clicking the arrow next to the name of any column, you are provided with the options shown below.



Columns

Select a specific column to know that information about a finding. All selected columns are displayed in the *Findings* grid. The available options are described below.

Option	Description
Accept Date	Date when the risk is marked as accepted.
Acceptance Expires	The date when the risk is not considered accepted anymore.
Accepted	Displays if the risk is accepted or not.
Accepted By	Informs you of which user it was that accepted the risk.
Added	Flags if the finding was added during SLS (Scanning less Scanning).
Age (Days)	How old the vulnerability is.
ARN	Only available if AWS has been enabled. The AWS Amazon Resource Name (ARN) for the target.
Bugtraq	Bugtraq ID of the vulnerability.
CVE	Common Vulnerabilities and Exposures (CVE) entry of the vulnerability.
CVSS	Common Vulnerability Scoring System (CVSS) score of the vulnerability.
CVSS V3	Score of the vulnerability according to CVSS v3.0.
CVSS V3 Severity	Severity level of the vulnerability according to CVSS v3.0.
Date	The date when the vulnerability was found.
Date Added	The date when a specific entry was added.
Exploit Available	Determines if there is a publicly available exploit present for this vulnerability.

Option	Description
False Positive	Shows if the vulnerability has been marked as a false positive.
Family	The name of the family which the vulnerability belongs to.
First Seen	When the vulnerability was first discovered on the specific target.
Has FP Comment	Flags if the finding has a false positive comment.
Host Name	The configured host name for the target.
Instance ID	Only available if AWS has been enabled. The AWS instance ID of the target.
Last Seen	When the vulnerability was last seen.
Name	Name of the vulnerability.
NetBIOS	HIAB only. The NetBIOS name of the target.
New	Flags if the vulnerability is new and has not been found in previous scans.
Platform	Detected platform of the target.
Port	Displays on which port the vulnerability was found.
Potential	Flags if this finding has been marked as a potential false positive by the system.
Previously Detected	Shows if this vulnerability was detected in previous scan
Product	Shows the vulnerable product.
Protocol	Displays the protocol used (ICMP, IGMP, TCP, UDP).

Option	Description
Risk Level	Displays the risk level of the vulnerability (High, Medium, Low, Informational).
Scanner	HIAB Only. Which scanner the scan was executed on.
Script ID	ID of the script which detected the vulnerability.
Service	Which service that was found on the port.
Solution Patches	Displays patches needed to remediate specific vulnerability. ***Note**: Applies to windows targets only.*
Target	IP address of the target.
Type	Displays the type of the finding (Port, Information, Vulnerability).
Verified	Shows if the vulnerability has been verified.
Virtual Hosts	The virtual hosts for which the vulnerability has been reported.
Vulnerability Type	Displays what kind of vulnerability the finding is.

Note:

The assigned ticket holder name can now be viewed in the details of that finding.

The information displayed is included in the report. To add relevant custom attribute columns through **Main Menu → Settings → Attributes**. It can also be used for additional filtering.

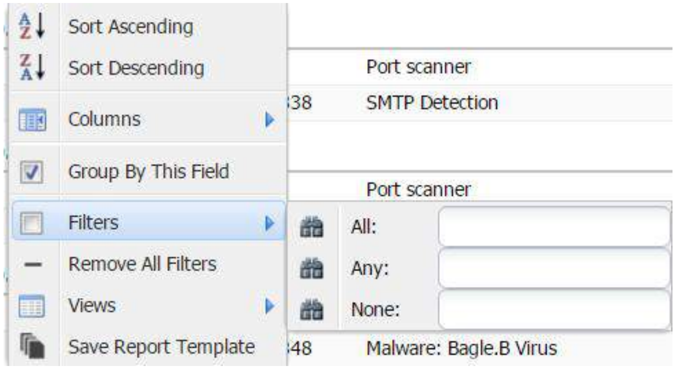
Group by this field

Most of these columns allow filtering, which gives you the option to display a subsection of all data available. To group or ungroup the grid, click the arrow next to the column name and select/deselect **Group by this field**. After grouping, all entries with similar values are displayed together in a group.

Filters

To enable filters, open the dropdown menu and select **Filters**. Depending on the existing kind of data within the column you are presented with various filter options:

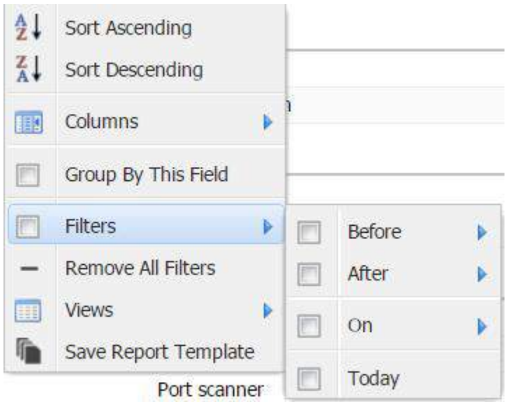
Textual Filter



Textual filter displays three text fields. It is possible to use all three at once to limit the results, but you can also use quotes to match an entire phrase or string.

Option	Description
All	Displays records that contain all the search words.
Any	Filters on records that contain any of the search words.
None	Excludes all records that contain any of the search words.
Not Detected	Display entries whose platform is not detected. This option is only available on Platform column.

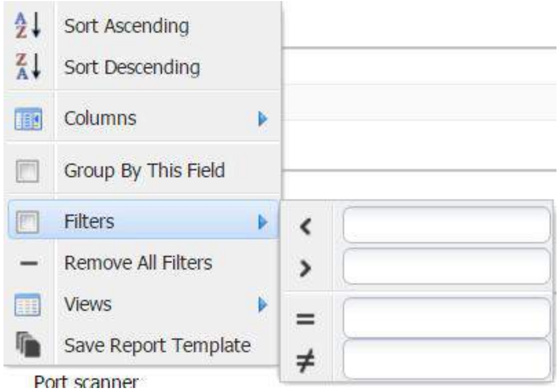
Date Filter



Date displays few of the below options based on the column selection.

Option	Description
Before	Display all entries before the provided date.
After	Display all entries after the provided date.
On	Display all entries on the provided date.
Today	Display all entries from today.
Never	Display all entries with value *Never*.

Number Filter



Number include and/or exclude entries dependent on numbers.

Option		Description
<	**Less than**	Filter entries on values lesser than the provided value.
>	**Greater than**	Filter entries on values greater than the provided value.
=	**Equal to**	Filter entries that are equal to the provided value. This field allows you to enter both ranges and comma separated list of values.
≠	**Not equal to**	Filter entries that are not equal to the provided value, this field allows you to enter both ranges and comma separated list of values.

Generic Filter

Used to filter findings on generic ports.

Yes/No Filter

Choose to filter on either **Yes** or **No**.

Values Filter

If the field only contains a small set of values, they are listed in the filtering menu. Select those you wish to include.

Type Filter

You can filter based on the type of finding. The available types are as follows:

- **Vulnerability**
- **Information**
- **Port**

Risk Level Filter

You can filter the findings based on the risk level.

Options	Description
High risk	Display all findings identified as high risk.
Low risk	Display all findings identified as low risk.
Medium risk	Display all findings identified as medium risk.
Information	Display all findings which are not identified as risks.

Protocol Filter

You can filter the findings based on protocol.

Options	Description
ICMP	Display all vulnerabilities those were found using ICMP.
ICMP	Display all vulnerabilities those were found using IGMP.
TCP	Display all vulnerabilities those were found using TCP.
UDP	Display all vulnerabilities those were found using UDP.

Verified Filter

You can filter the findings based on the verification status of the finding.

Options	Description
Not verified	Display all vulnerabilities which are still not verified.
No longer present	Display all vulnerabilities which are no longer present.
Still present	Display all vulnerabilities which are still present.

Vulnerability Type Filter

You can filter the findings based on type of the vulnerability. The different possibilities are given below:

- **Unknown**
- **Dos**
- **Code Execution**
- **Overflow**
- **Memory Corruption**
- **SQL Injection**
- **XSS**
- **Directory Traversal**
- **Http Response Splitting**
- **Bypass**
- **Gain Information**
- **Gain Privileges**
- **CSRF**
- **File Inclusion**
- **Information**

Remove All Filters

To remove all filters, click the arrow next to the column name and select **Remove All Filters**.

Views

To save the current view of the findings grid which includes current filters and displayed columns, click the arrow next to the column name and select **Save View**. After adding the view, you can either **Delete View** or directly click on the name of saved view to view the respective settings.

Note*: Views are beneficial when you wish to see only selected columns. For ex: host name and risk level.*

Save Report Template

After adding the desired columns and respective filters, you can create a template by selecting select **Save Report template**.

Create Dynamic Target Group

This option does not show up if you do not have any filter. Create a dynamic group based on scan results. The currently applied filtering is used and any target in the latest scan that has findings matching these filters are included in the group. When a new scan for a target is completed, the groups are updated based on the previously set dynamic group filters.

2.2.2 Functionalities of Findings

The following actions are possible when you right click on a finding:

Mark as False Positive

Marks this finding as a false positive. While creating the scan policy for a scheduled scan, you have an option to disable the script, so that the script does not run again. You can send additional information to the Technical Service Team if you select to inform about the problem. This information is used to further improve the vulnerability database. To unmark an entry as a false positive, select **Unmark as False Positive**. A false positive can still be listed in the results but marked as a false positive in the exported report.
Note*: It is not possible to delete individual findings from report.*

Request Clarification

Request clarification from the Technical Service Team regarding the finding.

Assign Task

Assign task lets you to set the priority. P5 is highest by default. It can be customized in the ticket system. Include a due date, add an assignee, and supply additional comments. There are two types of ticketing systems.

Options	Description
Internal	The default ticketing system which is used in OUTSCAN/HIAB.
External	This can be configured using Integrations tab (**Main menu → Settings → Integrations**).

Verify

Starts a verification scan that checks if the finding is still existing on the target.

Add Comment

This functionality allows you to add a comment to the vulnerability, which is included in all findings of this vulnerability. The **show comment on future findings** option adds the comment to the vulnerability database. This makes it visible in all future reports.

Accept Risk

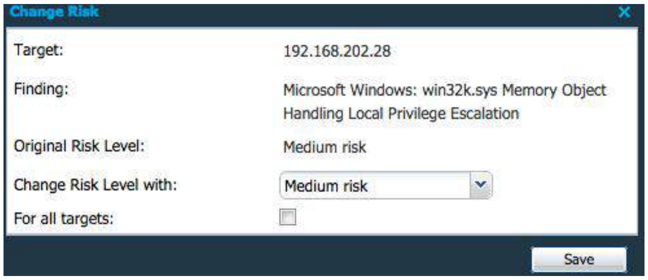
This functionality allows you to set the number of days to accept the risk of this vulnerability. The accepted risks show up in the finding information and in the exported reports. You can set to allow it forever and can also add a comment why it has been accepted.
There are four different options available for accepting a risk:

Option	Description
Accept forever	Select if accepting risk forever.
Accept for number of days	Set number of days to accept risk.
Accept until	Set date until to accept risk.
Targets	► **Current target**: Accepts only for the target where the findings currently exists. ► **All currently selected:** For all currently selected targets in Target window. ► **All targets including new:** All targets including targets added in the system later. ► **All target groups of current targets:** All target groups where currently selected target(s) exist(s).
Comment	Add explanation for accepting the risk (not mandatory).
Set as Default	This option is available only for Main User or Super User. If this option is enabled, the settings in the window are saved as default settings.

Select **any** option to accept the risk of this vulnerability for corresponding targets. If this finding is still existing during the next scan, it automatically imports the acceptance settings as of the previous scan.
Remove accepted risk: This removes the risk acceptance on all the selected vulnerabilities. Select any of the above four options to remove the risk acceptance for respective vulnerabilities.

Change Risk

This functionality allows you to modify the risk level for this specific finding/vulnerability. Once selected, a window is displayed which allows you to change the risk level from a drop-down menu. After selecting a preferred risk level press the **Save** button. Any updated risk level is displayed in italics in the portal interface.



Save Report Template

This functionality allows you to save the current settings/view of Reporting Tools as a report template. Whenever you are selecting a report template, note that the latest report template is shown for the selected targets/scan job. You can either select to overwrite an old report template or create a new one. You can set it as default, which means it is selected whenever you open the reporting section. You may also mark it as public, which means that all users who can see your account can see and use your report template.

Create Dynamic Target Group

Create a dynamic group based on scan results. The currently applied filtering is used and any target in the latest scan that has findings matching these filters is included in the group. When a new scan for a target is completed, the group is updated based on the previously set dynamic group rules.

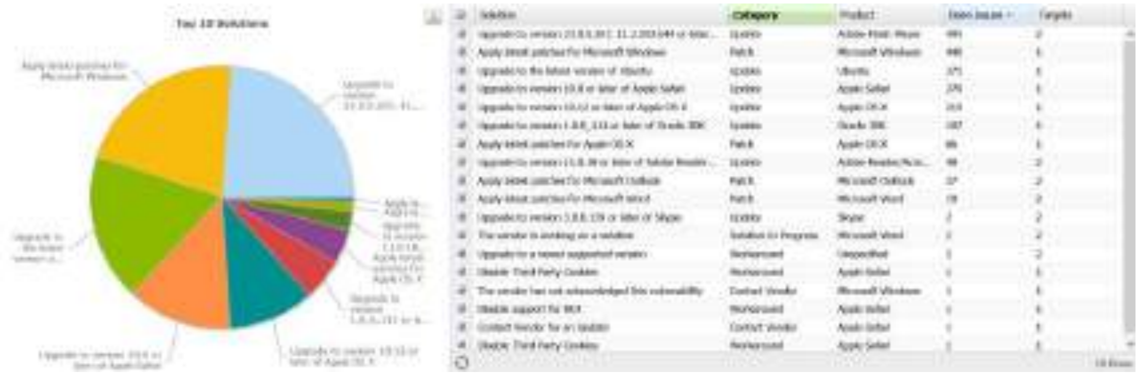
Export

Exports the currently visible data from the grid to one of the below formats.

Options	Description
Export HTML	This option takes you to a HTML page with data which can be saved or copied from.
Export CSV	This provides you a Comma Separated Value list exported in the form of a .csv file.

3 Solutions

The **Solutions** tab provides a graphical overview of the top 10 solutions for the vulnerabilities listed in the **Findings** tab. The information presented here helps an organization to quickly identify solutions that resolves multiple vulnerabilities and helps in planning and prioritizing tasks.



The solutions grid on the right side is configurable and includes the following columns:

Option	Description
Category	Describes the type of the solution.
High Risk	Number of vulnerabilities identified as high risk.
Medium Risk	Number of vulnerabilities identified as medium risk.
Low Risk	Number of vulnerabilities identified as low risk.
Open Issues	Number of issues that can be resolved by applying the given solution.
Product	Displays the product to which the solution is applicable.
Solution	Indicates if there is an existing solution to the identified vulnerability.
Targets	Number of targets affected.

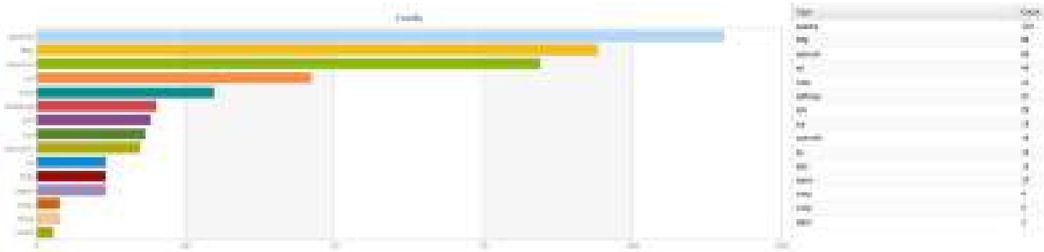
By clicking on a specific solution in Pie Chart or solution grid, another small grid opens up below which provides and detailed view of the relevant vulnerabilities.

3.1 Overview

The **Overview** tab displays graphs using the vulnerability information from your report. The different graphs are described below.

Family vs. Count

Overview based on Family vs. Count - Number of findings in each script family



This graph helps us to identify the number of vulnerabilities associated with a specific family type. The associated tabular column has two fields:

- **Type:** Representing family type.
- **Count:** Number of vulnerabilities identified.

Port vs. Count

Overview based on Port vs. Count - Number of findings on each port

This graph helps us to identify the number of vulnerabilities found on a specific port. The associated tabular column has two fields:

- **Port:** Port number.
- **Count:** Number of vulnerabilities identified.

Risk vs. Count

Overview based on Risk vs. Count - Number of findings with risk levels, Low, Medium and High

This provides a graphical bar, which helps us to identify the number of findings classified based on risk levels. The associated tabular column has two fields.

- **Risk:** Indicates the Risk level of the findings.
- **Count:** The total number of findings.

Accepted Risk vs. Count

Accepted Risk vs. Count - Number of findings marked accepted risk with risk levels, Low, Medium and High

The final section of overview tab indicates the accepted risk levels of the total number of accepted risks:

- **Accept Risk:** Indicates the risk level for the accepted risk.
- **Count:** Number of accepted risks.

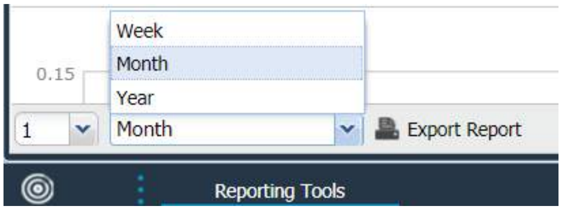
3.2 Trend

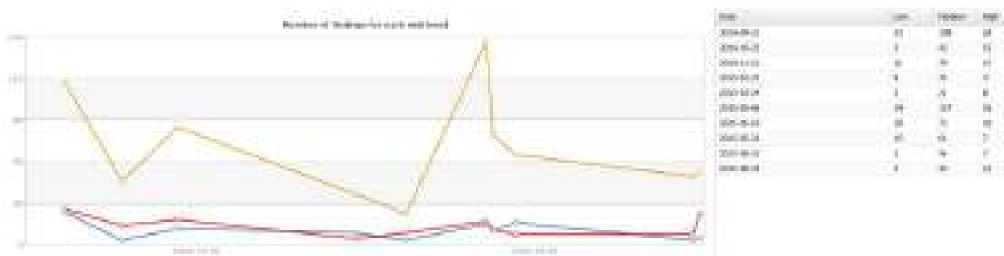
The **Trend** tab displays the vulnerability evolution for a target over time. It is possible to select different time spans to be presented. It also provides a timeline of how risk has been handled, thus helps the risk remediation process. The available graphs are:

Number of Findings for Each Risk Level

Displays a graph of the total number of findings at each risk level during the selected time span.

You can select the required time span from the bottom left of the window.





The tabular column provides information about date and the different risk levels associated with the findings.

Number of Accepted Risks for Each Risk Level

Displays a graph of the total number of accepted risks at each risk level during the selected time span.

The tabular column provides information about the date of the scan and the corresponding risk levels of the accepted risks.

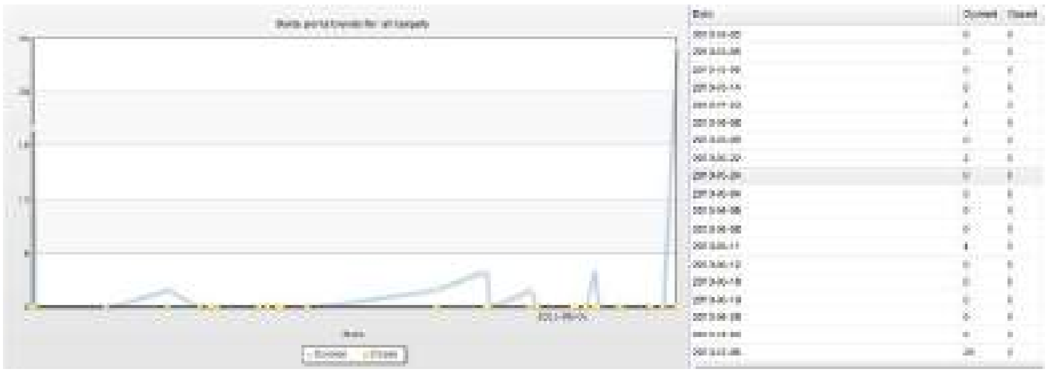
Delta Findings for All Targets

Displays a graph of the total number of delta findings for all targets during the selected time span.

The associated tabular column shows the date and number of findings added/removed on all targets for that specific date.

Delta Port Trends for All Targets

Displays a graph of the total number of delta port trends for all targets during the selected time span.



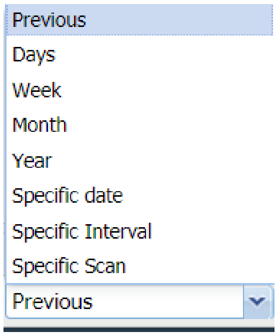
The associated tabular column shows the date and the changed open/closed ports on all targets for that specific date.

Tips and Tricks *- Export Reports for Trend and Group Trending*

*The **Export** button below on the left corner in the **Trend** tab helps you generate trend reports. The trend and the group trending information is very useful during formulation of risk remediation strategies.*

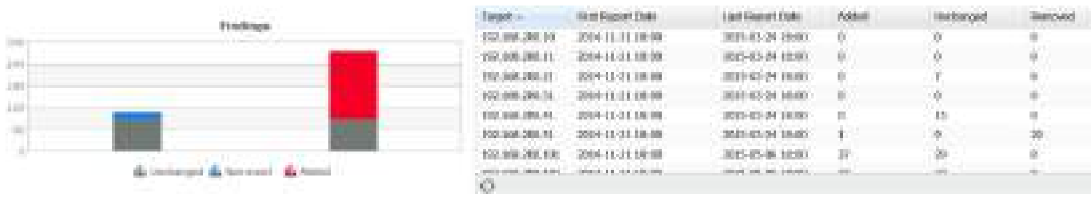
3.3 Delta

The **Delta** tab helps to compare two reports for a chosen period and shows the number of added/removed vulnerabilities on the targets. You can select the report for comparison based on the time it was generated. Options are available at the bottom left of the window.



Delta tab contains two graphs:

- **Findings:** Displays the number of added/removed and unchanged vulnerabilities for a target during a chosen period.
- **Ports:** Displays delta information regarding opened, closed and unchanged ports.



By clicking in the graph, you can display the actual findings that the section correlates to. Once these are displayed, you can perform the common functions of those findings. It is possible to select different time spans to be presented.

***Tips and Tricks** - Export Graphs from Delta and Trend Tabs*

Each graph can be exported as a PNG images by clicking the arrow button on top right of the graph.

Tips and Tricks *- Correlate to the actual findings*

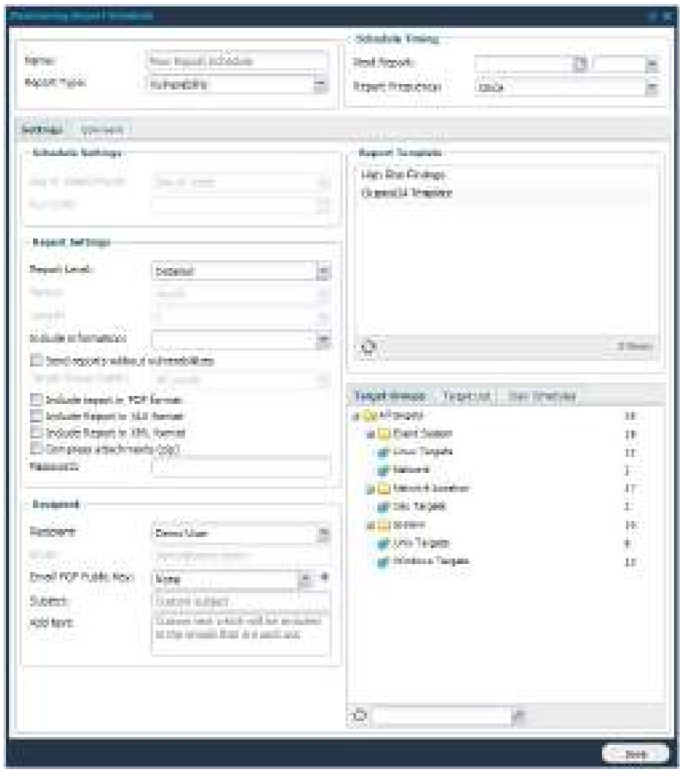
By clicking on the graph, it displays the actual findings the section correlates to. Once those are displayed, you can perform the common functions as described in the Findings section.

Tips and Tricks *- Export Reports for Delta*

Click on ***Export report*** *at the bottom to generate a delta report. The delta and the group delta information are very useful in analyzing the changes made and can be a good guide during allocation of resources for risk remediation.*

3.4 Scheduling

The **Scheduling** tab gives you the opportunity to schedule reports to be sent out based on either a target selection or by a report template.
Clicking **New** opens **Maintaining Report Schedule** which presents you with the following options:



Settings

Option	Description
Name	Name of the scheduled report.
Report Type	Define the report type.

Schedule Timing

Option	Description
Next Report	The next date and time, this report is sent to the recipient.
Report Frequency	How often the report is generated.

Settings

Option	Description
Report Level	Define how detailed the report should be.
Include Information	Define what kind of information that is to be included in the report.
Send reports without vulnerabilities	This feature is used to send the reports even if there are no vulnerabilities present in it.
Include report in PDF format	Attach the report as a PDF file.
Include report in XLS format	Attach the report as a XLS file.
Include report in XML format	Attach the report as a XML file.
Compress attachments (zip)	It allows you to create a zip attachment which decreases its size.
Password	Enter a password if you wish to export the report password protected.

Recipient

Option	Description
Recipient	Provide a name to whom you wish to send the report. Custom is only available if you have super user privileges.
E-mail PGP Public Key	If desired, add a PGP Public Key to be used for encryption, when emailing the report.
Subject	Custom subject for email.
Add text	Custom text which is included in the email.

Report Template Grid

Choose which Report Template you wish to use:

Option	Description
Target Groups Grid	Choose which Target Group you wish to include in the report.
Target List	Enter specific targets you wish to include in the report.
Scan Schedules	Choose which Scan Schedules you wish to include in the report.

Comment

This is an optional value which allows you to add additional comments on report schedule. These are shown in C**omments** column of **Report Schedule** grid.

If you wish to send a report immediately, select the scheduled report and click **Send Now**.

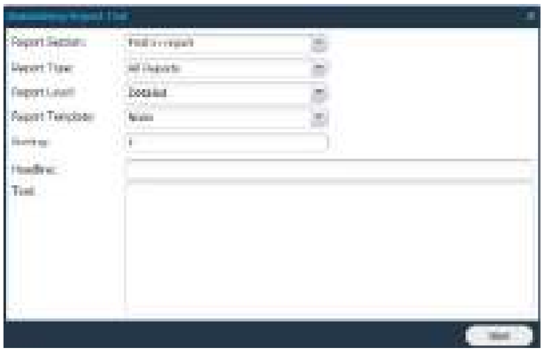
Steps to Modify and Delete a Schedule:

Delete: Allows you to remove the report schedule that you have currently selected.
Edit: To edit a schedule, right-click on it and select **Edit**.

3.5 Text

The **Text** tab allows you to customize the exported reports. This text is added to selected report types in specified section while exporting reports.

Clicking **New** opens **Maintaining Report Text** which presents you with the following options:



Option	Description
Report Section	Choose if you wish to add pages at the beginning or the end.
Report Type	Select the type of report.
Report Level	Select the report level.
Report Template	Name of template for which this custom text is applicable.
Sorting	Define the order for this page.
Headline	Add a title to the page.
Text	Type text that needs to be included in the report. You may use the following tags to format the text: ▶ **[B: [Bold]]** ▶ [U: [Underlined]] ▶ [*I*: [*Italic*]]

This grid shows the custom texts that have been configured. The look can be customized by choosing necessary columns:

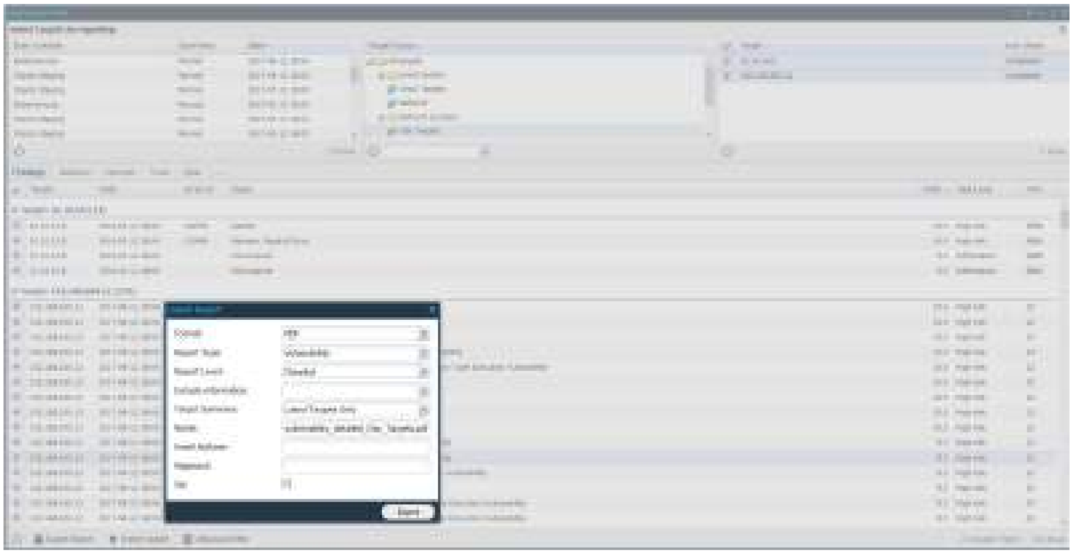
Option	Description
Headline	The title of the page added.
Report Template	Name of the template for which this custom text is applicable.
Report Type	Displays the report type for which the custom text is included.
Location	Displays where the text is added in the report.
Sorting	While adding many custom texts at the same location, the sorting value determines the order by which they appear in the report.

- **Delete** removes the selected entry.

4 Export Report

A report can be exported using the **Export Report** option visible on the bottom left of **Reporting Tools** window. They can be exported from Findings, Solutions, Trend and Delta tabs. Reports can be customized using different reporting formats, types and levels.

4.1 Export Report from Findings



4.1.1 Format

A report can be exported in the most commonly and widely used document formats. The available reporting formats are as follows:

Option	Description
PDF	This is the most commonly used reporting format. The reports generated in PDF format can be password protected.
Excel	The reports generated using excel format, have a lot of tabular information, which can be useful when reporting information to IT/Security department or similar divisions.
XML	This format is the default industry standard used for data exchange and integration. The reports generated in XML format are typically used for integration and automation.

4.1.2 Report Type

Based on the type of scan and the type of information, we can select the corresponding report type. There are three report types:

- **Vulnerability**
- **Group Vulnerability**
- **Web App Discovery**

Vulnerability Reporting

OUTSCAN Vulnerability Detailed Report

Linux Targets

2017-03-23

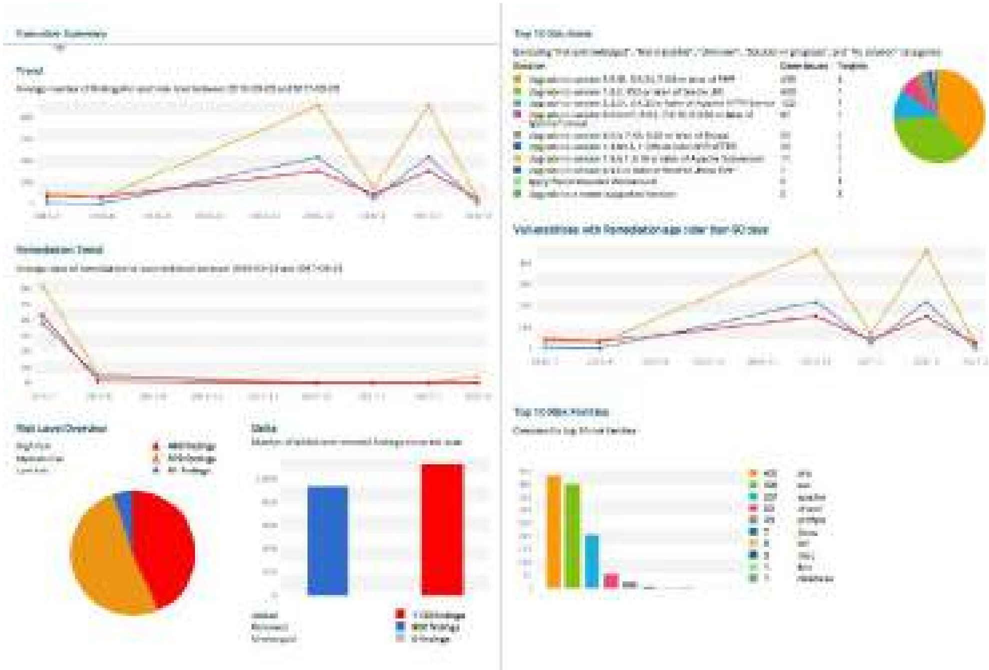
Report Information

This section contains generic information about the report fields as mentioned below.

Report Information

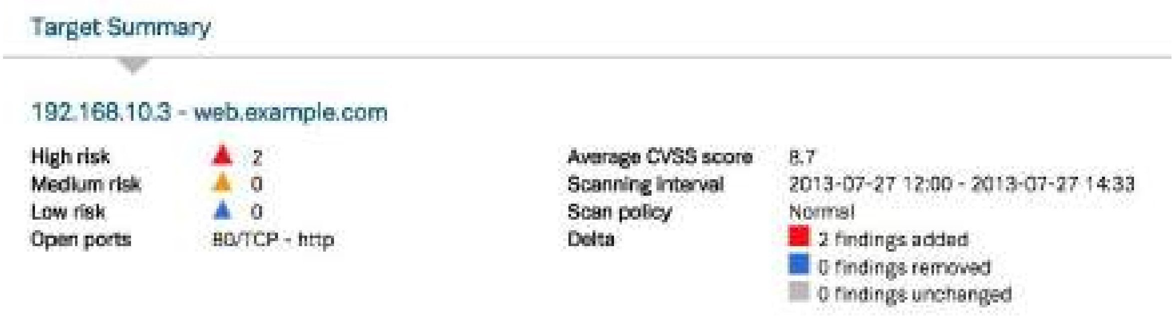
Report type	Vulnerability
Report ID	[illegible]
Date report was created	2017-03-23 08:57
Timezone for dates	GMT+1
Report created for	
Report generated by	Demo User
Report interval	2016-03-18 17:00 - 2017-03-18 17:00
Number of targets scanned	12
Number of risks found	1133
Findings sorted by	CVSS

Executive Summary



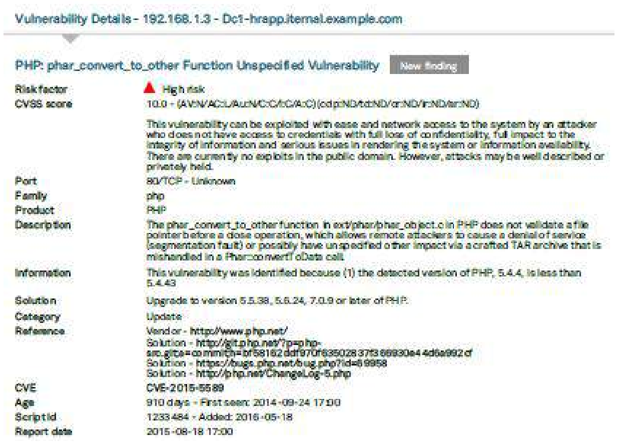
The **Executive Summary** (figure above) shows the trend information, risk and solutions. It provides us with graphical information, which is very informative and useful to report findings to the top management. It is user-friendly and important section of the report. This section is available as default for all the report formats.

Target Summary



The **Target Summary** gives us an overview of the target information. The information in this field is specific to the target in context. It contains the information about target IP, hostname, open ports, risk levels, scan time, policy and delta information.

Vulnerability Details



This section provides a complete and comprehensive overview of the findings reported on each target. The complete list of vulnerabilities found on each target is described in detail. The reported findings are explained with the help of risk level, CVSS score, family, source/reference, description of the vulnerability, and information fields. Each vulnerability has a unique script ID.

Modification List

All the changes made to the scan policy or to the targets are reflected here in this section.

Scan Tracking List

This list provides information about scan track ID, which is useful while handling some support cases.

Group Vulnerability Report

This report is used to analyse reported findings for specific target groups and corresponding sub groups. The group vulnerability report is configurable based on selected group under target groups and number of levels set under **Target summary**. By selecting the Target summary, you can adjust the number of subgroups that need to be a part of the report. The Target group depth follows a top down approach.

Example*: If the Target Group Depth is set to* ***two levels*** *for a selected target group, the next two levels of subgroups are included in the report.*

In this way, reports for large target groups can be broken down into reports for specific groups and subgroups.
The first two sections are common for all reports, refer to Report Type. The remaining sections are as follows:

- **Group Summary**
- **Group Details**

***Tips and Tricks** – Plan it correctly*

Group vulnerability reports can help large organizations to analyze the risk levels based on organized groups and subgroups and define a plan to remediate risks in an ideal way.

Group Summary

The group summary section provides the information about risk and remediation including the list of findings exceeding a specific age set by user. Number of findings are reported in the group/subgroups. This section of the report also displays the **Group level**.

Group Details

An elaborated explanation for all the findings, in other words the detailed vulnerability report is found under **Group Details**. These findings are listed for all targets under the selected group depending on the depth level.

Web App Discovery


OUTSCAN Security Report

2017-03-30

This report provides the information about URIs discovered and scanned during a scan. This report can be used when a web app is set enabled under a scan policy.
The web app discovery report has the following sections:

Report Information

The report information describes the basic information about the report. It consists of fields like report type, report ID, date, time zone, created for/by, number of targets and report interval.

Executive Summary

The executive summary contains graphical information about URIs (discovered/scanned/external), delta information about number of new and removed URI since the last scan.

Web App Discovery Summary

The web app discovery summary gives numerical information about URIs discovered externally, URIs discovered internally, URIs scanned, number of virtual hosts discovered and the scanning interval.

4.1.3 Report Level

The report level helps you manage reports based on management hierarchy. It helps you generate the correct report based on how much information is needed and in which form. It can be observed that the information varies in the figures above, thus making each report exclusive depending on its functionality and audience.
There are three reporting levels:

- **Detailed**
- **Summary**
- **Management**

Detailed

The detailed report is the longest report that can be generated. It has in depth technical information about findings, targets, risk-levels, CVSS, report and additional information about the finding. As an example, the figure above displays the first page of a vulnerability report with level set to detailed. The report contains six sections and has detailed information about all the vulnerabilities and targets. This report is mostly directed towards system administrators and security consultants in an organization.

Summary

The summary report is the ideal sized report with report information, executive summary and target summary. This report provides just about the right information required by the IT department of any organization.

Management

The management level report gives us a summary of the vulnerabilities and risks reported. It gives a good graphical overview of findings, risks and top solutions. This report is ideal while reporting to higher management.

4.1.4 Other Information

Include Information

This allows you to select which information needs to be added in the report.
The available options are:

- **Target Information**
- **Scan Modifications**
- **Listed target Information**

Target Summary

This allows you to select the targets that should be included in the summary overview of the report.

Option	Description
All Selected Target	All the targets that has been selected for the scan.
Listed Targets Only	Restricted to those targets that are listed in the **Findings** tab.

***Note**: **All Selected Targets** would produce a report regardless if there were any findings or not, and **Listed Targets Only** would omit those targets with a failed scan status, and only produce a report with the targets with a complete scan status and a finding in the finding list.*

Name

You should mention the name of the report in this section. If you do not provide any specific name, it creates a name as per the selected options.

Email Address

If you want to send the report via email instead of downloading, provide the email address in this field.

Password

If you want the report to be password protected, you can mention a password here.

Include Attachments (Zip)

If selected, the exported report is compressed with zip compression standard.

4.2 Export Report from Solutions

Often it is difficult for a large organization to identify and plan resolutions to the detected vulnerabilities. The solutions report provides a jump-start to an organization in identifying the solutions, which resolves most vulnerabilities based on reported findings on single or multiple targets.

4.2.1 Format

A report can be exported in the most commonly and widely used document formats.
The available reporting formats are as follows:

Option	Description
PDF	This is the most commonly used reporting format. The reports generated in PDF format can be password protected.
Excel	The reports generated using excel format, have a lot of tabular information, which can be useful when reporting information to IT/Security department or similar divisions.
XML	This format is the default industry standard used for data exchange and integration. The reports generated in XML format are typically used for integration and automation.

4.2.2 Report Type

There are two types of solution reports:

- **Task Report**
- **Target Report**

Task Report

This report is used to identify the top solutions and to define a task-based approach to resolve the vulnerabilities. The **Solutions Summary** displays the top solutions distributed in the form of individual tasks. The below figure shows the solutions summary for a task report.

Target Report

This report provides solutions based on targets. It helps us identify all the vulnerabilities for a specific target. The below figure shows the **Solution Summary** for the target report.

The key difference between Task and Target reports is the approach taken in the Solutions Summary. This flexibility allows an organization to plan remediation in multiple ways, with each solution report having its own benefits.

4.2.3 Report Level

The report level helps you manage reports based on management hierarchy. It helps you generate the correct report based on how much information is needed and in which form. It can be observed that the information varies in the figures above, thus making each report exclusive depending on its functionality and audience.
There are three reporting levels:

- **Detailed**
- **Summary**
- **Management**

Detailed

The detailed report is the longest report that can be generated. It has in depth technical information about findings, targets, risk-levels, CVSS, report, and additional information about the finding. As an example, the figure above displays the first page of a vulnerability report with level set to detailed. The report contains six sections and has detailed information about all the vulnerabilities and targets. This report is mostly directed towards system administrators and security consultants in an organization.

Summary

The summary report is the ideal sized report with report information, executive summary and target summary. This report provides just about the right information required by the IT department of any organization.

Management

The management level report gives us a summary of the vulnerabilities and risks reported. It gives a good graphical overview of findings, risks and top solutions. This report is ideal while reporting to higher management.

4.2.4 Other Information

Include Information

This allows you to select which information needs to be added in the report.
The available options are:

- **Target Information**
- **Scan Modifications**
- **Listed target Information**

Name

You should mention the name of the report in this section. If you do not provide any specific name, it creates a name as per the selected options.

Email Address

If you want to send the report via email instead of downloading, provide the email address in this field.

Password

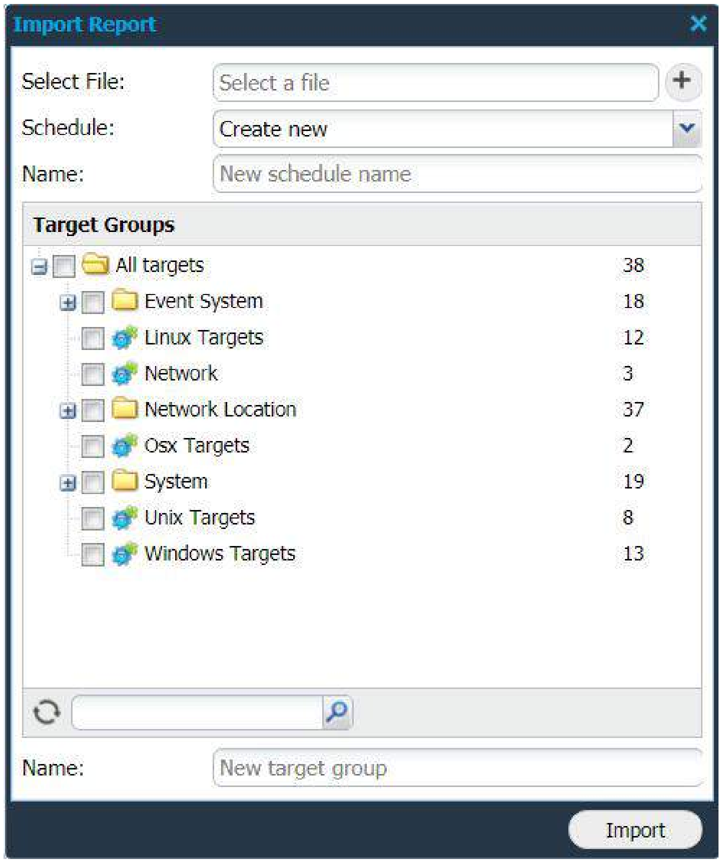
If you want the report to be password protected, you can mention a password here.

Include Attachments (Zip)

If selected, the exported report is compressed with zip compression standard.

5 Import Report

A report can also be imported to OUTSCAN/HIAB using the **Import Report** option visible on the bottom left of **Reporting Tools** window.



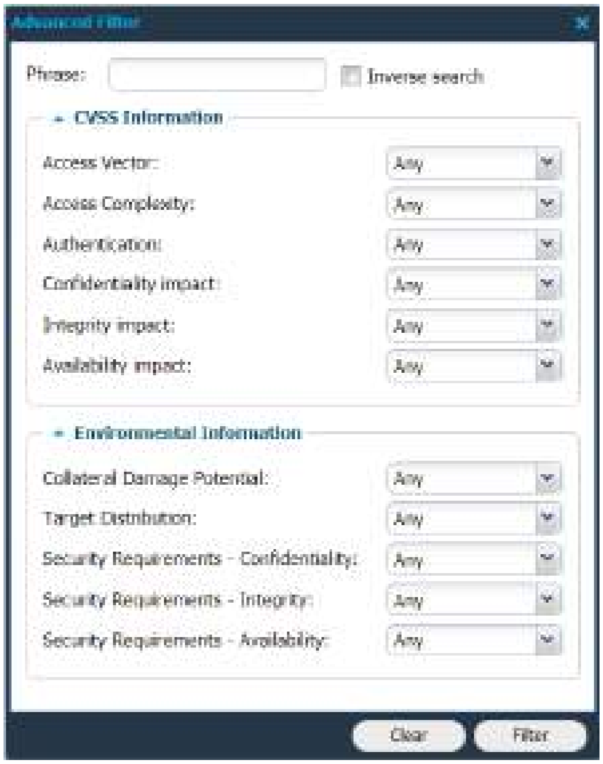
To be able to import a report, the exported report should be in XML format.

Options	Description
Select File	Click on **+** button to select the file from your local folder.
Schedule	You can create a new schedule or select any of the existing schedules from the drop-down menu.
Name	If you create a new schedule, provide a name for the schedule in this field.

Target Groups (Optional): You may select any of the target groups for those you to wish to apply the report settings. You can also search for the target group.
Name (Optional): Provide a new target group for which the settings should be applied.
After adding the file and other settings, click **Import**.

6 Advanced Filter

Along with the existing filters, you can also use **Advanced Filter** to further refine your search. This option is available on **Findings**, **Solutions,** and **Delta** tabs.



Options	Description
Phrase	Provide any key word or phrase. Searches for the given phrase in nearly 10 descriptive fields[1] and lists all the vulnerabilities.
Inverse search	If enabled, searches all findings and lists vulnerabilities whose descriptive fields does not include the given phrase.
CVSS Information	You can search for findings with desired CVSS Information by selecting the required fields.
Environmental Information	You can search for findings by providing the Environmental Information and security requirements.

After adding the required information, click on **Filter** to check to view the results. These settings also reflect in the exported reports.

To clear the enabled advanced filter settings, click on **Clear**.

[1] The descriptive fields include vulnerability description, vulnerability comments, vulnerability name, script id, solution, false positive comments, gathered information, accepted risk comments, dispute comment (PCI), and explanation.

7 Settings to Customize Report Appearance

To access the report configuration window, click on settings icon located on the upper right corner of the window.

7.1 Company Name

Allows you to set the company displayed in the exported report.

7.2 Exported Reports

These settings allow you to define additional fields which is presented in the exported PDF reports.

Option	Description
Header	Add additional text to the PDF report header.
Footer	Add additional text to the PDF report footer.
Password	Password protect exported PDF and Excel reports.

Note: *This password applies to all exported and scheduled reports unless they have their own password. Others cannot view or open the password protected reports unless the password is shared with them.*

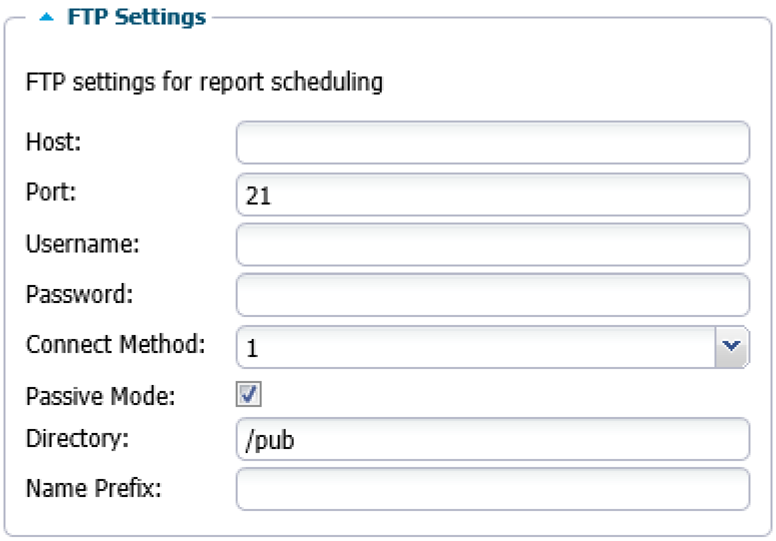
7.3 Risk Information

Option	Description
Remediation risk age (days)	Sets the remediation risk age. This is displayed as a graph in Group Summary, Solution and Trend reports. This graph pictures vulnerabilities with remediation age older than the entered days.
Treat port as vulnerability	Checkbox for treating port as a vulnerability. This allows you to perform the same actions on these entries as with normal risks.

7.4 Logo

Change the logo displayed in the report, accepted formats are either GIF or PNG.

7.5 FTP Settings (HIAB only)

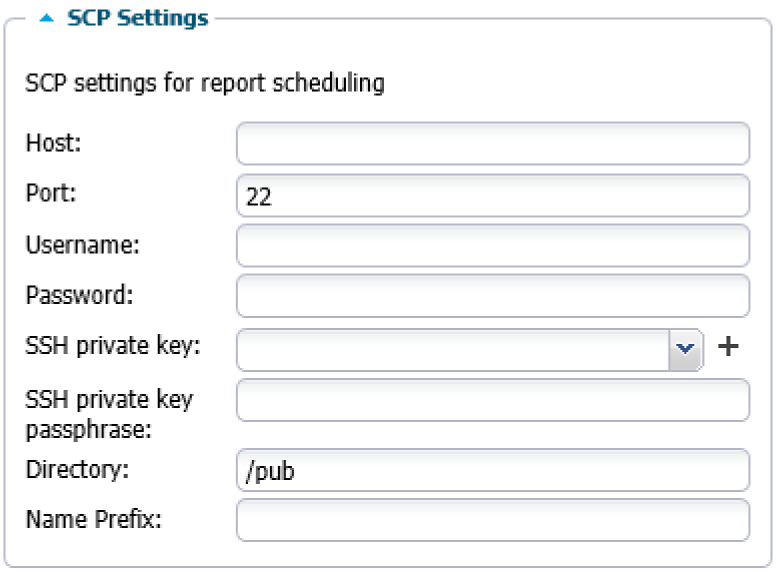


Defining a server here enables the option to send the report via FTP instead of email in the **Scheduling** tab in the report section.

FTP settings for report scheduling:

Options	Description
Host	Specify the host(s) with which to share the directory.
Port	Specify networking port. *Default value:* 21
Username	Username on the receiving server.
Password	Password on the receiving server.
Connect Method	FTP FTPS Implicit FPTS SFTP
Passive Mode	Set active or passive mode. *Default Value:* Selected
Directory	Specify the directory to share. Ex. /pub
Name prefix	Name prefix on the report file.

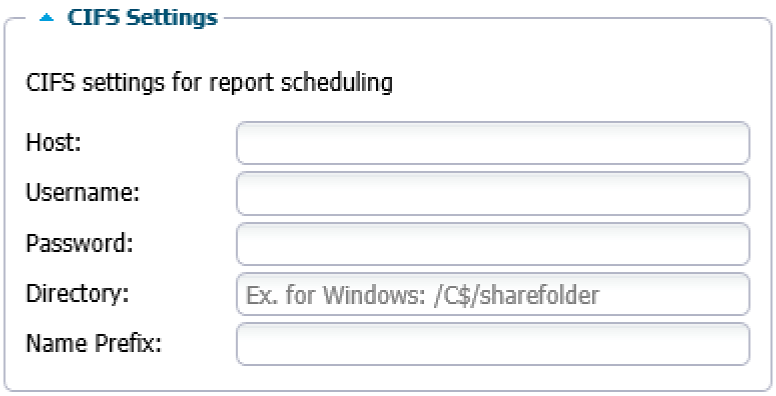
7.6 SCP Settings (HIAB only)



Defining a server here enables the option to send the report via SCP instead of email in the **Scheduling** tab.
SCP settings for report scheduling:

Options	Description
Host	Specify the host(s) with which to share the directory.
Port	Specify networking port. *Default value:* 22
Username	Username on the receiving server.
Password	Password on the receiving server.
SSH private key	Provide a private key from the receiving server.
SSH private key passphrase	Passphrase from the private SSH key.
Directory	Specify the directory to share. Ex. /pub
Name prefix	Name prefix on the report file.

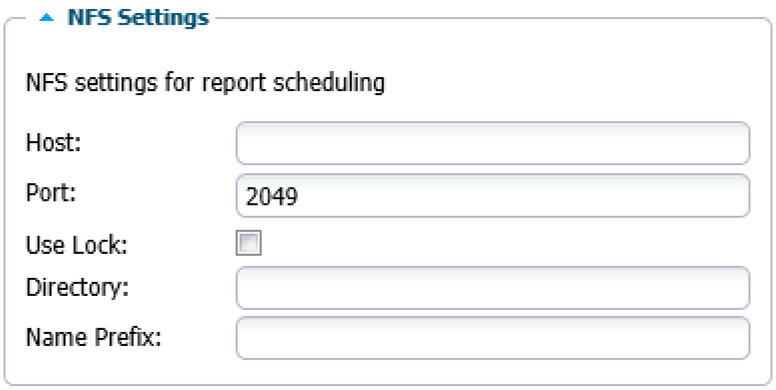
7.7 CIFS Settings (HIAB only)



Defining a server here enables the option to send the report via CIFS instead of email in the **Scheduling** tab.
CIFS settings for report scheduling:

Options	Description
Host	Specify the host(s) with which to share the directory.
Username	Username on the receiving server.
Password	Password on the receiving server.
Directory	Specify the directory to share. Ex. For Windows: `/C$/sharefolder`
Name prefix	Name prefix on the report file.

7.8 NFS Settings (HIAB only)



Defining a server here enables the option to send the report via NFS instead of email in the **Scheduling** tab.
NFS settings for report scheduling:

Options	Description
Host	Specify the host(s) with which to share the directory.
Port	Specify networking port. *Default value:* 2049
Use Lock	Select if using nfslock allowing NFS clients to lock files on the server.
Directory	Specify the directory to share.
Name prefix	Name prefix on the report file.