eScan™
Enterprise Security

eScan Corporate for Windows - Cloud

User Guide

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Introduction

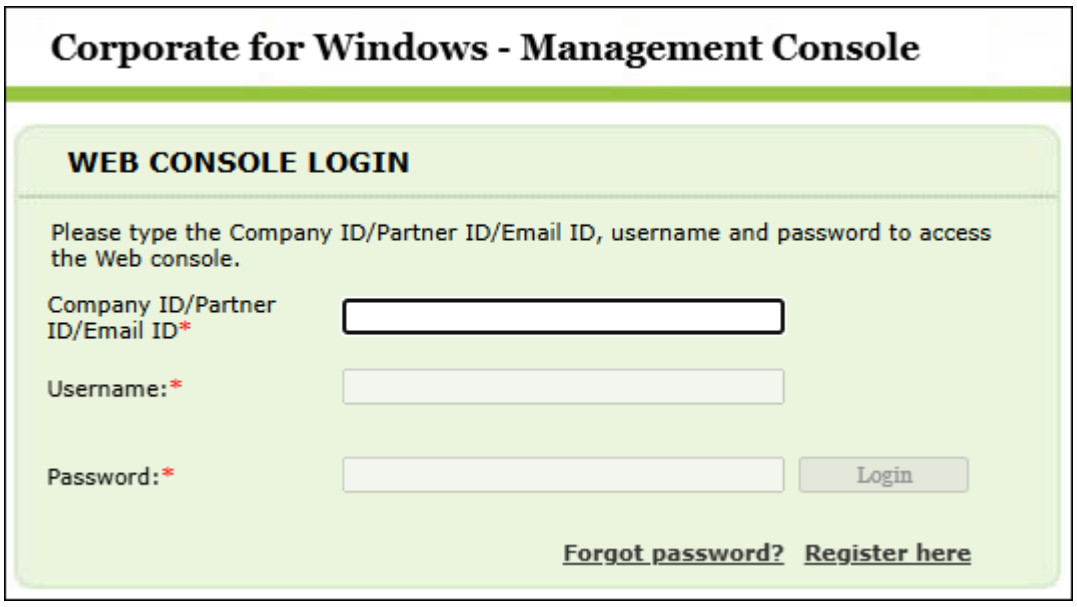
eScan Corporate for Windows – Cloud is a corporate line security solution based on SaaS platform. With this, company's network administrator can deploy robust and layered security to the connected endpoints within the organization's network system via Cloud environment.

This new cloud solution strengthens the cyber-security capabilities of the businesses by providing multi-layered protection to the IT infrastructure from complex threats and secures critical business information effectively without constraining business growth. It is an excellent combination of advanced and futuristic technologies that provides protection to Windows, Mac and Linux-based endpoints in the network.

Web Console Login

The web console login page can be accessed via this method:

1. Launch a web browser.
2. Enter the following URL: cl.escanav.com.
3. Web console login page appears.

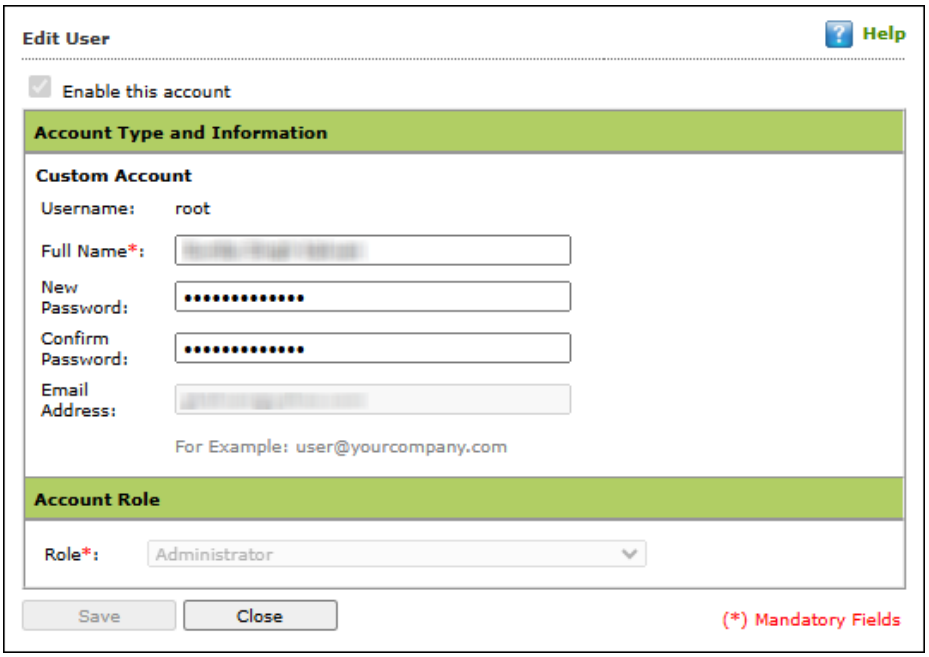


4. Enter the login credentials defined during installation.
5. Click **Login**.

Main Interface

About eScan
Clicking **About eScan** opens MircoWorld's homepage in a new tab.

Username
Clicking **Username** allows you to edit User Login details like Full name, Password and email address that you use to Login in the eScan Management Console.



Log off
Clicking **Log off** logs you out of the eScan Management Console.

Company Name
This option displays user and company information.

Navigation Panel

Dashboard
The Dashboard module displays charts showing Deployment status, Protection status, Protection Statistics, Summary Top 10 and Asset Changes. The monitoring is done by Management Console of the computers for virus infections and security violations. To learn more, **click here**.

Managed Computers
The Managed Computers module lets you define/configure Policies for computers. It provides you various options for creating groups, adding tasks, moving computers from one group to another and vice versa. To learn more, **click here**.

Report Templates
The Report Templates module lets you create and view customized reports based on a given template, for a given period; sorted by date, computer, or action taken; and for a selected condition or target group. It also provides options for configuring or scheduling reports, viewing report properties, and refreshing or deleting existing reports. To learn more, **click here**.

Report Scheduler
The Report Scheduler module lets you schedule a new reporting task, run an already created reporting schedule, or view its properties. To learn more, **click here**.

Events and Computers
The Events and Computers module lets you monitor various activities performed on client's computer. You can view log of all events based on Event Status, Computer Selection or Software/ Hardware Changes on that client computer. Using the Settings option on the screen you can define settings as desired. To learn more, **click here**.

Asset Management
The Asset Management module provides you the entire Hardware configuration and list of software installed on computers. Using this module, you can easily keep a track of all the Hardware as well as Software resources installed on all the Computers connected to the Network. Based on different search criteria you can easily filter the information as per your requirement. It also lets you export the entire system information available through this module in PDF, Microsoft Excel or HTML formats. To learn more, **click here**.

User Activity
The User Activity module lets you monitor different tasks/activities like printing, session login time or actions on files in the client computers. To learn more, **click here**.

Notifications
The Notifications module provides you the options to enable different notifications for different actions/incidents on the endpoints. You may choose to be notified or not to be notified based on the significance of these actions in your business. To learn more, **click here**.

Settings
The Settings module lets you configure eScan Console timeout settings, dashboard setting, exclude client settings for eScan. To learn more, **click here**.

Administration

The Administration module lets you create User Accounts and allocate them Admin rights for using eScan Management Console. It is helpful in a large organization where installing eScan client on large number of computers in the organization may consume lot of time and efforts. By using this module, you can allocate rights to the other employees which will allow them to install eScan Client and implement Policies and tasks on other computers. To learn more, **click here**.

License

The License module lets you manage licenses of users. You can add, activate, and view the total number of licenses available for deployment, number of licenses deployed, and number of licenses remaining with their corresponding values. You can also move the licensed computers to non-licensed computers and vice-versa. To learn more, **click here**.

NOTE	Icons on every status Label denotes that the status is displayed for the computers having operating system as **Windows, MAC OS X** or **Linux**.

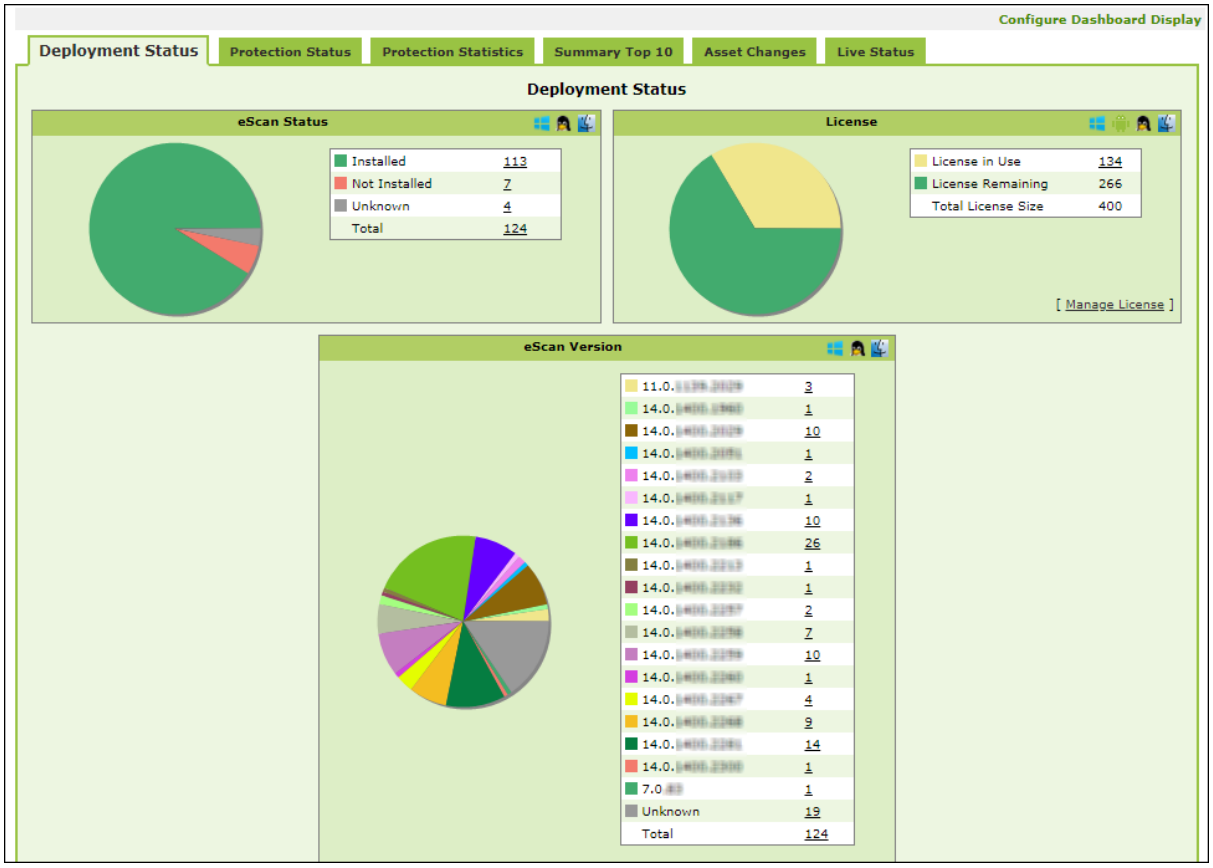
Dashboard

The Dashboard module displays statistics and status of eScan Client installed on computers in pie chart format. It consists of following tabs:

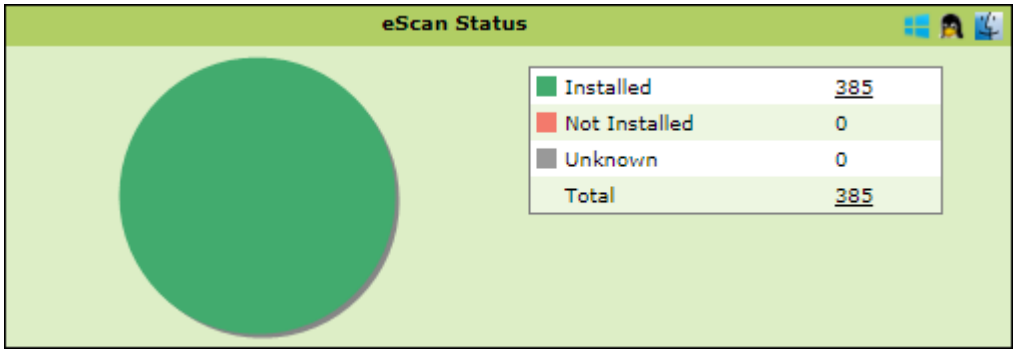
- **Deployment Status**
- **Protection Status**
- **Protection Statistics**
- **Summary Top 10**
- **Asset Changes**

Deployment Status

This tab displays information about eScan Client installed on computers, active licenses, and current eScan version number in use.

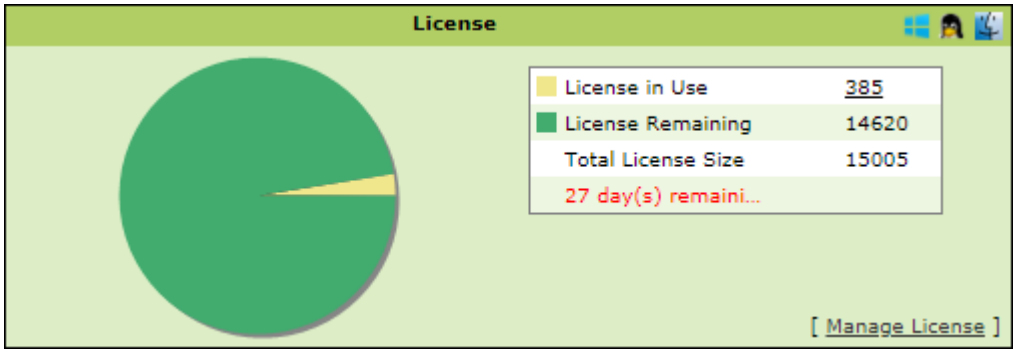


eScan Status



Installed – It displays the number of computers on which eScan Client is installed.
Not Installed - It displays the number of computers on which eScan Client is not installed.
Unknown - It displays the number of computers on which Client installation status is unknown. (eScan Cloud is unable to receive information from the computers for a long time)

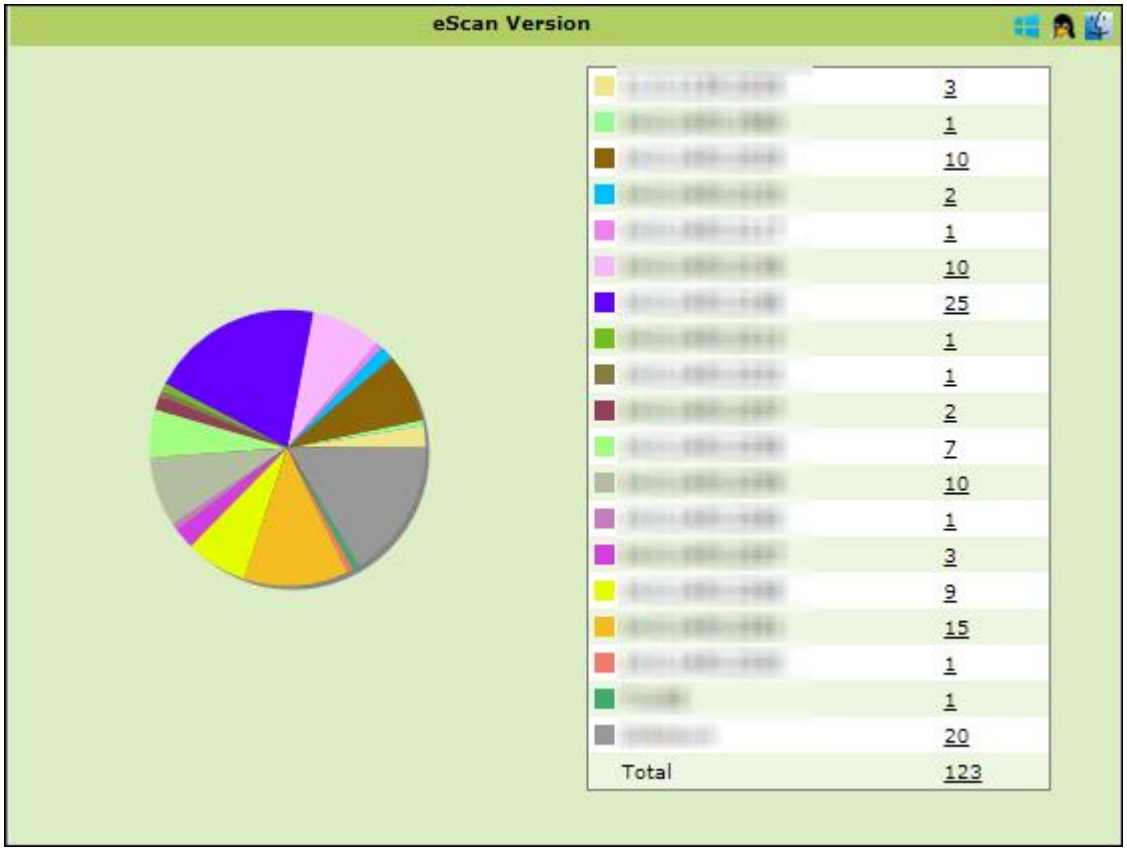
License



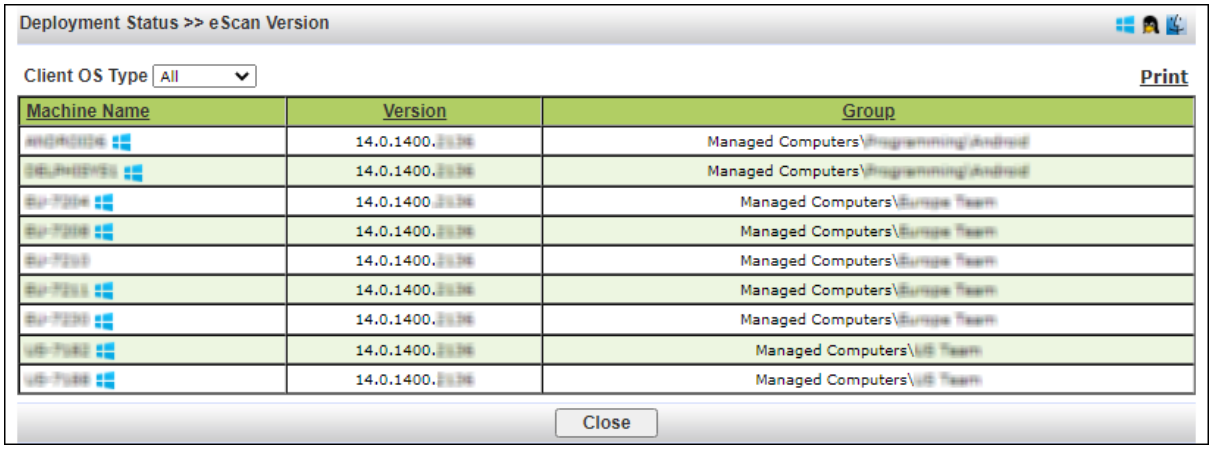
License in Use - It displays the number of licenses that are active.
Licenses Remaining - It displays the number of remaining licenses.

eScan version

The eScan Version chart shows the total number of eScan versions installed on the computers on the network.



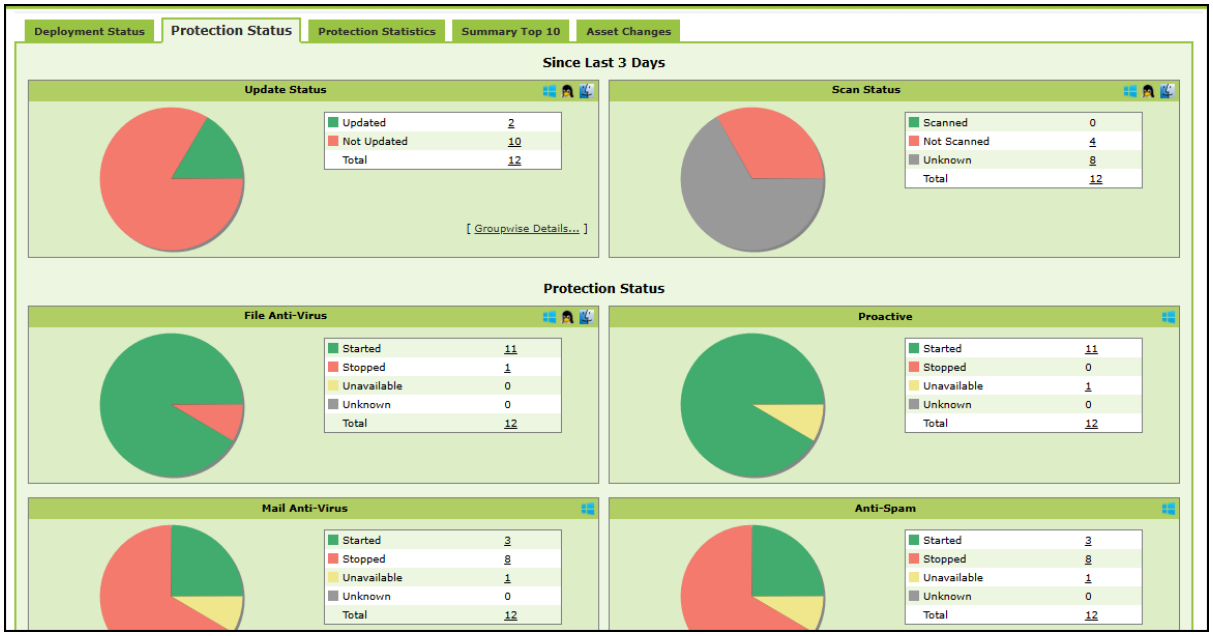
Click on the numbers on the right-side of the each version, you can view the details of the computers.



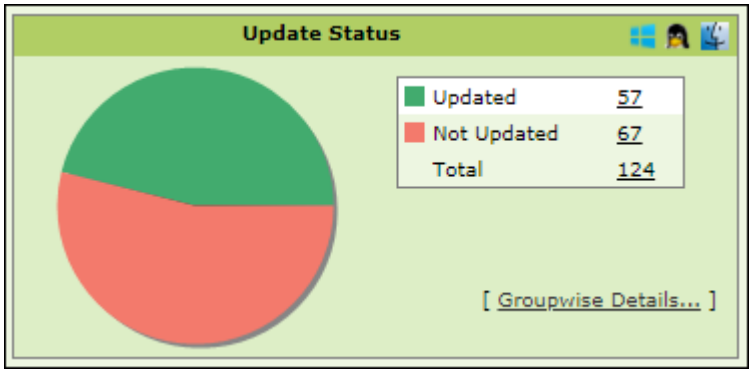
NOTE	Clicking underlined numerical displays detailed information for computers. The Windows, Mac, Linux Icons at the top of every chart denote that the information is displayed for the respective Operating Systems (OS).

Protection Status

This tab displays the status of eScan Client's modules along with the Update and Scan status since last 7 days.

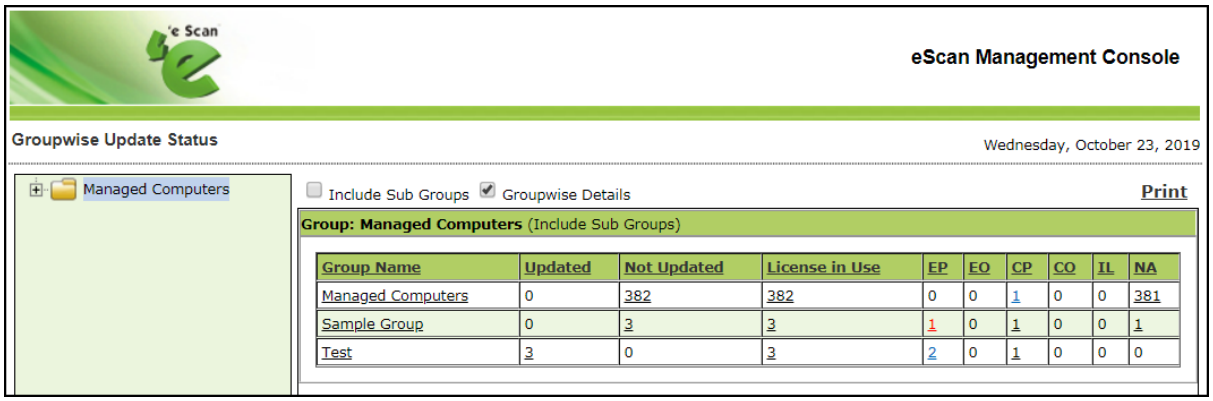


Update Status



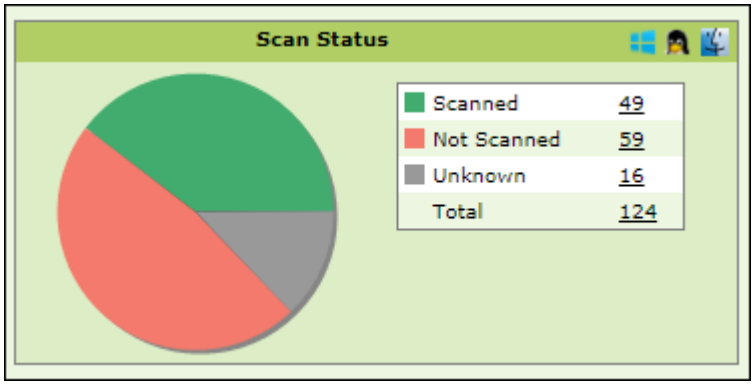
Updated – It displays the number of computers on which virus signature database is updated.
Not Updated - It displays the number of computers on which virus signature database is not updated.

Clicking **Groupwise Details** displays Groupwise Update Status window.



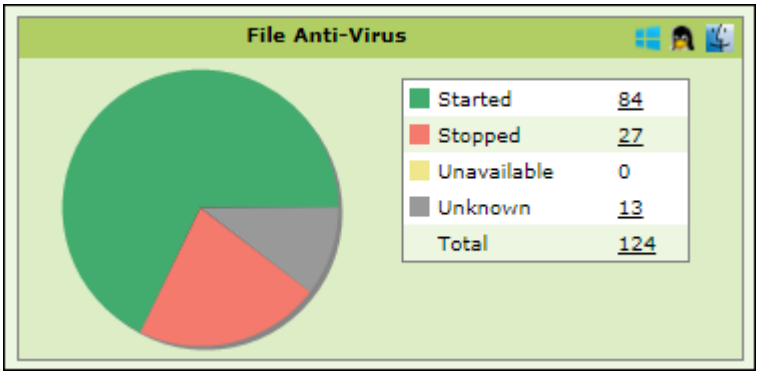
It displays the number of computers on which virus database is Updated, Not Updated and Licenses in Use as per the group. Selecting **Include Sub Groups** checkbox will display the subgroups containing computers.

Scan Status



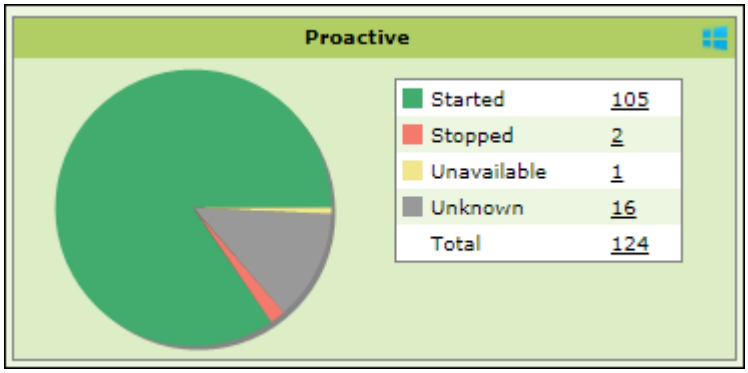
Scanned - It displays the number of computers that have been scanned in last 30 days for viruses and malware infections.
Not Scanned - It displays the number of computers that have not been scanned in last 30 days for viruses and malware infections.

File Anti-Virus



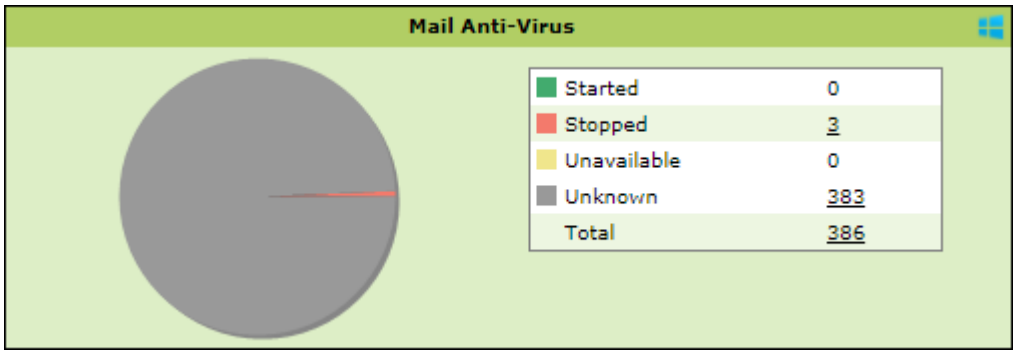
Started – It displays the number of computers on which the File Anti-Virus module is in Started state.
Stopped – It displays the number of computers on which the File Anti-Virus module is in Stopped state.
Unavailable – It displays the number of computers where the File Anti-Virus module is unavailable.
Unknown – It displays the number of computers where the File Anti-Virus module status is unknown.

Proactive



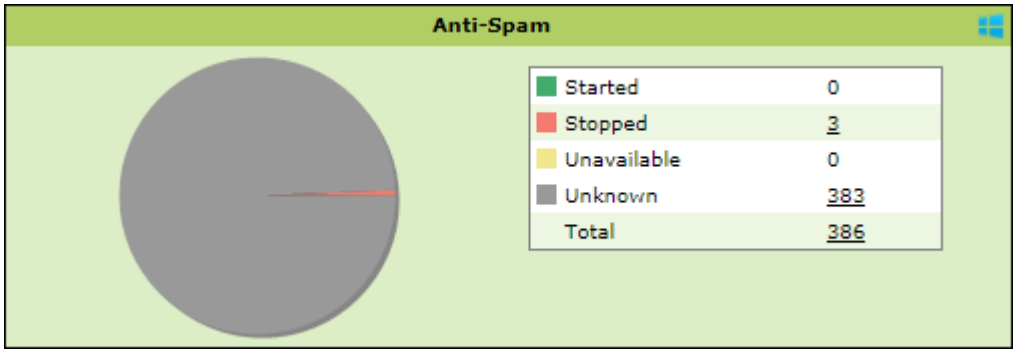
Started - It displays the number of computers on which Proactive scanning service is running.
Stopped - It displays the number of computers on which Proactive scanning service is stopped.
Unavailable – It displays the number of computers where Proactive scanning service is unavailable. This module is available only in computers with Windows OS.
Unknown - It displays the number of computers on which the Proactive scanning service status is unknown.

Mail Anti-Virus



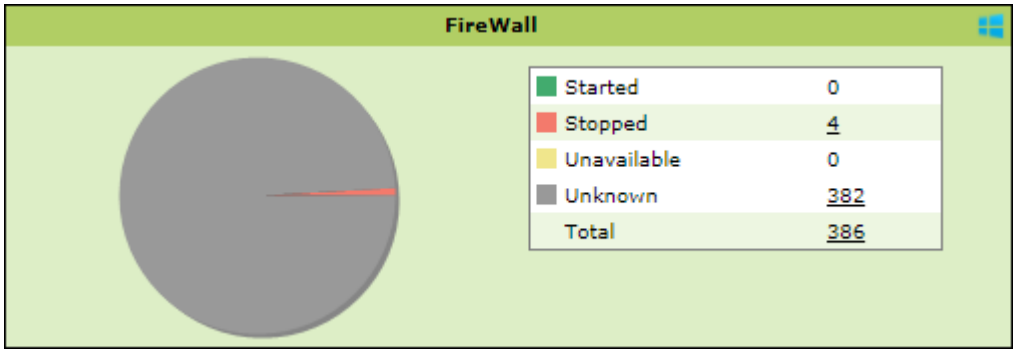
Started – It displays the number of computers on which the Mail Anti-Virus module is in Started state.
Stopped – It displays the number of computers on which the Mail Anti-Virus module is in Stopped state.
Unavailable – It displays the number of computers on which the Mail Anti-Virus module is unavailable.
Unknown – It displays the number of computers on which the Mail Anti-Virus module status is unknown.

Anti-Spam



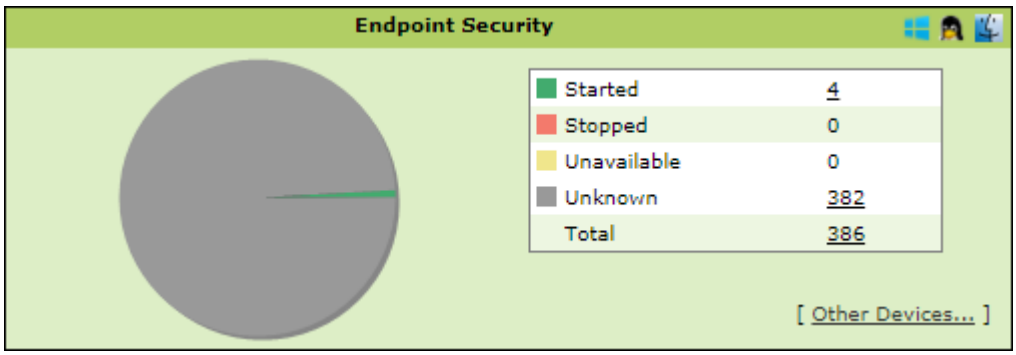
Started – It displays the number of computers on which the Anti-Spam module is in Started state.
Stopped – It displays the number of computers on which the Anti-Spam module is in Stopped state.
Unknown – It displays the number of computers on which the Anti-Spam module status is Unknown.
Unavailable – It displays the number of computers on which the Anti-Spam module is Unavailable.

Firewall



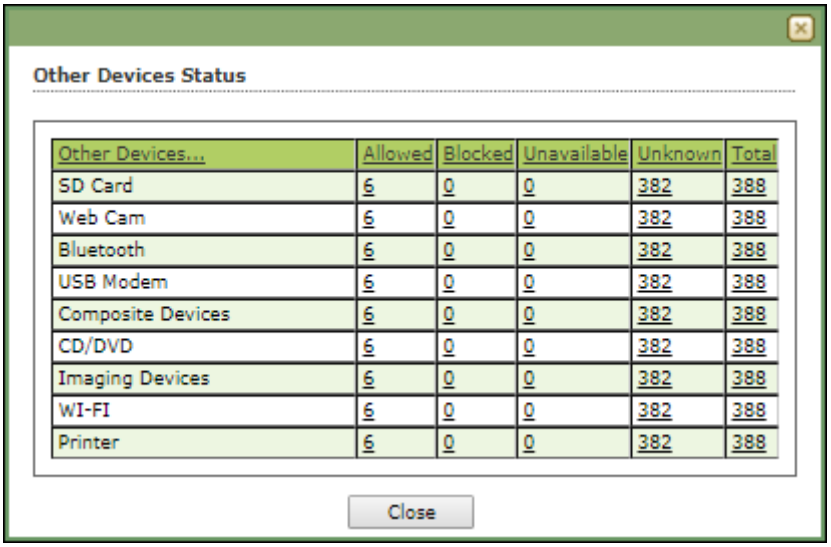
Started - It displays the number of computers on which the Firewall module is in Started state.
Stopped - It displays the number of computers on which the Firewall module is in Stopped state.
Unavailable - It displays the number of computers on which the Firewall module is unavailable.
Unknown - It displays the number of computers on which the Firewall module status is unknown.

Endpoint Security

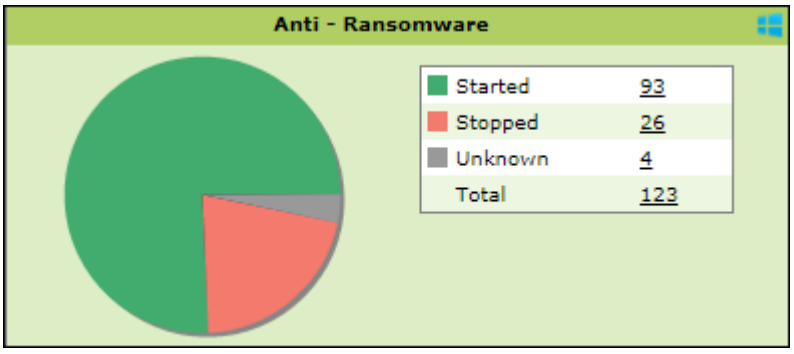


Started - It displays the number of computers on which the Endpoint Security module is in Started state.
Stopped - It displays the number of computers on which the Endpoint Security module is in Stopped state.
Unavailable – It displays the number of computers on which the Endpoint Security module is unavailable.
Unknown - It displays the number of computers on which the Endpoint Security module status is unknown.

Clicking **Other Devices** displays details about other devices.



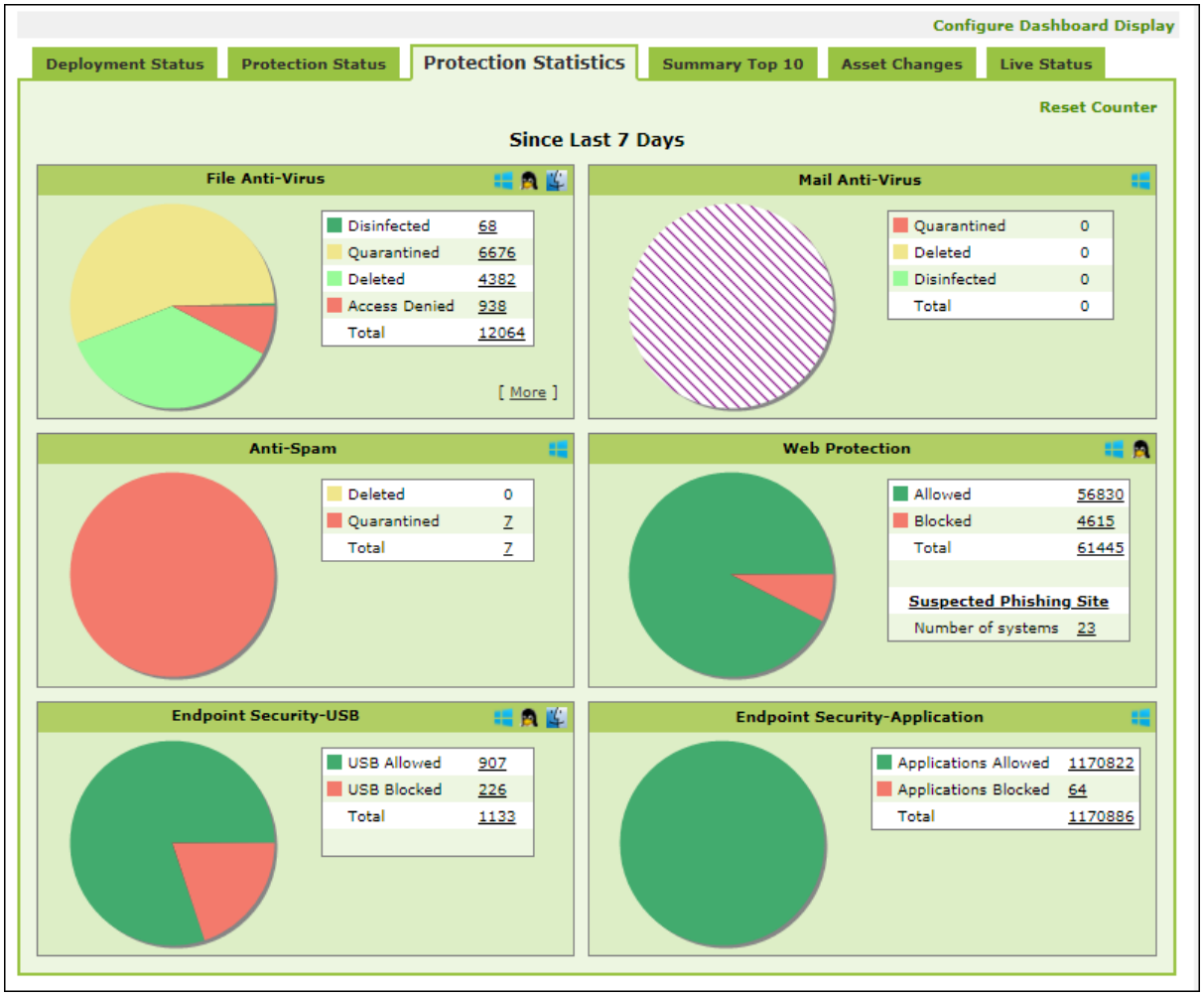
Anti – Ransomware



Started - It displays the number of computers on which the Anti – Ransomware module is in Started state.
Stopped - It displays the number of computers on which the Anti – Ransomware module is in Stopped state.
Unavailable – It display the number of computers on which the Anti – Ransomware module unavailable to system.
Unknown - It displays the number of computers on which the Anti – Ransomware module status is unknown.

Protection Statistics

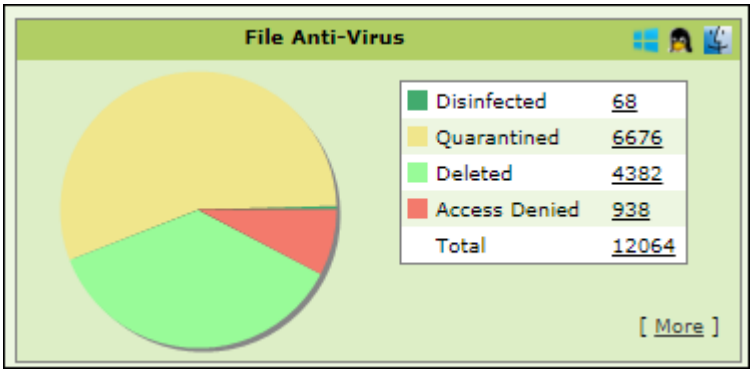
This tab displays activity statistics and action taken by all modules of eScan Client since last seven days in pie chart format.



Reset Counter

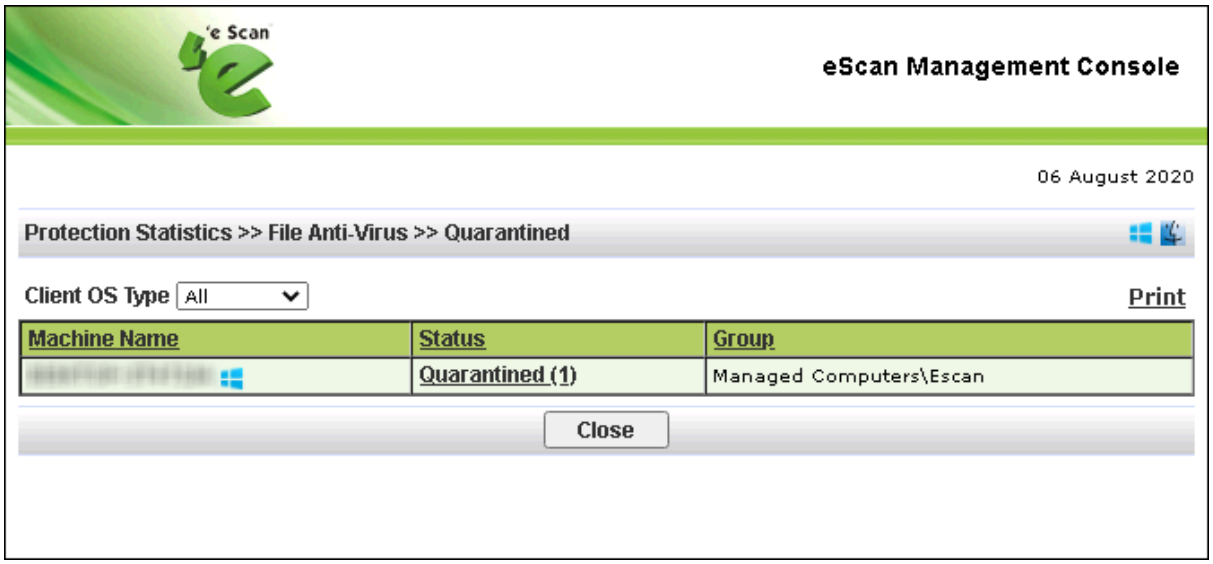
Clicking **Reset Counter** resets all the statistics to zero. This option proves useful after you have taken an action on infected files and want to scan for residual infection presence.

File Anti-Virus

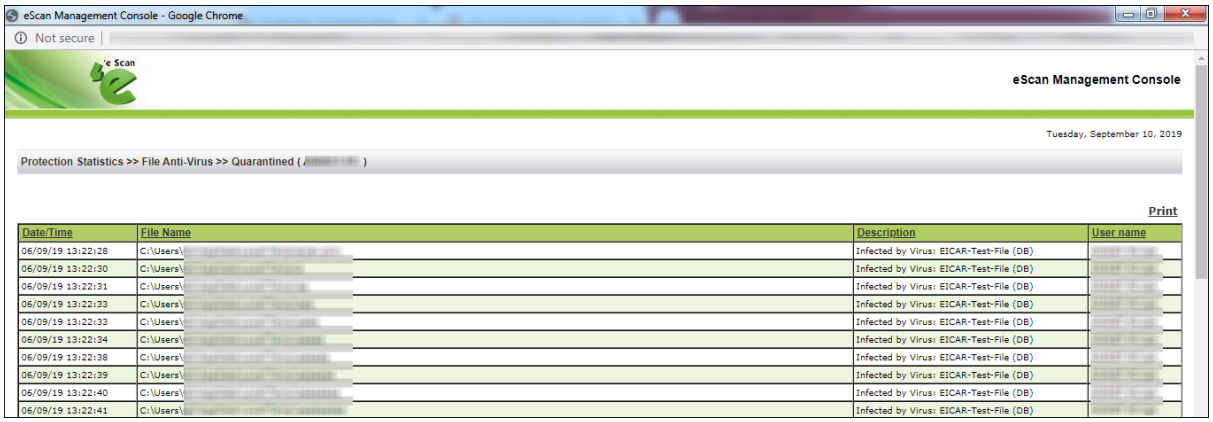


Disinfected – It displays the number of files disinfected by File Anti-Virus module.
Quarantined – It displays the number of files quarantined by File Anti-Virus module.
Deleted - It displays the number of files deleted by File Anti-Virus module.
Access Denied - It displays the number of files to which access was denied by File Anti-Virus module.

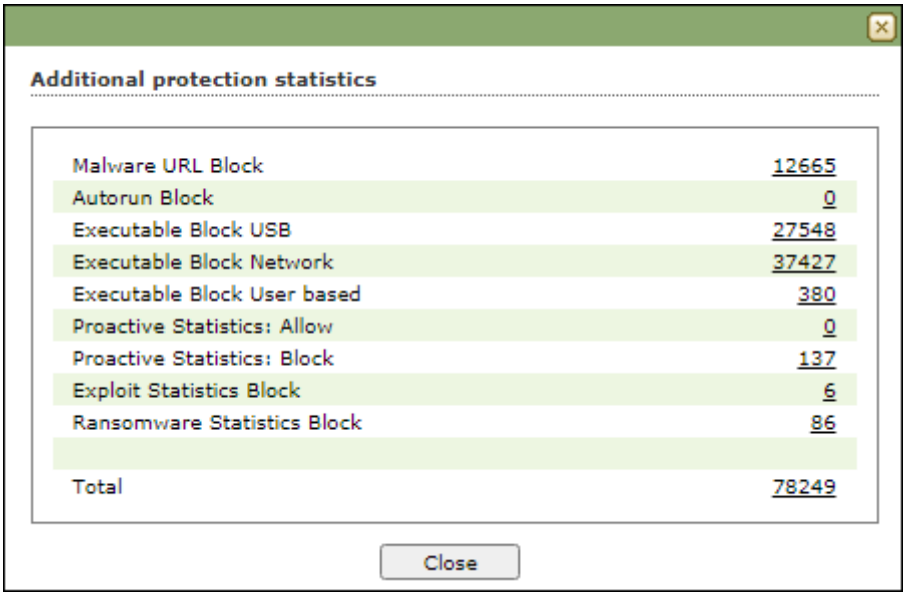
Clicking underlined numerical displays action taken on infected files amongst different computers and the group that computer belongs to.



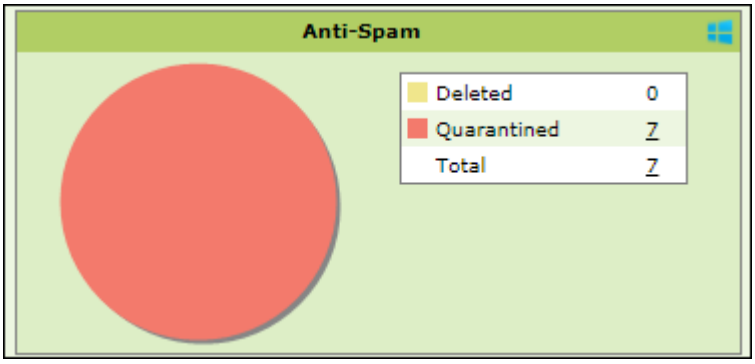
Clicking the **Status** link further displays the detection date and time, file path, infection description and computer's username.



Clicking **[More]** displays additional protection statistics.

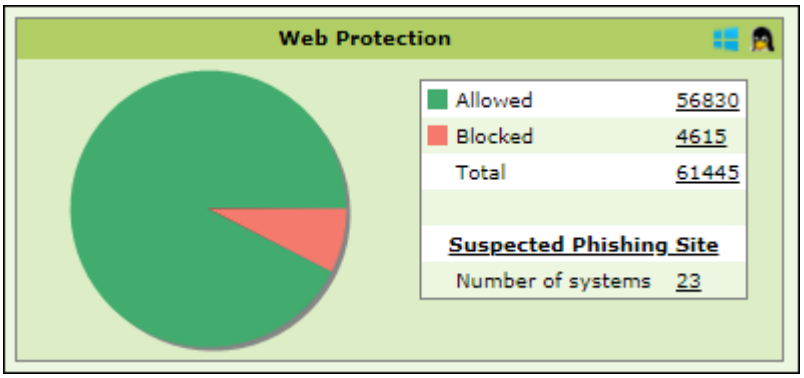


Anti-Spam



Deleted – It displays the number of files deleted by Anti-Spam module.
Quarantined – It displays the number of files quarantined by Anti-Spam module.

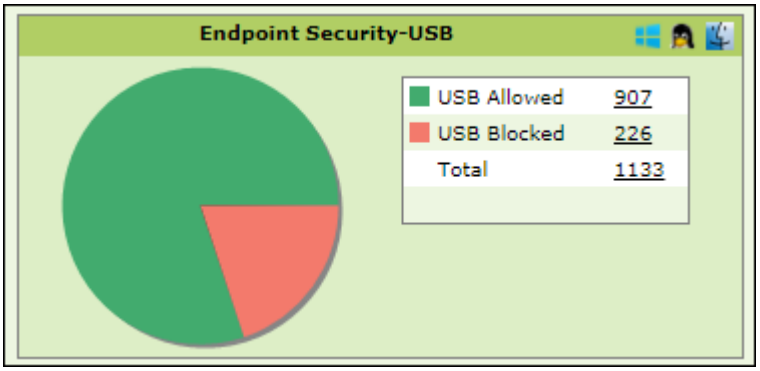
Web Protection



Allowed – It displays the number of websites to which access was allowed by Web Protection module.
Blocked – It displays the number of websites to which access was blocked by Web Protection module.

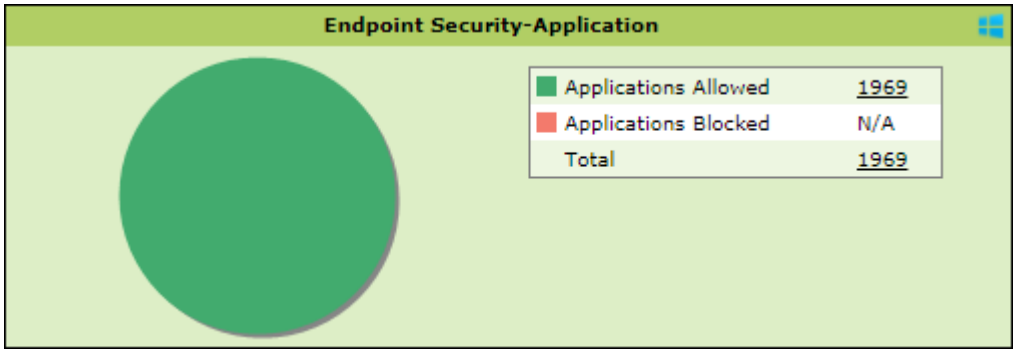
Suspected Phishing Site – It displays the number of systems on which suspected phishing sites were blocked. After clicking the numerical, Suspected Phishing Site window appears displaying System Name, Site Status, and Computer Group. Clicking Site Status further displays Date, Time, Website name and action taken.

Endpoint Security-USB



USB Allowed – It displays the number of USB access allowed along with the details for the same by Endpoint Security-USB module.
USB Blocked – It displays the number of USB access blocked along with the details for the same by Endpoint Security-USB module.

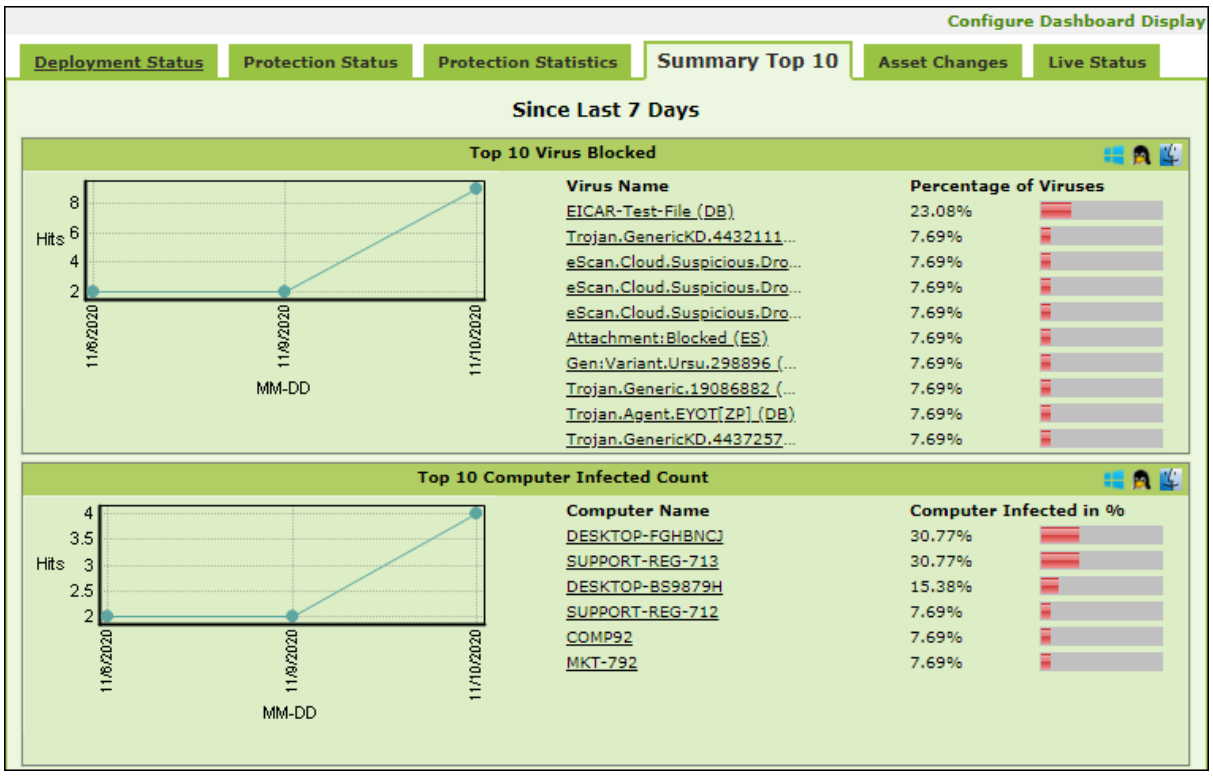
Endpoint Security-Application



Applications Allowed – It displays the number of applications allowed by Endpoint Security-Application module.
Applications Blocked – It displays the number of applications blocked by Endpoint Security-Application module.

Summary Top 10

This Tab displays top 10 Summary of various actions taken by eScan on all computers since last seven days along with bar chart and graph. This tab can be configured by clicking **Configure Dashboard Display**.

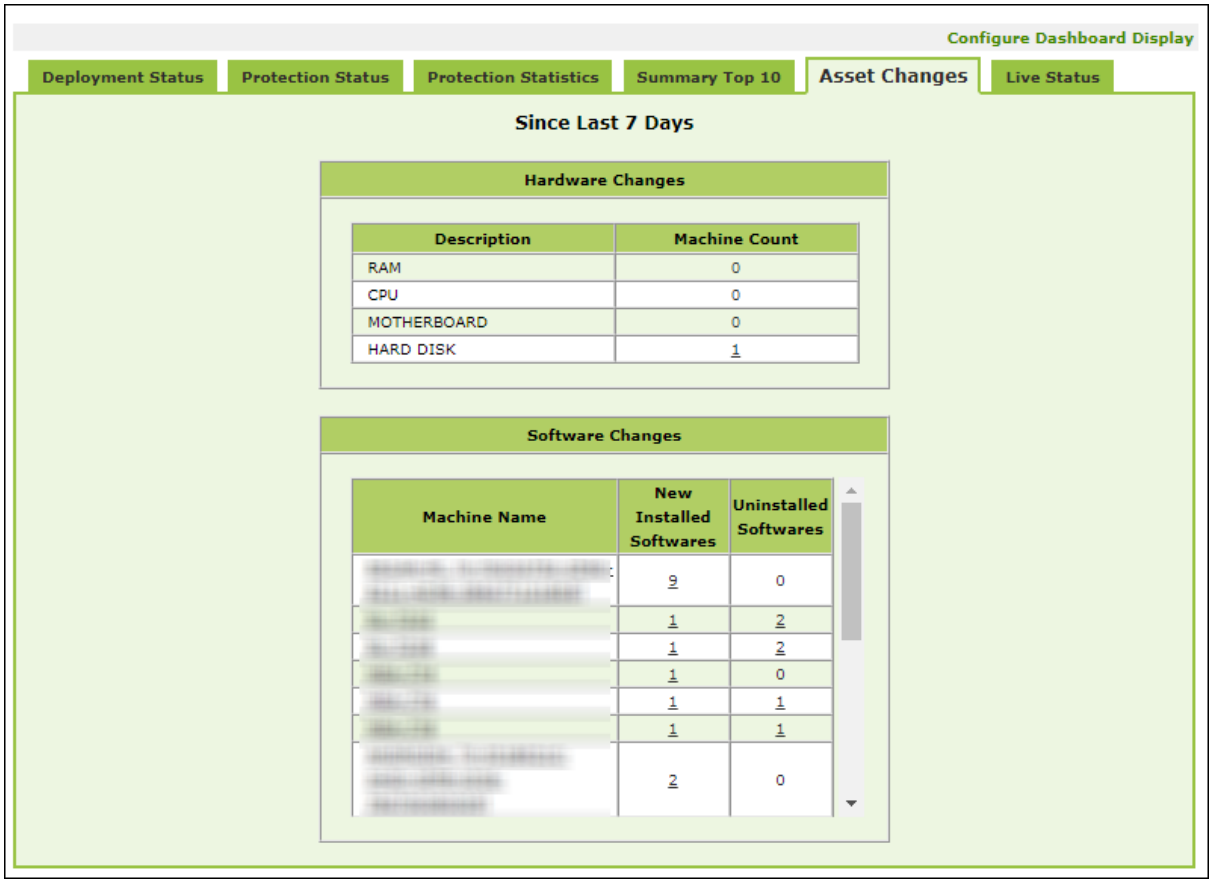


The tab displays the summary for following parameters:

- Top 10 Virus Blocked
- Top 10 Computer Infected Count
- Top 10 USB Blocked Count
- Top 10 Application Blocked Count by Computer Name
- Top 10 Application Allowed Count by Computer Name
- Top 10 Websites Blocked Count by Computer Name
- Top 10 Websites Allowed Count by Computer Name
- Top 10 Infected Emails(Mail AV)
- Top 10 Websites Blocked Count by Username
- Top 10 Websites Allowed Count by Username
- Top 10 Exploit Blocked Count

Asset Changes

This tab displays all hardware and software changes carried out on the endpoints since last seven days.

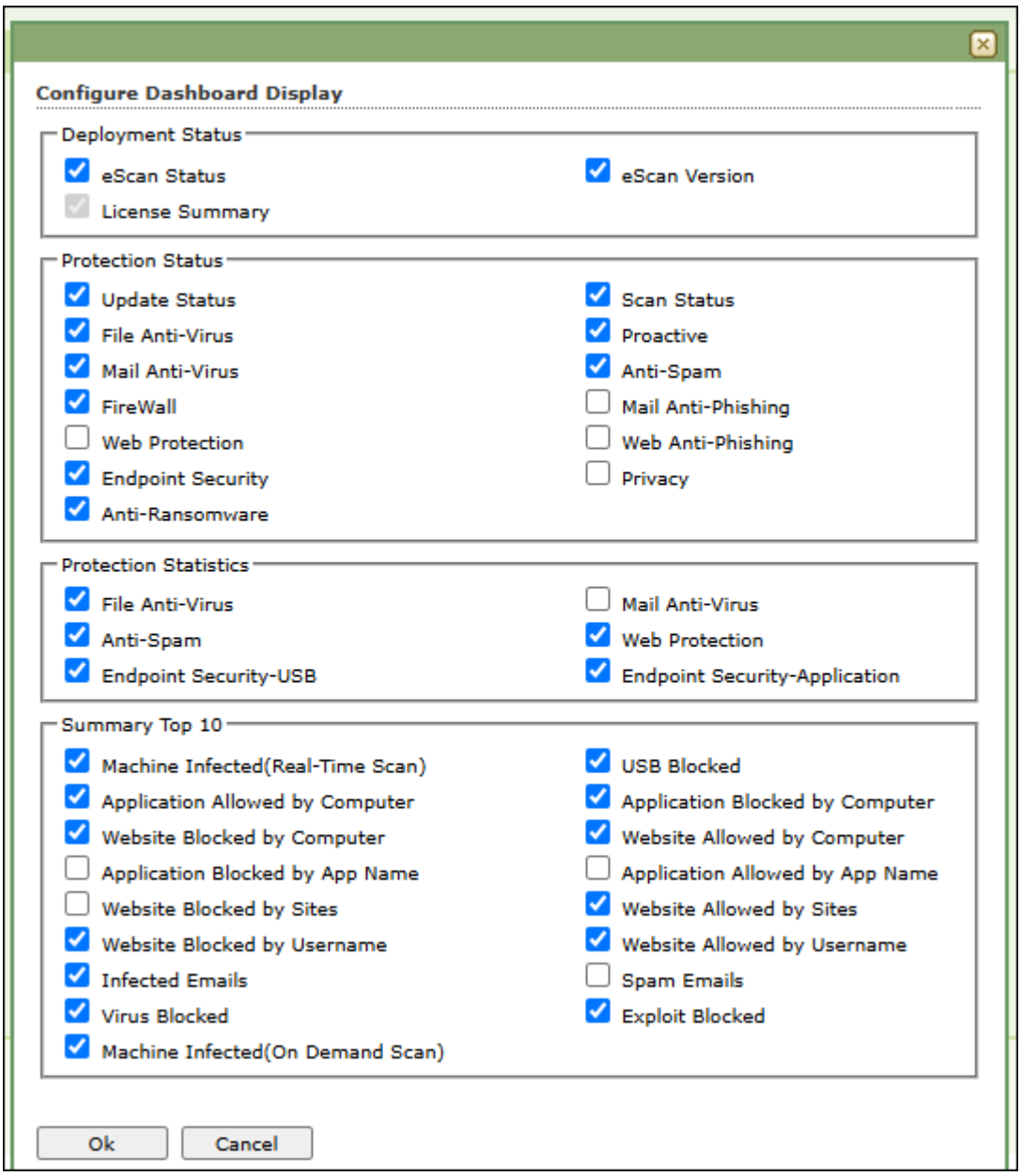


Clicking the underlined machine names displays softwares installed on the computers since last seven days. Clicking the underlined numerical displays installed / uninstalled softwares on computers since last seven days.

Configure the Dashboard Display

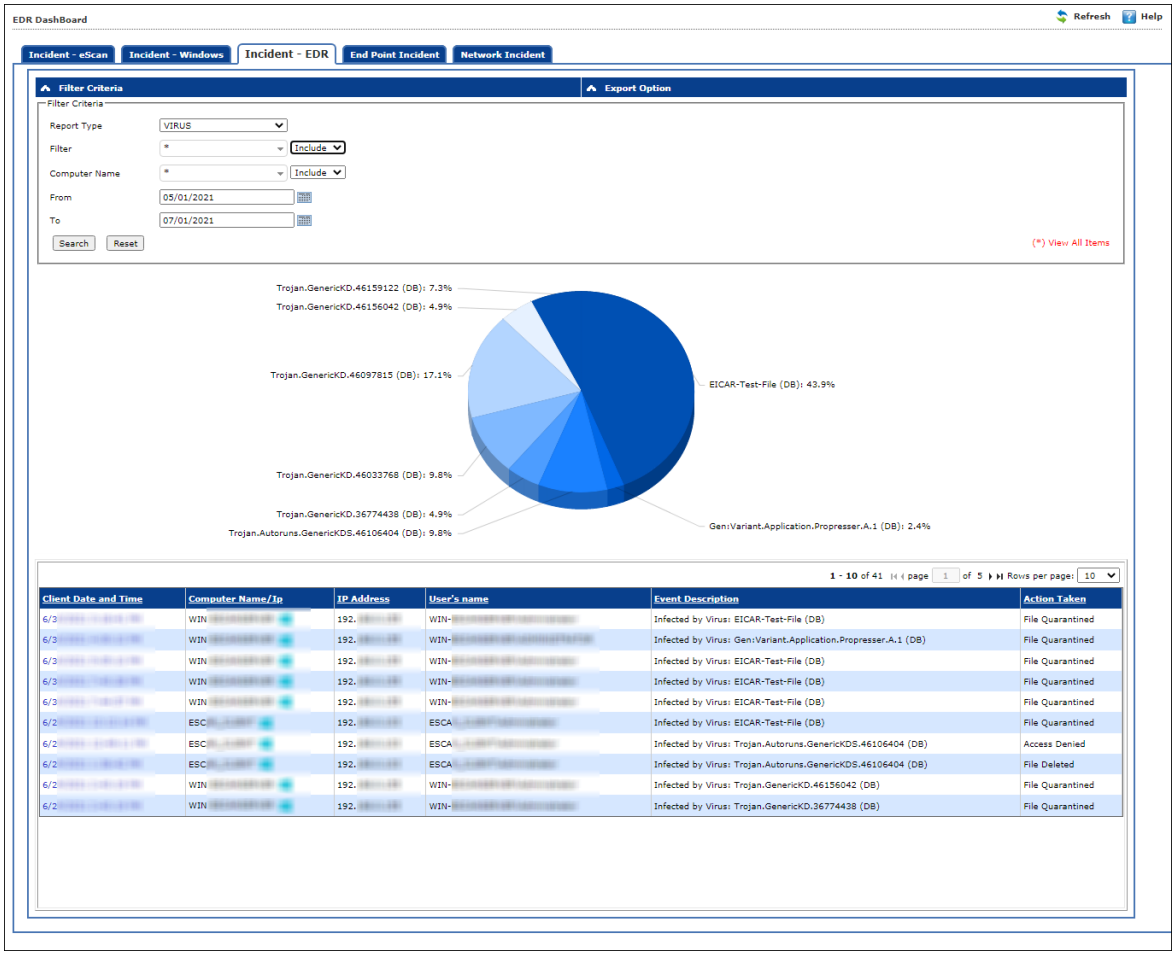
To configure the Dashboard display

1. In the Dashboard screen, at the upper right corner, click **Configure Dashboard Display**. Configure Dashboard Display window appears displaying tabs and their parameters.

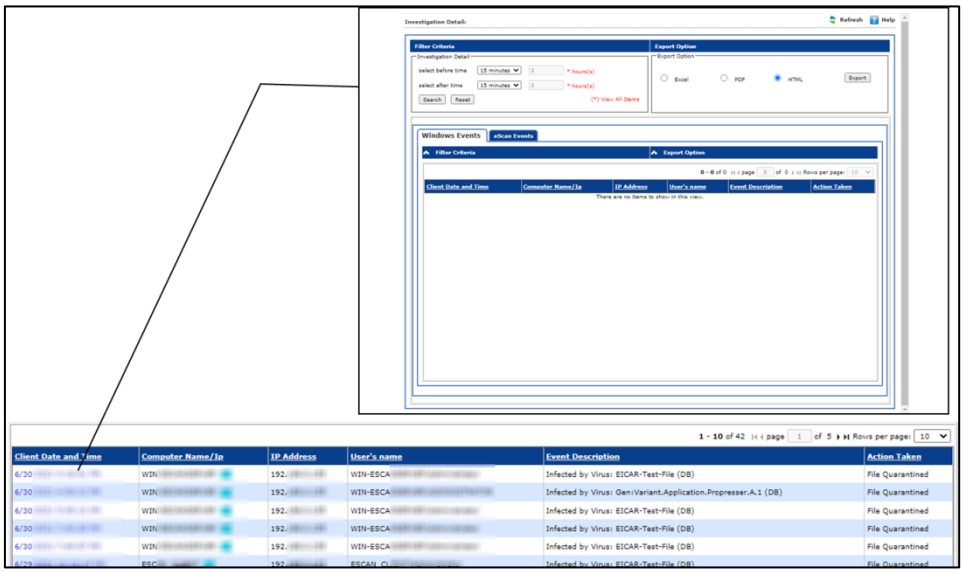


2. Select the parameters' checkboxes to be displayed in the respective tabs.
3. Click **OK**.
   The tabs will be updated according to the changes.

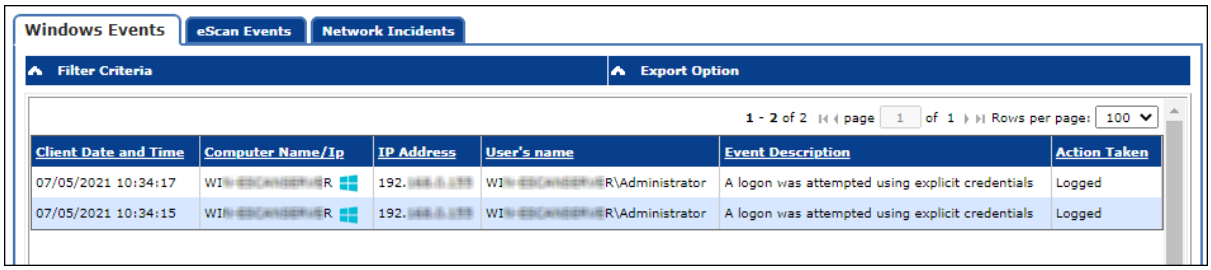
For example, the following figure gives the summary of the virus report:



To get the detailed investigation report for a specific incident, click the hyperlink under **Client Date and Time**, as shown below:



The detailed report will be generated.



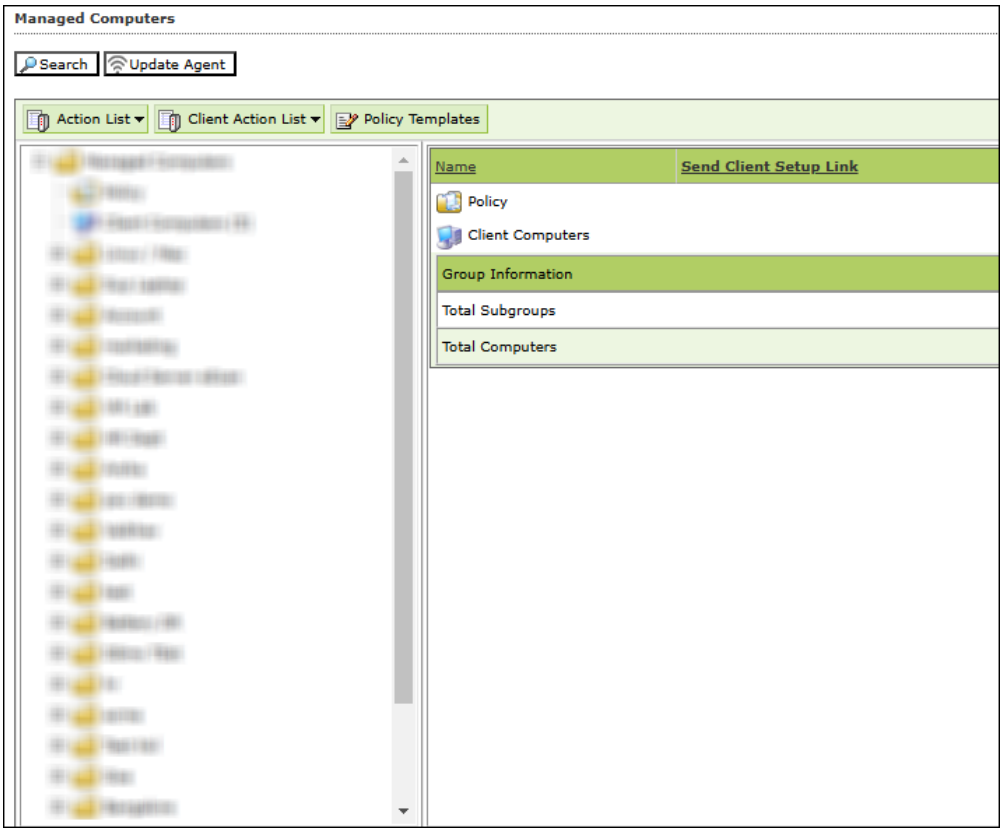
Windows Events: It displays the Windows event for the filtered time frame.
eScan Events: It displays the eScan events for the filtered time frame.
Network Incident: It displays the Network Incident events for the filtered time frame.

Managed Computers

To secure, manage, and monitor computers, it is necessary to add them in a group. The **Managed Computers** module lets you create computer groups, add computers to a group, define policy templates for the created groups and computers.

Based on the departments, user roles and designations, you can create multiple groups and assign them different policies. This lets you secure and manage computers in a better way.

In the navigation panel, click **Managed Computers**. The Managed Computers screen appears on the right pane.



The screen consists of following buttons:

- **Search**
- **Update Agent**
- **Action List**
- **Client Action List**
- **Policy Templates**

Search

The Search feature lets you find any computer added in Managed Computers. After clicking **Search**, Search for Computers window appears.

The Filter section displays following fields:

Computer Name/IP
Enter a computer name or IP address.

Username
Enter a username.

Click **Find Now**.
The console will display the result.

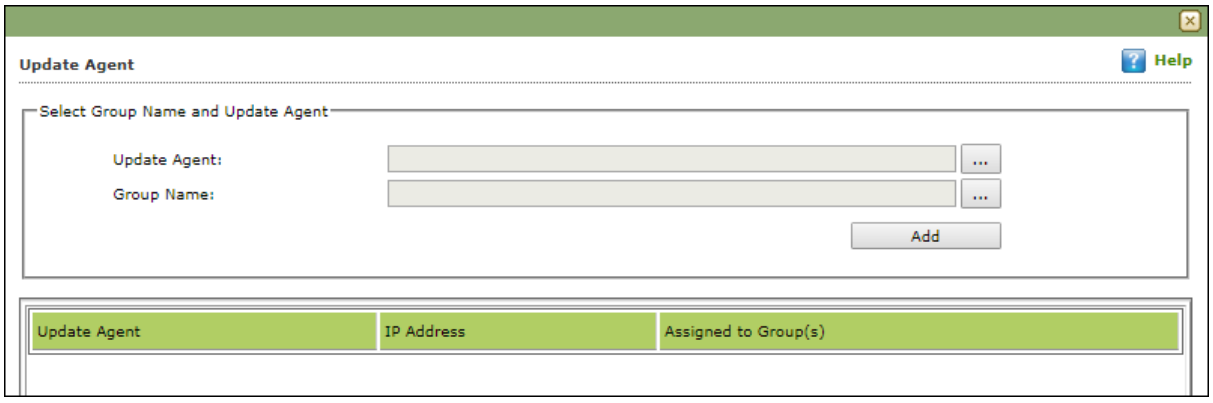
Update Agent

eScan lets you use a client computer as an update agent to deploy updates on groups of computers. By default, eScan server distributes the virus definitions and policies to all the clients added in the web console. But, if you want to reduce server's workload, you can create an Update Agent for the respective group(s). The Update Agent will receive virus definitions and policies from server and distribute it to the assigned group(s). For more details, please see **eScan Update Agents**.
In Managed Computers screen, clicking **Update Agent** displays a list of computers that are acting as Update Agents for other computers in the group. The window also lets you **Add** or **Remove** Update Agents from this list. You can set an Update Agent for multiple groups.

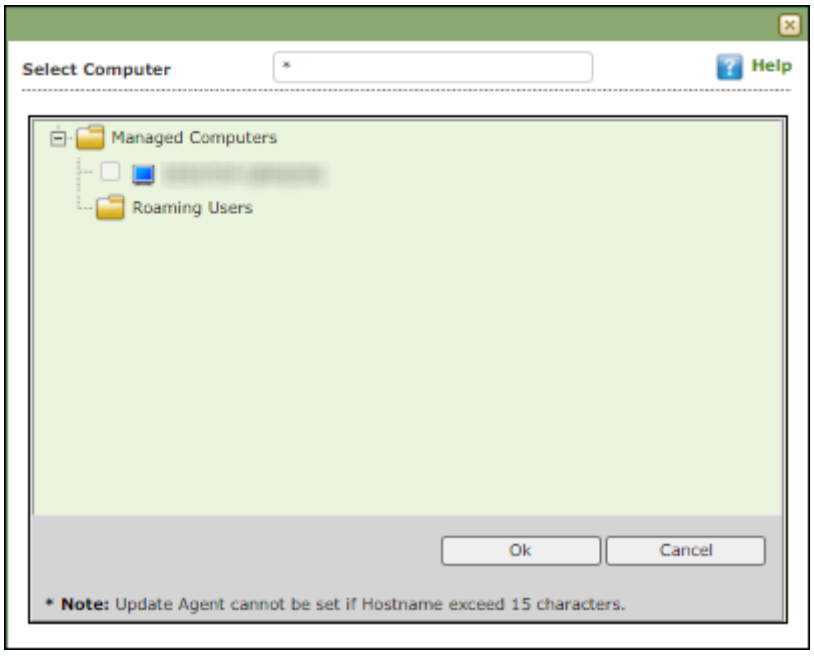
Adding an Update Agent

To add an Update Agent, follow the steps given below:

1. In Managed computers screen, click **Update Agent**. **Update Agent** window appears.



2. Click ... icon next to Update Agent field, to select the computer.
   Select Computer window appears.

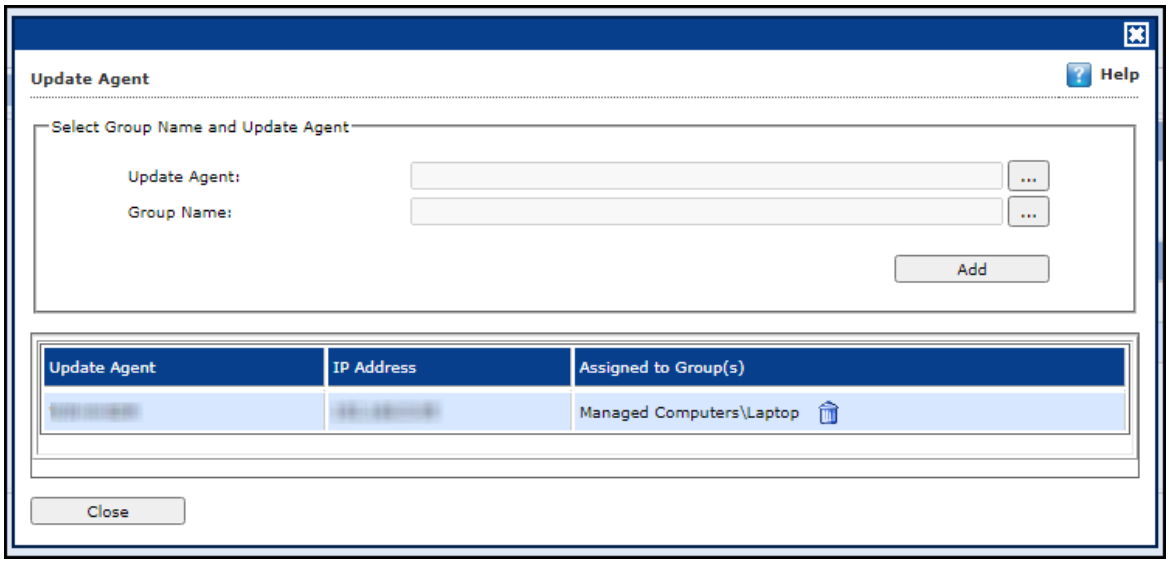


3. Select a computer and click **OK.**
4. Click ... next to Group Name field, to select the Group Name**.** This is the group to which the selected computer will act as an Update Agent and provide updates.
5. Select the Group and click **OK.**
6. Click **Add.**
   The Update Agent will be set for the selected group.

Delete an Update Agent

To delete an Update Agent, follow the steps given below:

1. In Managed computers screen, click **Update Agent**.
   Update Agent window appears.



2. In the Assigned to Group(s) column, click .
   A confirmation prompt appears.
3. Click **OK**. The Update Agent will be deleted.

Action List

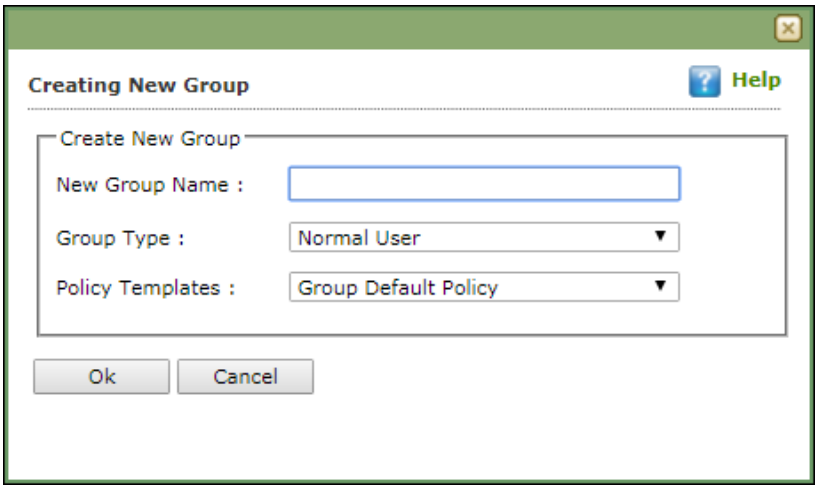
The Action List takes you action for a group. The drop-down contains following options:

- **New Subgroup**
- **Remove a Group**
- **Create Client Setup**
- **Properties**

New Subgroup

To create a group, follow the steps given below:

1. Click **Action List** > **New Subgroup**.
   Creating New Group window appears.

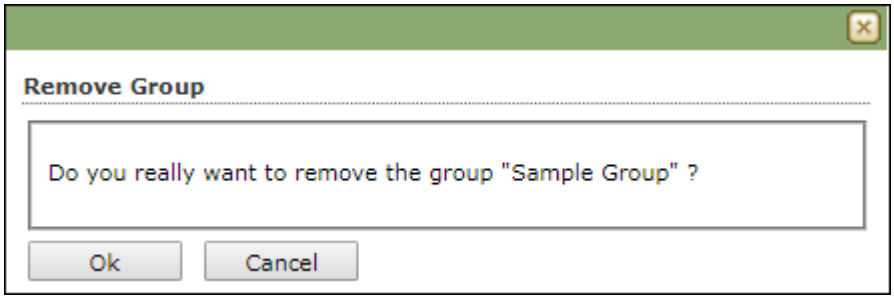


2. Enter a name for the group.
3. Click the Policy Templates drop-down and select a policy for the group.
4. Click **OK**.
   A new group will be created under the Managed Computers.

Removing a Group

To remove a group, follow the steps given below:

1. Select a group.
2. Click **Action List** > **Remove Group**.
   A confirmation prompt appears.



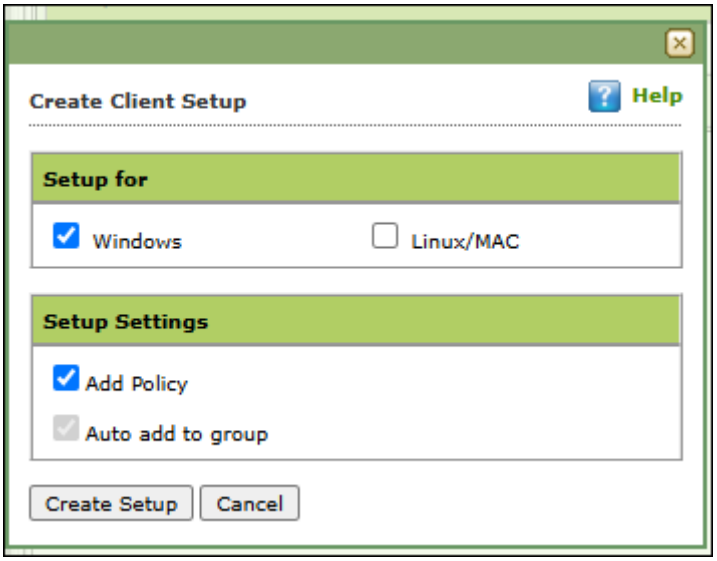
3. Click **OK**.
   The group will be removed.

NOTE	A group will be removed only if it contains no computers.

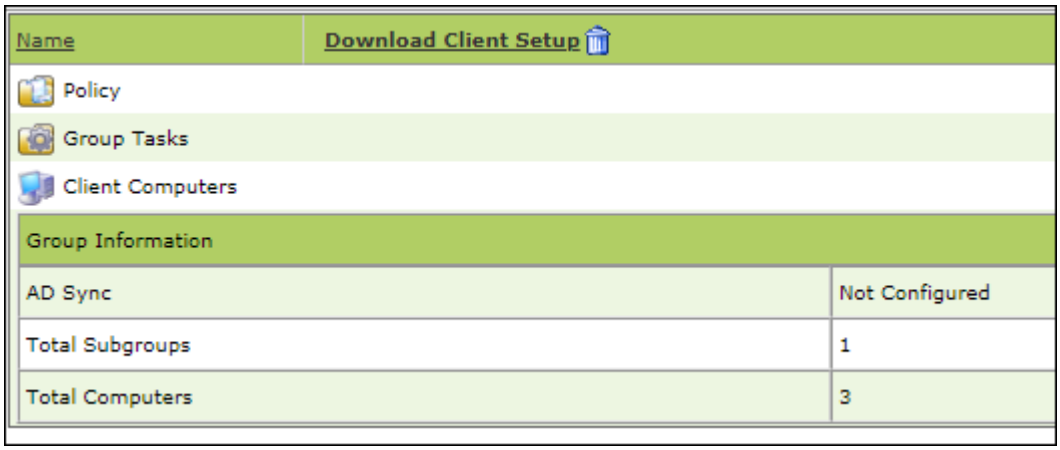
Create Client Setup

To create a Client setup, follow the steps given below:

1. In the Managed Computers folder tree, select a group.
2. Click **Action List** > **Create Client Setup**.
   Create Client Setup window appears.



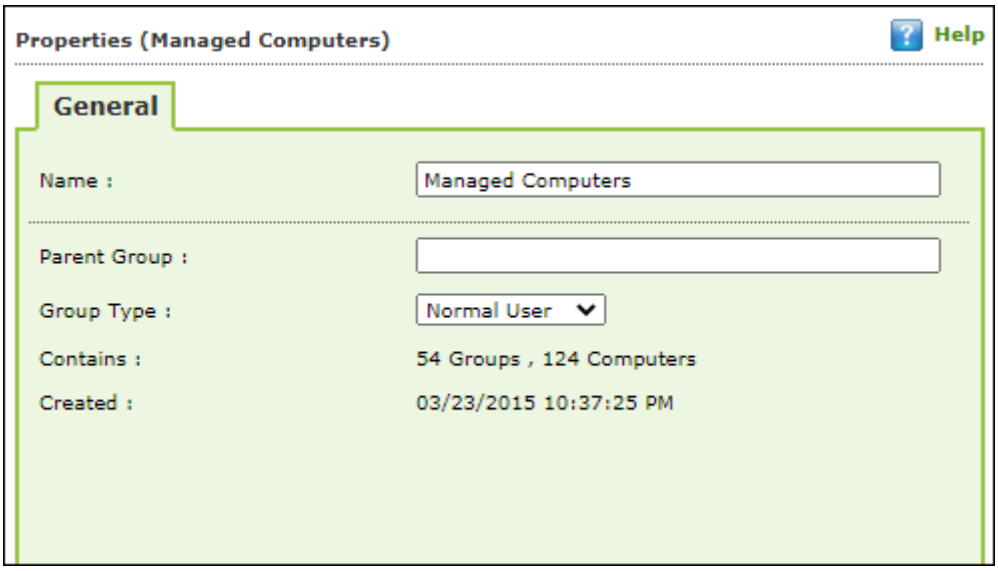
2. Select the necessary settings.
3. Click **Create Setup**. The Client setup will be created and a download link will be displayed in right pane.



Properties of a group

To view the properties of a group, follow the steps given below:

1. Select a group.
2. Click **Action List** > **Properties**.
   Properties window appears.



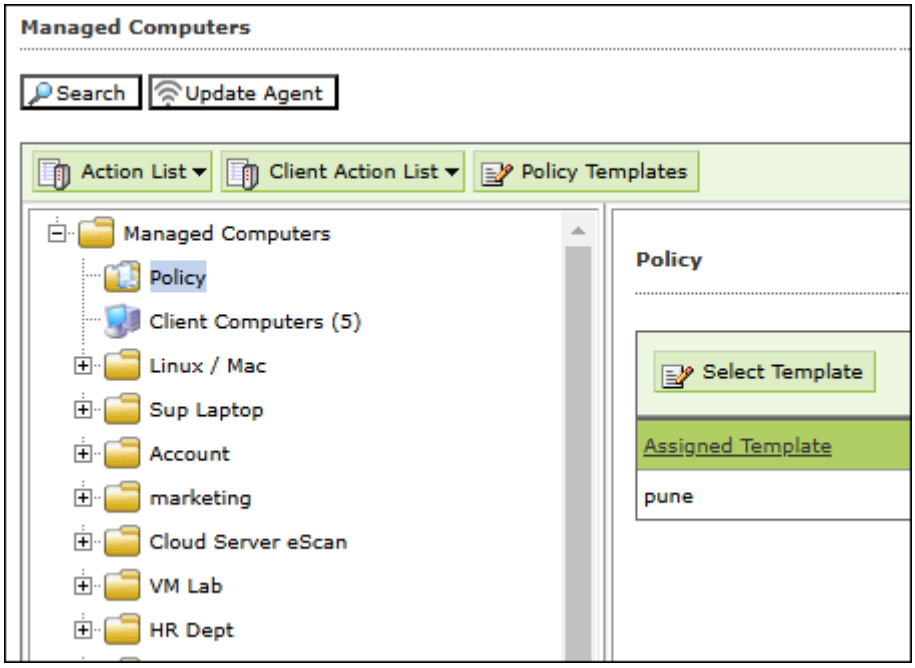
In Properties, **General** tab displays following details:

- Group Name
- Parent Group
- Contains – Sub Groups or Number of Computers in that Group
- Creation date of the Group

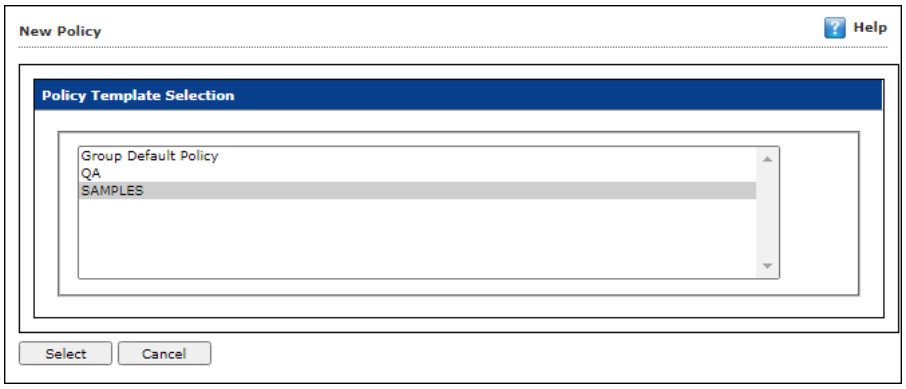
Assigning a Policy to the group

To assign a Policy to the group, follow the steps given below:

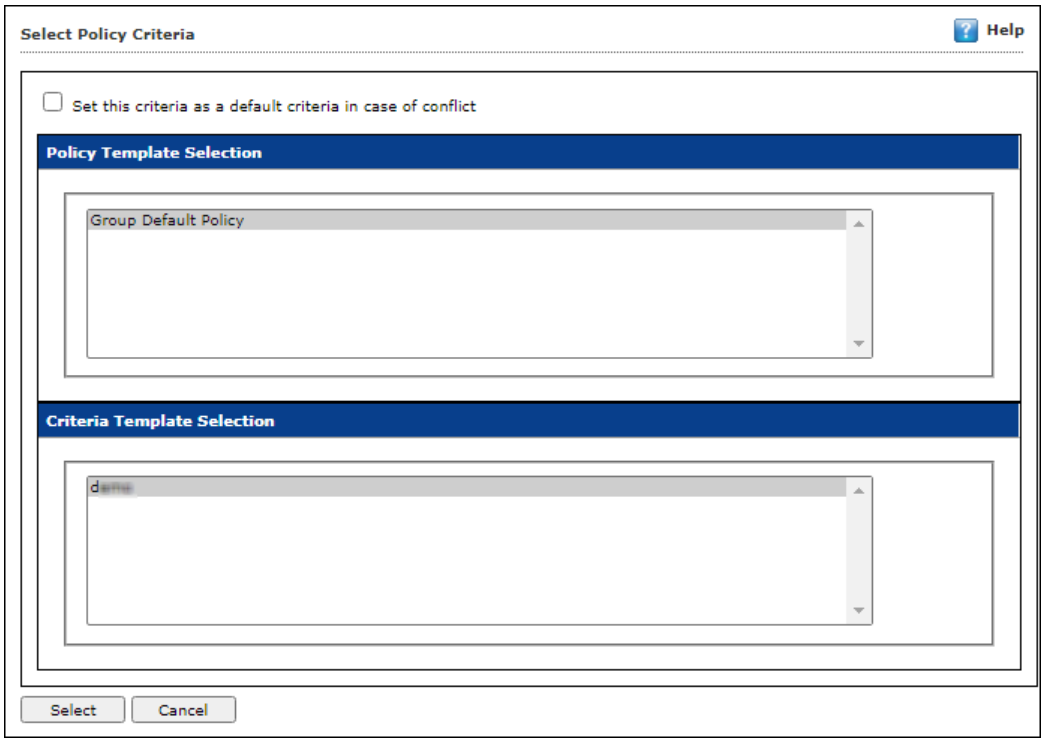
1. In the Managed Computers folder tree, select a group.
2. Under the group name, click **Policy**.
   Policy pane appears on the right side.



3. To assign a Policy Template to group, click **Select Template**. New policy window appears.



4. Select a policy template and then click **Select**.
5. To assign criteria to group, click **Select Criteria**.
   Select Policy Criteria window appears.



6. If a computer falls under both conditions created by you, it will create a conflict. To avoid such conflict, select the checkbox **Set this criteria as a default criteria in case of conflict**. Then select the Policy Template and Criteria Template to be used in case of conflict.
7. Click **Select**. The default Policy Template and Criteria Template for group will be saved and updated.

Client Action List

Client Action List lets you take action for specific computer(s) in a group. To enable this button, select computer(s) and then click **Client Action List**. The drop-down consists of following options:

- **Move to Group**
- **Remove from Group**
- **Refresh Client**
- **Show Critical Events**
- **Export**
- **Show Installed Softwares**
- **Forensic/Port Communication**
- **Create OTP**
- **Properties**

The Client Action List contains few options similar to Action List. These options perform same, except they perform the action only for selected computer(s).

Move to Group

To move computers from one group to other, follow the steps given below:

1. Go to **Managed Computers**.
2. Select the desired computers present in a group.
3. Click **Client Action List** > **Move to Group.**
4. Select the group in the tree to which you wish to move the selected computers and click **OK**. The computers will be moved to the selected group.

Remove from Group

To remove computers from a group, follow the steps given below:

1. Go to Managed Computers.
2. Select the desired computers for removal.
3. Click **Client Action List** > **Remove from Group**. A confirmation prompt appears.
4. Click **OK**. The computers will be removed from the group.

Refresh Client

To refresh status of any client computer, follow the steps given below:

1. Under any group, click **Client Computers**. A list of computers appears on the right pane.
2. Select a computer.
3. Click **Refresh Client**. The Client will be refreshed.

Show Critical Events

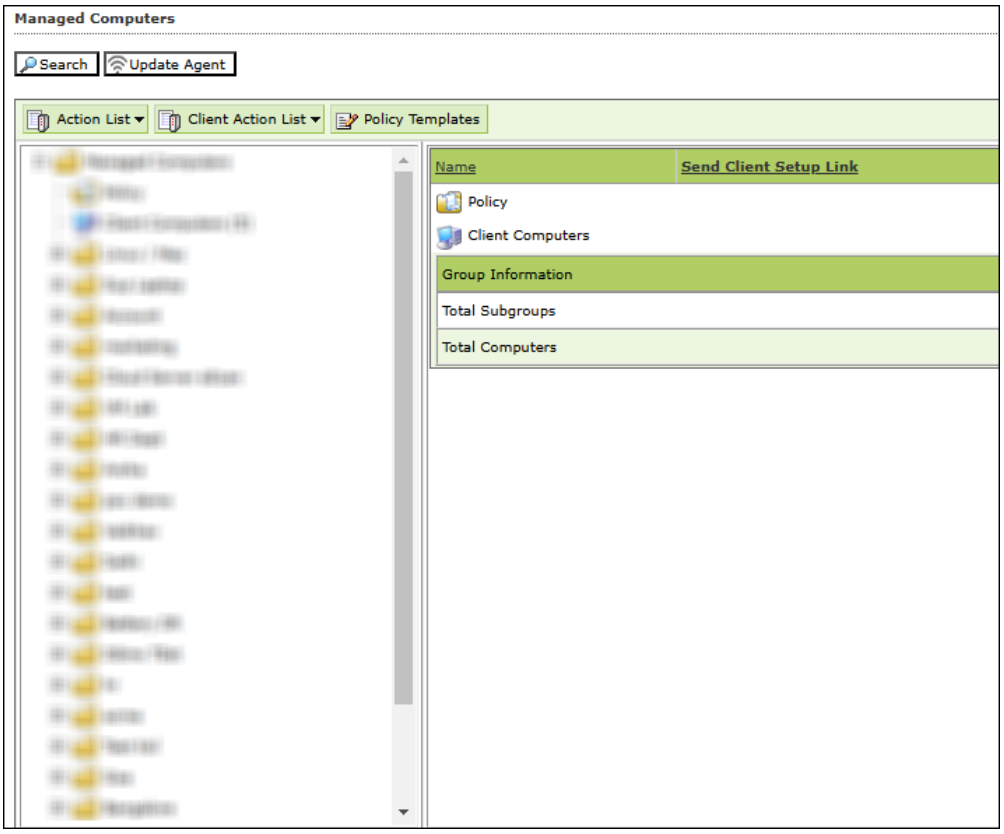
To show critical events of specific computer, follow the steps given below:

1. Go to **Managed Computers**.
2. Select the client computer which you want to assign policy template.
3. Click **Client Action List** > **Show Critical Events**.
   This will display the list of all the critical events of the computer that can also be exported as a report.

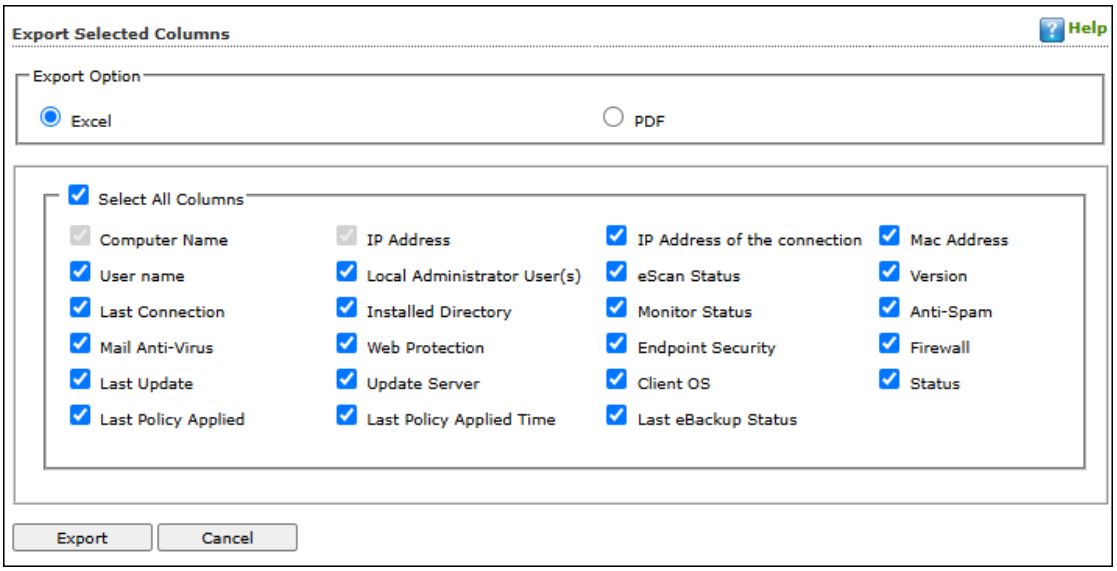
Export

To export a client computer's data, follow the steps given below:

1. In the Managed Computers folder tree, select a group and then click **Client Computers**.
   The right pane displays the list of computers in the group and their detailed information.



2. Select a client computer and the click **Client Action List** > **Export**.
   Export Selected Columns window appears displaying export options and a variety of columns to be exported.

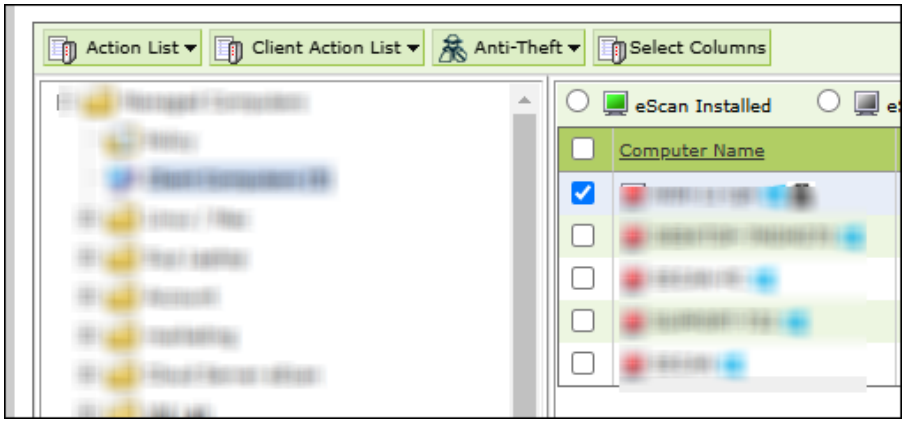


3. Select the preferred export option.
4. Select the preferred report columns.
5. Click **Export**.
   The report will be exported as per your preferences.

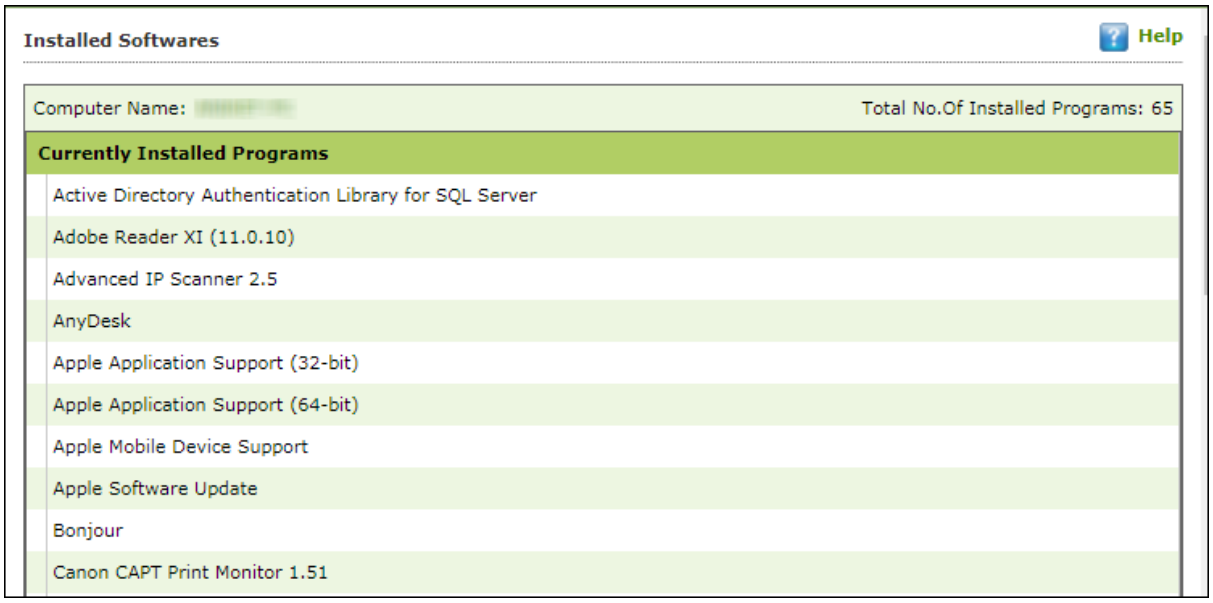
Show Installed Softwares

This feature displays a list of installed softwares on a computer. To view the list of installed softwares, follow the steps given below:

1. In the Managed Computers folder tree, select a group and then click **Client Computers**. The right pane displays the list of computers in the group and their detailed information.



2. Select a client computer and then click **Client Action List** > **Show Installed Softwares**. Installed Softwares window appears displaying list of installed softwares and in the top right corner displays total number of installed softwares.



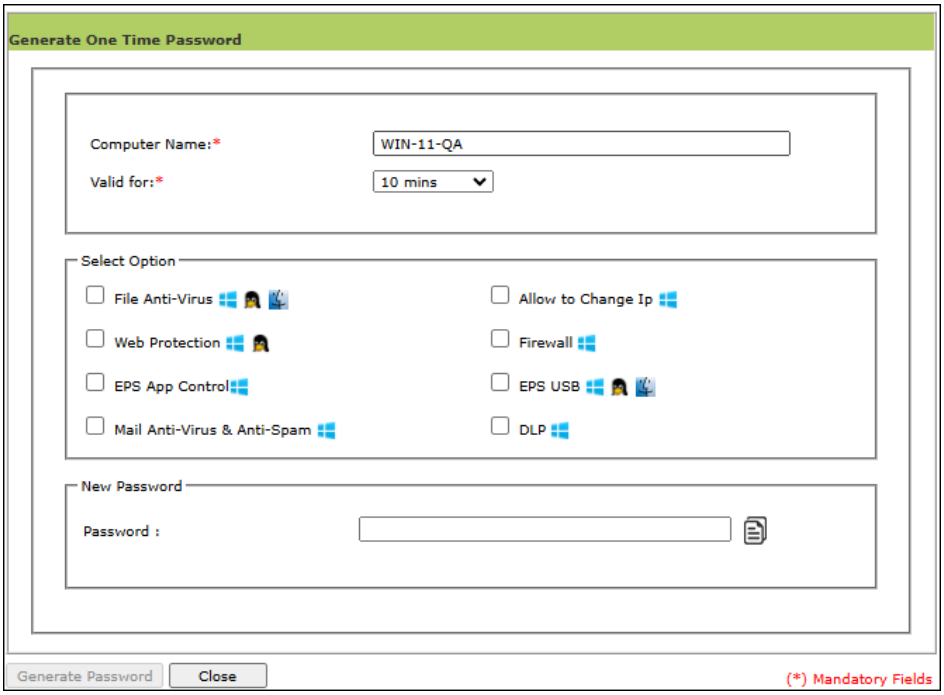
Create OTP

The password protection restricts user access from violating a security policy deployed in a network. For example, the administrator has deployed a security policy to block all USB devices, but a user needs USB access for a genuine reason. In such situation, One Time Password (OTP) can be generated for that disables USB block policy on specific computer. The administrator can define policy disable duration ranging from 10 minutes to an hour without violating existing policy.

Generating an OTP

To generate an OTP, follow the steps given below:

1. In the **Managed Computers** screen, select the client computer for which you want to generate the OTP.
2. Click **Client Action List** > **Create OTP**. Password Generator window appears.



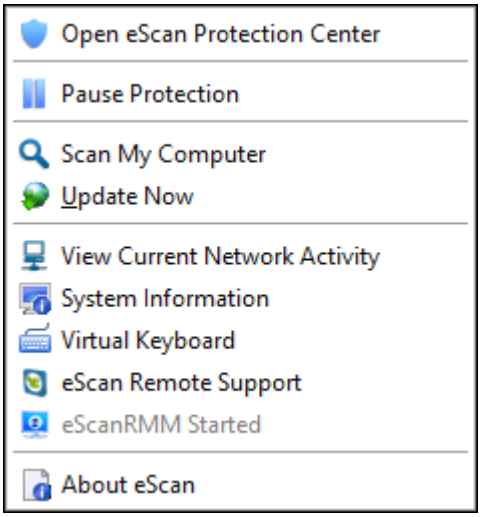
3. In the **Valid for** drop-down, select the preferred duration to bypass the protection module.
4. In **Select Option** section, select the module you want to disable.

5. Click **Generate Password**. An OTP will be generated and displayed in **Password** field.

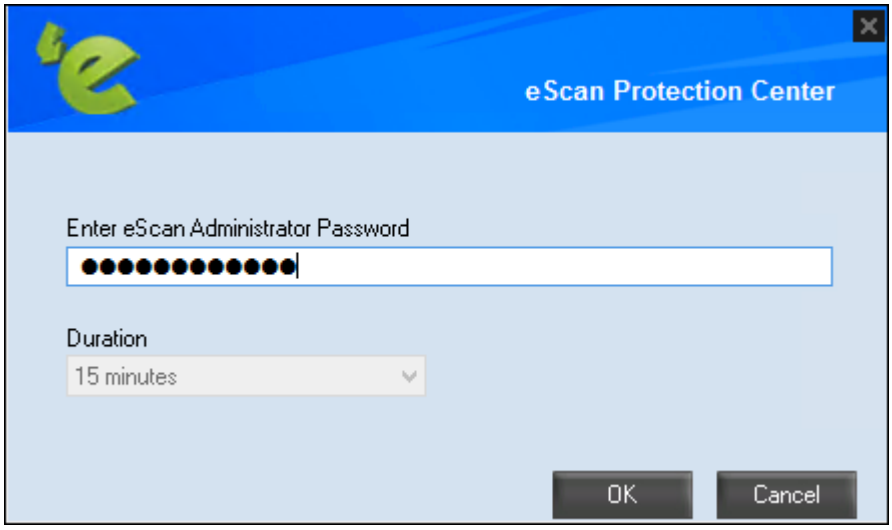
Entering an OTP

To enter an OTP, follow the steps given below:

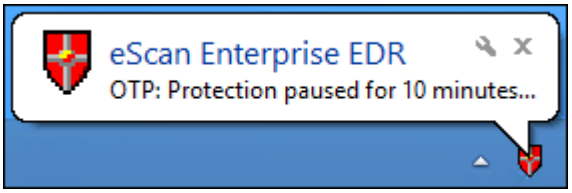
1. In the Taskbar, right-click the eScan icon. An option list appears.



2. Click **Pause Protection**. eScan Protection Center window appears.



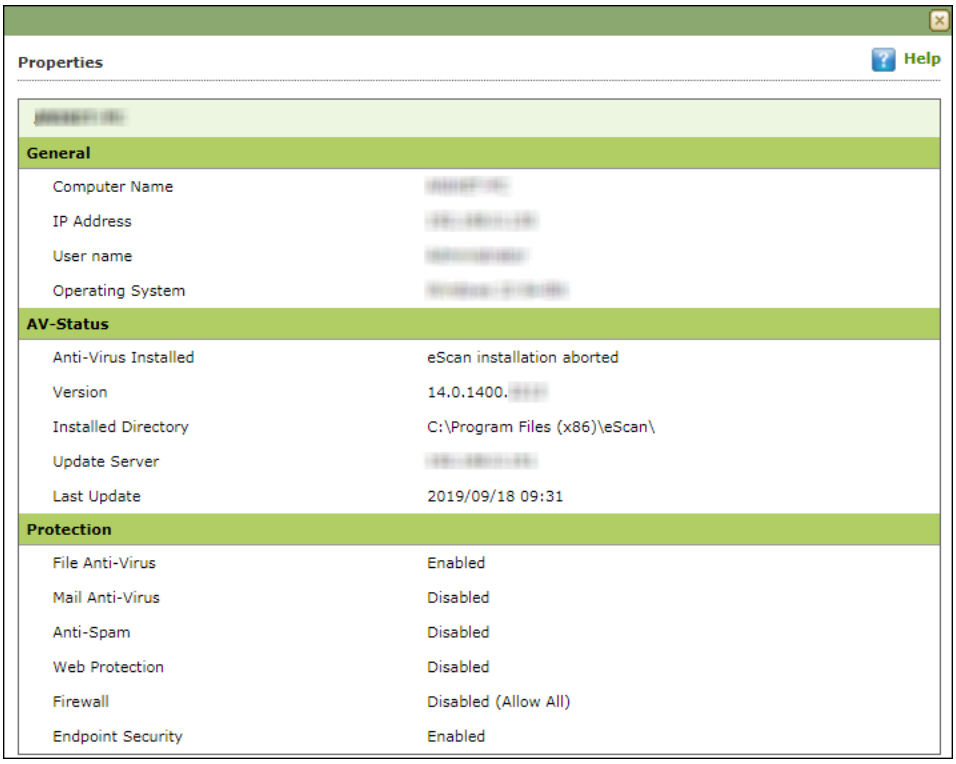
3. Enter the OTP in the field.
4. Click **OK**.
   The selected module will be disabled for set duration.



Properties of Selected Computer

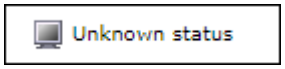
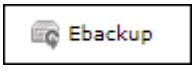
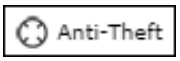
To view the properties of a selected computer, follow the steps given below:

1. Select a computer.
2. Click **Client Action List** > **Properties**. Properties window appears displaying details.



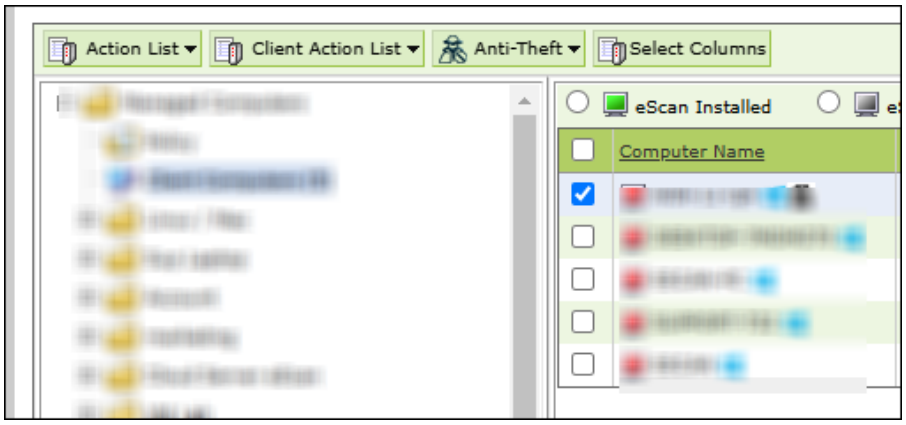
NOTE	If multiple computers are selected, the **Properties** option will be disabled.

Understanding the eScan Client Protection Status

	This status is displayed when the File anti-virus module of eScan Client is enabled and eScan was updated in last 2 days.
	This status is displayed when either eScan is not installed on any computer or File AV/Real Time Protection is disabled.
	This status is displayed when communication is broken between Server and Client due to unknown reason.
	This status is displayed when a computer is defined as an Update Agent for the group.
	This status is displayed when a computer is added to 2FA license.
	This status is displayed when a computer is added to DLP license.
	This status is displayed when a computer is added to eBackup license.
	This status is displayed when a computer is added to Anti-Theft Portal.

Anti-Theft

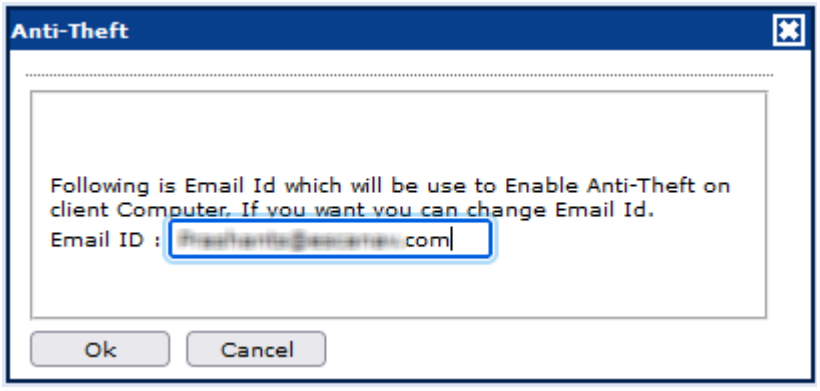
The Anti-Theft module lets you remotely locate and lock a device. This module also lets you wipe data available on a device.



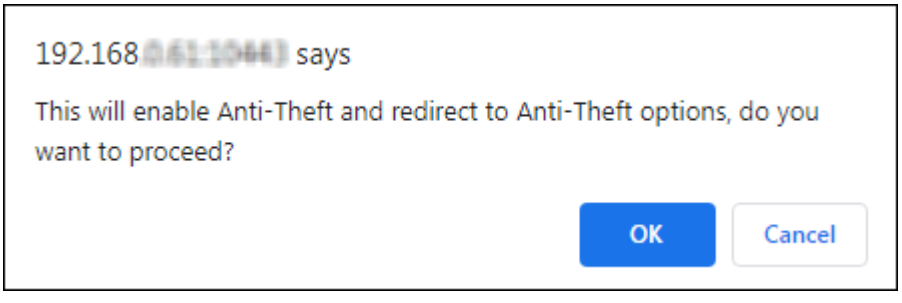
Anti-Theft Options

To add computers in an Anti-theft, follow the steps given below:

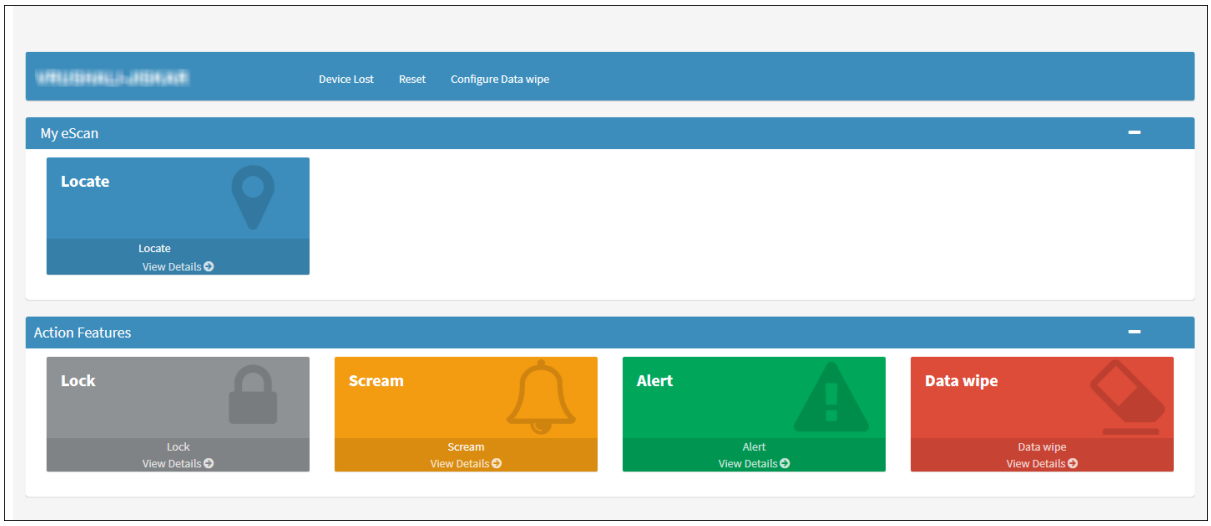
1. Go to Managed Computers.
2. Select the desired computers to add in Anti-theft Portal.
3. Click **Anti-Theft** > **Anti-Theft Options**.
4. Enter the **Email ID** then Click **OK**.
   The computer will add in Anti-Theft Portal.



5. A confirmation prompt appears.

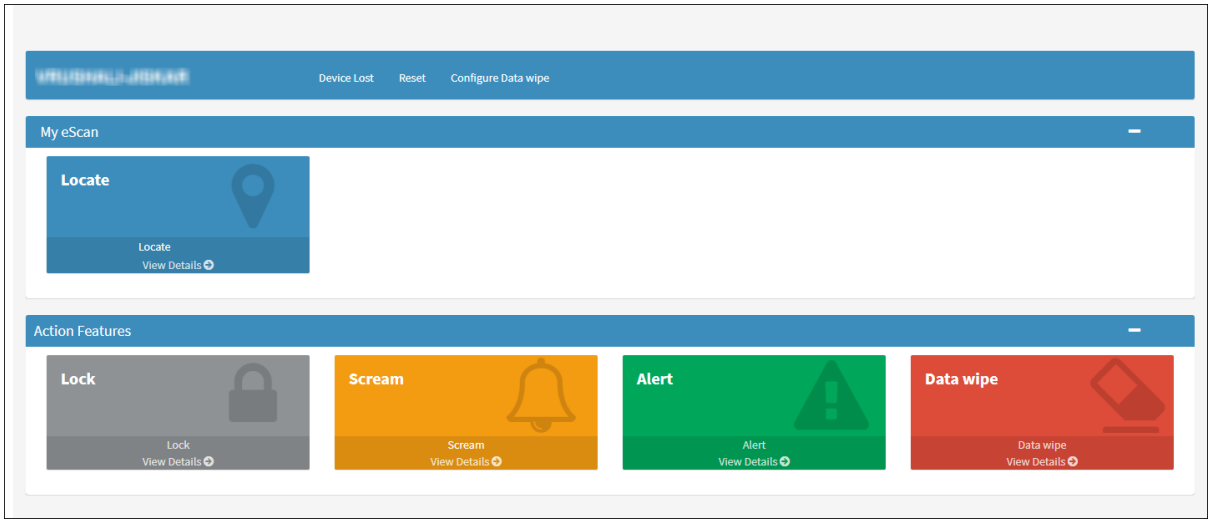


6. Click **OK**. This will redirect to Anti-Theft options.



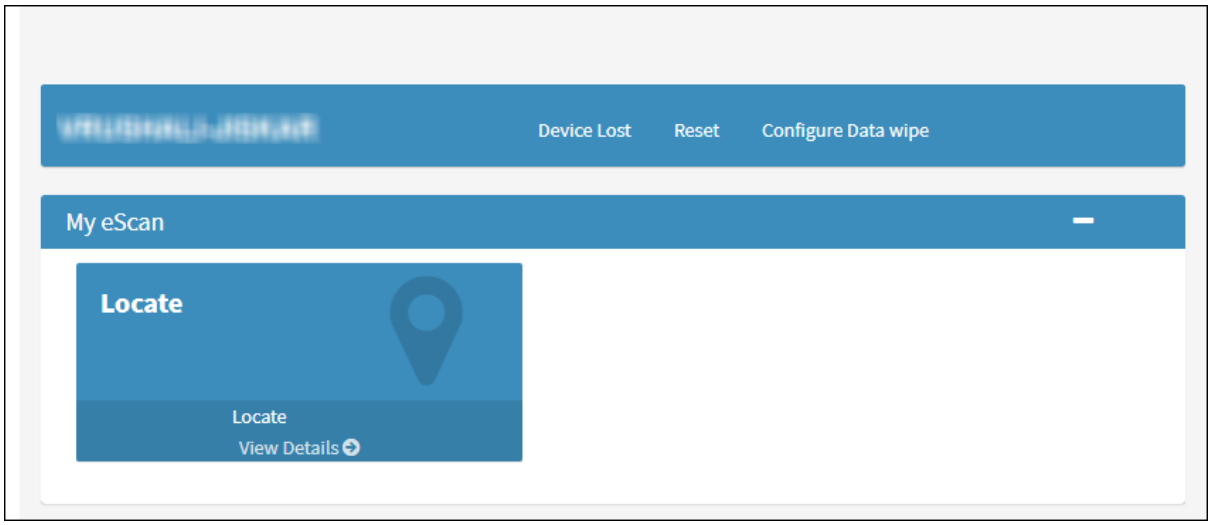
Anti-Theft Portal

1. It will display the anti-theft features that you can activate in case your system is lost or stolen.

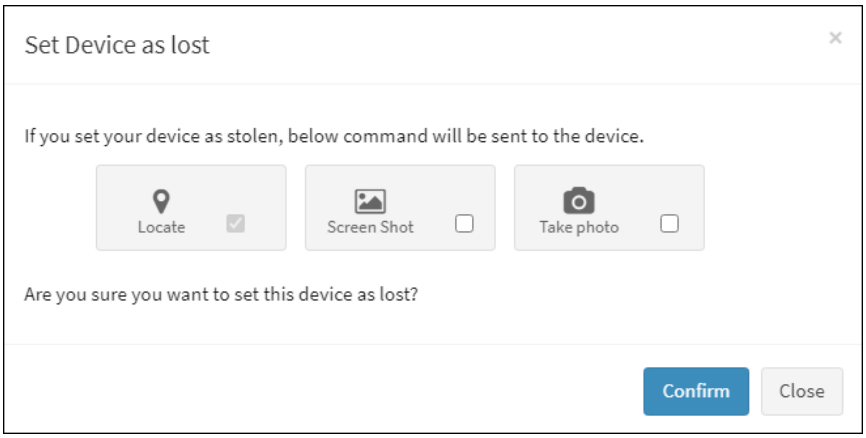


2. In case of loss or theft, click on the system name that has been lost or stolen, the status bar under it will display the system name again and when it was last seen.

3. Click **Device Lost** and this will allow you to enable the features locate, screenshot and take photo by selecting the desired options.



4. Click **Confirm** to confirm that your system has been lost and to execute the commands Locate, Screenshot, and Camera.



- **Locate**: This option will allow you to locate the system in case of loss/theft. Click on the **Locate** option on the anti-theft portal and the last known location of the system will be displayed on the map. Procedure to Locate the system:

    A. Click **Locate**, the status will change to **Request Pending**; the status will be updated as soon as the system is synced with the server. Request pending indicates that your request to locate the system is in progress.

    B. **View Details** displays the Last Location of your system on a map. It also shows details of last two successful executions of the Locate command.

- **Screenshot**: This option will take a screen shot of the system whenever it is synced to the server.

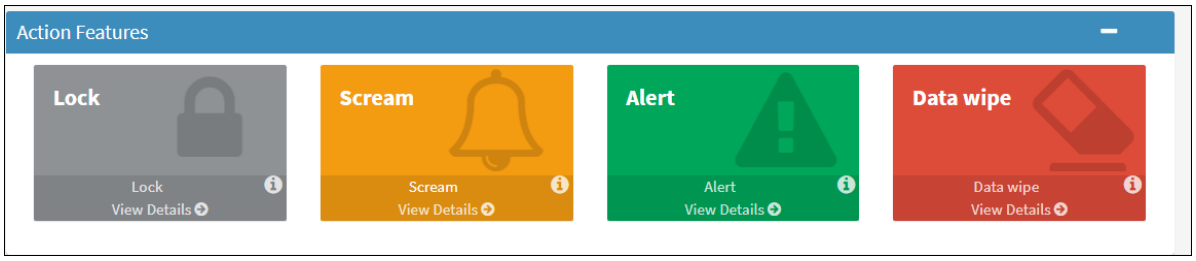
    A. Click **Screenshot**, the status will change to **Request Pending**; the status will be updated as soon as the system is synced with the server. Request pending indicates that your request to take a screenshot is in progress.

B. **View Details** displays the last two screenshots from the successful execution of the screenshot command.

- **Take Photo**: This option will allow you to take a snapshot of the current user of the system from the webcam on clicking the camera option on the anti-theft portal.

  A. Click **Camera**, the status will change to Request Pending; the status will be updated as soon as the system is synced with the server. Request pending indicates that your request to take a snapshot is in progress.

  B. **View Details** displays the last two snapshots taken from your system. Click **Reset** to reset the **Action Features** on the system; these actions can be performed on the system when it has been lost or stolen.



There are following action features:

- **Lock:** The Lock feature will block the system from any further access. You will have to unblock the system by entering the pin provided on the anti-theft portal. On the anti-theft portal, select your System Alias name and then click Lock to remotely block your system, to unblock your system you will have to enter the Secret Code provided at the time of executing the lock command.
- **Scream**: Scream will allow you to raise a loud alarm on the system; this will allow you to trace the system if it is in the vicinity. Click **Scream** option to remotely raise a loud alarm on your system.
- **Alert**: This option will allow you to send an alert message (up to 200 characters) to the lost system. This alert message will be displayed on the screen; you can write and send any message for example: Request a call back or send your address or any kind of message to the current holder of your system. With this option there will be higher chance of your lost system being returned. Click **Alert** option to remotely send a message to your lost system. Type in your message in the send message section and click confirm.
- **Data wipe**: The Data wipe feature will delete all the selected files and folders that have been added to the list to be deleted from the portal. Click data wipe option to remotely wipe all the selected files and folders or only delete the cookies and click confirm. Select the **Delete Cookies** checkbox to delete cookies or select the **Datawipe** checkbox to wipe the data and click on **Confirm**.

Disable Anti-Theft

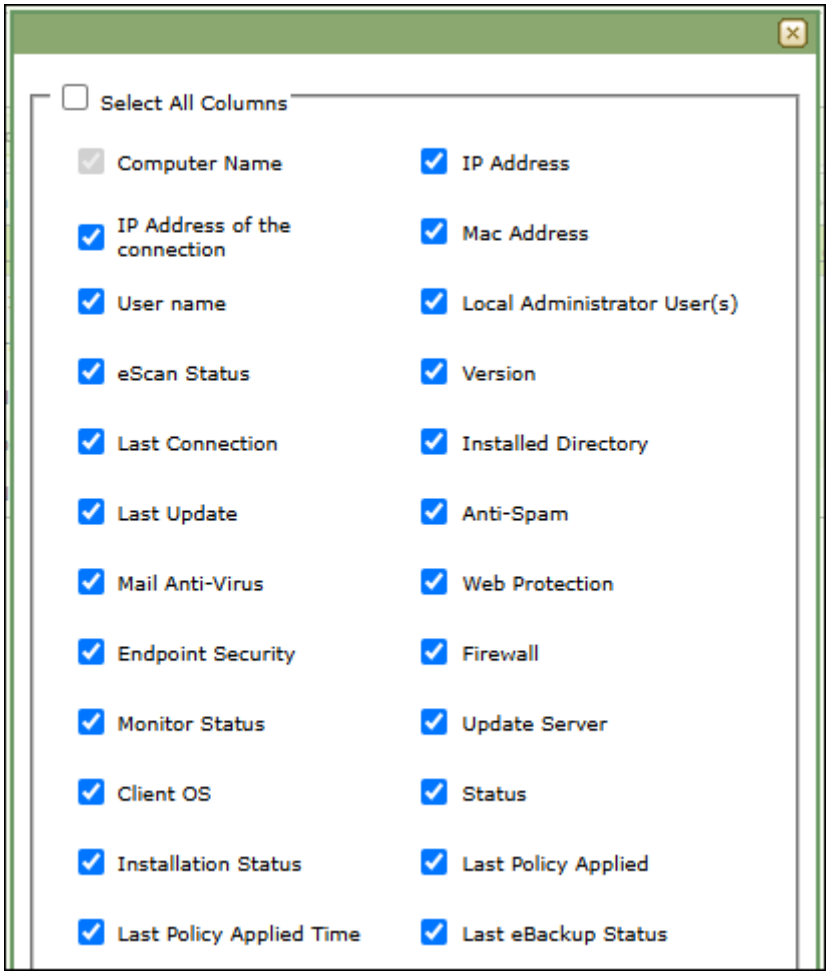
To Disable Anti-Theft, follow the steps given below:

1. Go to Managed Computers.

2. Select the desired computers in Anti-theft Portal.
3. Click **Anti-Theft** > **Disable Anti-Theft**.

Select Columns

You can customize the view regarding the details of devices, according to the requirement.



To configure this, select the computer and click **Select/Add Columns** option. You can select and configure the required columns accordingly.

Policy Template

This button allows you to add different security baseline policies for specific computer or group.

Managing Policies

With the policies you can define rule sets for all modules of eScan client to be implemented on the **Managed Computer** groups. The security policies can be implemented for Windows, Mac, and Linux computers connected to the network.

Defining Policies for Windows Computers

On Windows OS policies can be defined for following eScan Client modules:

File Anti-virus
The File Anti-Virus module scans all the existing files and folders for any infection. It also lets you report/disinfect/quarantine/delete infected objects. Moreover, it saves a copy of the report file for future reference, and displays attention messages. To learn more, **click here**.

Mail Anti-Virus
The Mail Anti-Virus module scans all the incoming emails. It scans the emails by breaking them into three sections the header, the subject and the body. After scanning, the module combines the sections and sends it to your mailbox. To learn more, **click here**.

Anti-Spam
The Anti-Spam module blocks spam emails by checking the content of outgoing and incoming mails and quarantines advertisement emails. To learn more, **click here**.

Web Protection
The Web Protection module lets you block websites. You can allow/block websites with time-based access restrictions. To learn more, **click here**.

Firewall
The Firewall module lets you put up a restriction on incoming and outgoing traffic and hacking. You can define the firewall settings here. You can define the IP range, permitted applications, trusted MAC addresses, and local IP addresses. To learn more, **click here**.

Endpoint Security
The Endpoint Security module monitors the application on client computers. It allows/ restricts USB, Block lists, White lists, and defines time restrictions for applications. To learn more, **click here**.

Privacy Control
The Privacy Control module lets you schedule an auto-erase of your cache, ActiveX, cookies, plugins, and history. You can also securely delete your files and folders, where the files will be deleted directly without any traces. To learn more, **click here**.

Administrator Password
Administrator Password lets you create and change a password for administrative login to the eScan protection center and Two-Factor Authentication. To learn more, **click here**.

ODS/Schedule Scan
ODS/Schedule Scan provides you with various options like – checking for viruses, and making settings for creating logs and receiving alerts. To learn more, **click here**.

MWL Inclusion List
The inclusion list contains the names of all executable files which will bind itself to MWTSP.DLL. All other files are excluded. To learn more, **click here**.

MWL Exclusion List

MWL Exclusion List contains the name of all executable files which will not bind itself to MWTSP.DLL. To learn more, **click here**.

Notifications & Events
Notifications & Events allows to allow/restrict the alerts that are send to admin in case of any suspicious activity or events. To learn more, **click here**.

Schedule Update
Schedule Update policy lets you schedule eScan database updates. To learn more, **click here**.

Tools
Tools policy let you configure eBackup setting. To learn more, **click here**.

Defining Policies Mac or Linux computers

You can define policies for the following modules of eScan Client on Mac or Linux OS:

File Anti-Virus
The File Anti-virus module scans all the existing files and folders for any infection. It also lets you report/disinfect/quarantine/delete infected objects. Moreover, it saves a copy of report file for future reference, and displays attention messages. This option is available for both Linux and Mac computers. To learn more, **click here**.

Endpoint Security
The Endpoint Security module monitors the application on client computers. It allows/restricts USB, block listing, white listing, and defines time restrictions. This option is available for both Linux and Mac computers. To learn more, **click here**.

On Demand Scanning
The On Demand Scanning module lets you define the categories to be scanned. For example, you can scan only the mails or archives as per your requirement. This option is available for both Linux and Mac computers. To learn more, **click here**.

Schedule Scan
The Schedule Scan module lets you schedule the scan on the basis of time, what you want to scan and what action to be taken in case of a virus and what you want to be excluded while scanning. For example, you can create a schedule to scan the mails, sub directories and archives on a daily basis and also define the action that needs to be taken in case a virus is found; you can also exclude the scan by mask or files or folders. This option is available for both Linux and Mac computers. To learn more, **click here**.

Schedule Update
The Schedule Update module lets you schedule updates for Linux Agents. To learn more, **click here**.

Administrator Password
The Administrator Password module for Linux lets you create and change password for administrative login of eScan protection center. It also lets you keep the password as blank, wherein you can login to eScan protection center without entering any password.
It lets you define uninstallation password which will be required before uninstalling eScan Client from managed computers manually. The user will not be able to uninstall eScan Client without entering uninstallation password. To learn more, **click here**.

Web Protection

The Web Protection module for Linux feature is extremely beneficial to parents as it prevents kids from accessing websites containing harmful or restricted content. Administrators can also use this feature to prevent employees from accessing non-work-related websites during work hours. To learn more, **click here**.

Network Security

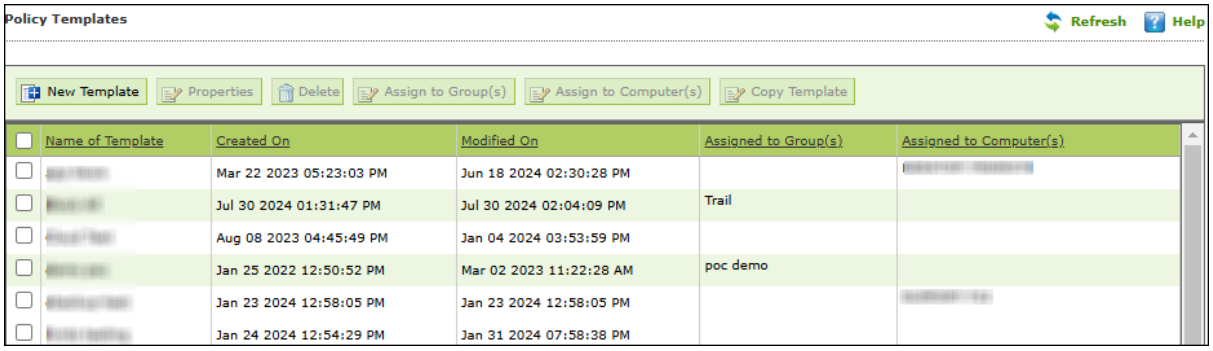
Network Security module helps to set Firewall to monitor all incoming and outgoing network traffic and protect your computer from all types of network based attacks. Enabling this features will prevents Zero-day attacks and all other cyber threats. To learn more, **click here**.

NOTE	Priority will be given to Policy assigned through **Policy Criteria** first, then the policy given to a specific computer and lastly given to policy assigned to the group to which the computer belongs.

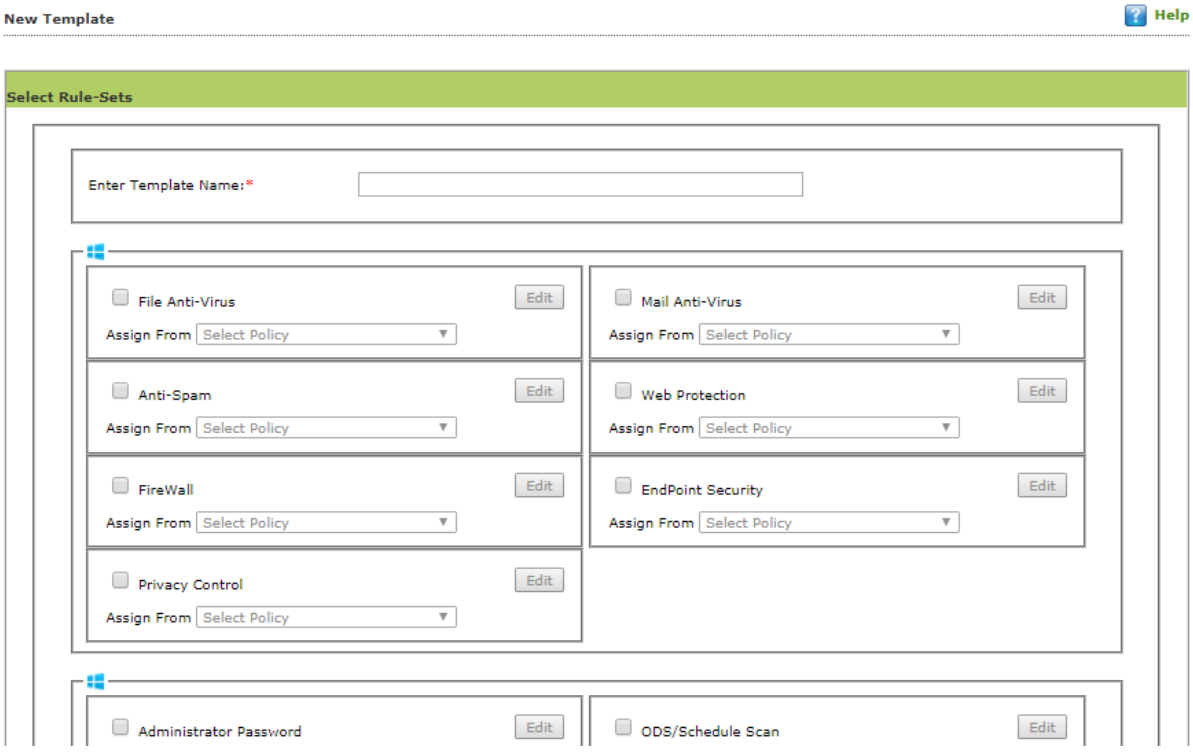
Creating Policy Template for a group/specific computer

To create a Policy template for a group, follow the steps given below:

1. Click **Managed Computers**.
2. Select the desired group and then click **Policy Template**.
   Policy Template window appears.



3. Click **New Template**. New Templates screen appears displaying modules for Windows, Linux, and Mac computers.



4. Enter a name for Template.
5. To edit a module, select it and then click **Edit**.
6. Click **Save**. The Policy Template will be saved.

Configuring eScan Policies for Windows Computers

Each module of a policy template can be further edited to meet your requirements.

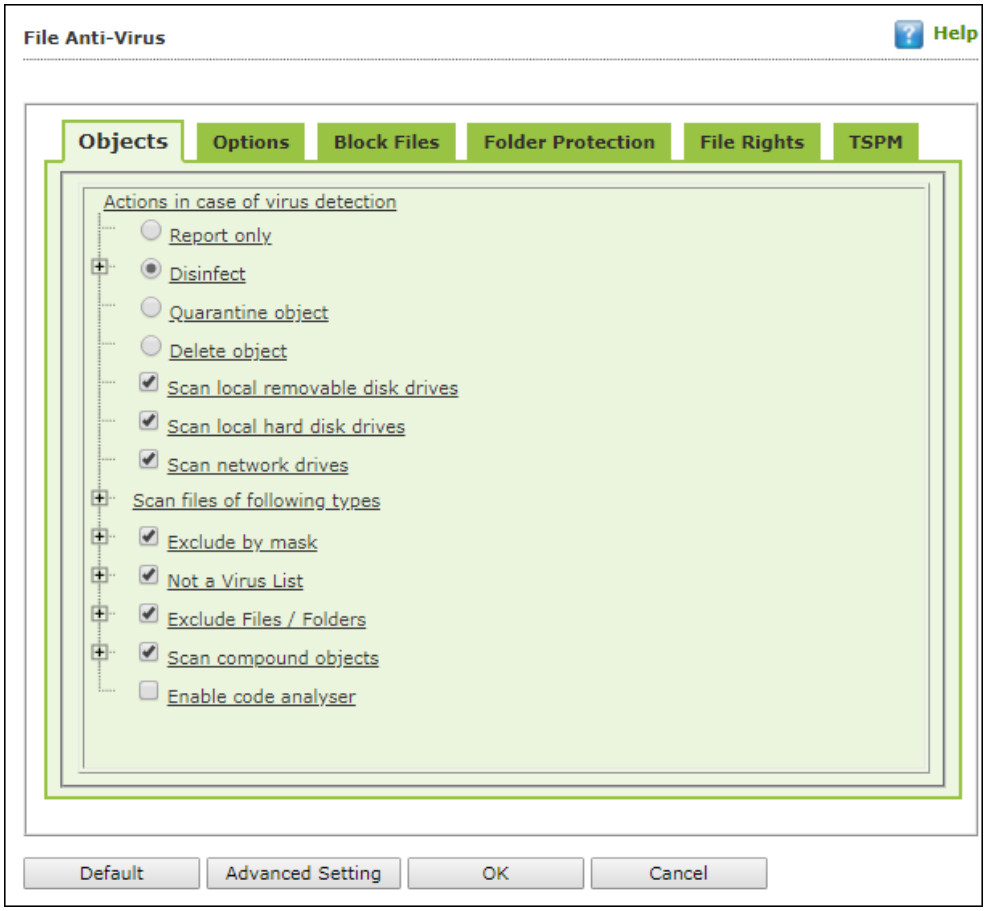
File Anti-Virus

The File Anti-Virus module displays following tabs to configure:

- Objects
- Options
- Blocked Files
- Folder Protection
- File Rights
- TSPM

Objects

The Objects tab lets you configure following options:



Actions in case of virus detection

This section lists the different actions that File Anti-Virus can perform when it detects virus infection.

Report only

Upon virus detection, eScan will only report the virus and won't take any action.

Disinfect [Default]

Upon virus detection, eScan will disinfect the object. This action has 3 additional options as below:

- **Make backup file before disinfection:** It allows you to create a backup of an object before its disinfection.
- **Report only:** If disinfection is not possible, eScan will only report the virus infection.
- **Quarantine object:** If disinfection is not possible, eScan will quarantine the object.
- **Delete object:** If disinfection is impossible, eScan will remove the object from the computer.

Quarantine object
If disinfection is impossible eScan will quarantine the object. By default, the quarantined files are saved in **C:\Program Files\eScan\Infected folder.** You can select the **Make backup file before disinfection** option if you would like to make a backup of the files before they are disinfected.

Delete object
If disinfection is impossible, eScan will remove the object from the computer.

Scan local removable disk drives [Default]
Select this option if you want eScan to scan all the local removable drives attached to the computer.

Scan local hard disk drives [Default]
Select this option if you want eScan to scan all the local hard drives installed on the computer.

Scan network drives [Default]
Select this option if you want eScan to scan all the network drives, including mapped folders and drives connected to the computer.

Scan files of following types
Select this option if you want eScan to scan all files, only infectable files, and files by extension (Scan by mask). eScan provides you a list of default files and file types that it scans by extension. You can add more items to this list or remove items as per your requirements by clicking **Add/Delete**.

Exclude by mask [Default]
Select this checkbox if you want File Anti-Virus monitor to exclude all the objects in the Exclude by mask list during real-time monitoring or scanning. You can add/delete a file or a particular file extension by clicking **Add/Delete**.

Not a virus list [Default]
File Anti-Virus is capable of detecting riskware. Riskware refers to software originally not intended to be malicious but somehow can pose as a security risk to critical operating system functions. You can add the names of riskware, such as remote admin software, to the riskware list in the **Not a virus list** dialog box by clicking **Add/Delete** if you are certain that they are not malicious. The riskware list is empty by default.

Exclude Files/Folders [Default]
Select this checkbox if you want File Anti-Virus to exclude all the listed files, folders, and sub folders while it is monitoring or scanning folders. The files/folders added to this list will be excluded from only real-time scan as well as on demand scan. You can add or delete files/folders from the list of by clicking **Add/Delete**.

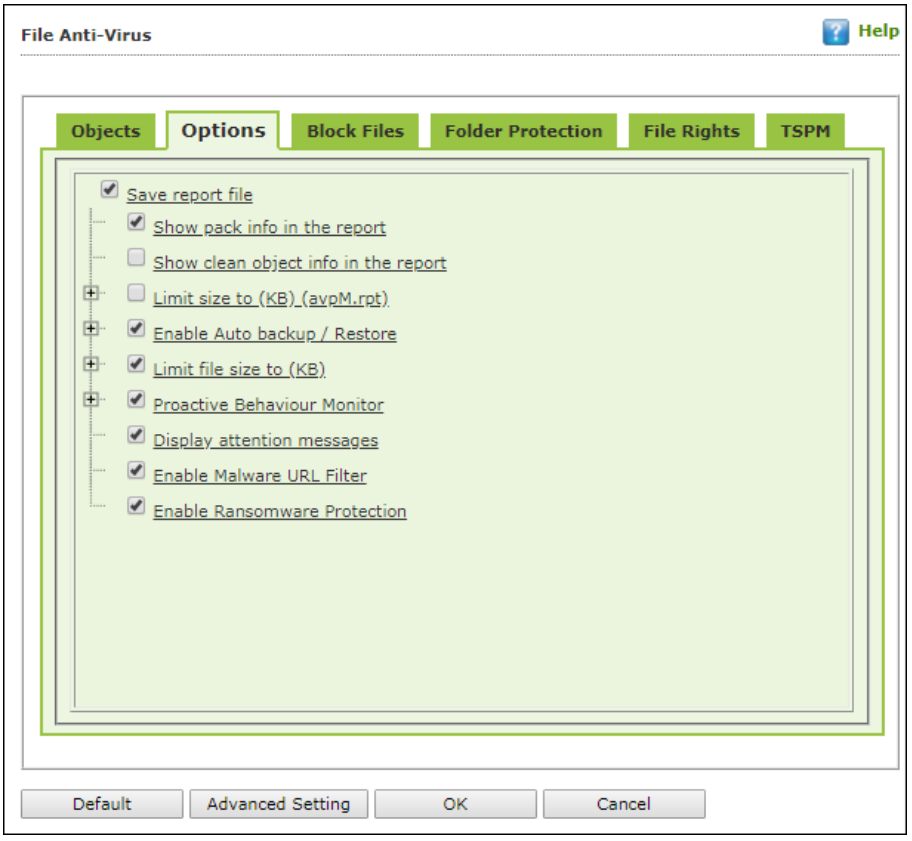
Scan compound objects [Default]
Select this checkbox if you want eScan to scan archives and packed files during scan operations. By default, **Packed** is selected. All the procedures will be followed.

Enable Code Analyzer

Select this checkbox if you want eScan to scan your computer for suspicious objects or unknown infections by using the heuristic analyzer. After selection, File Anti-Virus not only scans and detects infected objects, but also checks for suspicious files stored on computer.

Options

The Options tab lets you configure following options:



Save report file [Default]
Select this checkbox if you want eScan to save the reports generated by the File Anti-Virus module. The report file logs information about the scanned files and the action taken by File Anti-Virus when an infected file was found during the scan.

Show pack info in the report [Default]
Select this checkbox if you want File Anti-Virus to add information regarding scanned compressed files, such as .zip and .rar files to the Monvir.log file.

Show clean object info in the report
Select this checkbox if you want File Anti-Virus to add information regarding uninfected files found during a scan operation to the **Monvir.log** file. You can select this option to find out which files are not infected.

Limit size to (Kb) (avpM.rpt)
Select this checkbox if you want File Anti-Virus to limit the size of the **Monvir.log** file and **avpM.rpt** file. To modify the limit, enter the log file size in field.

Enable Auto backup/Restore [Default]
Selecting this checkbox lets you back up the critical files of the Windows® operating system and then automatically restores the clean files when eScan finds an infection in any of the system files that cannot be disinfected. You can configure the following settings:

- **Do not backup files above size (KB) [Default]:** This option lets you prevent File Anti-Virus from creating backup of files that are larger than the file size that you have specified.
- **Minimum disk space (MB) [Default]:** The Auto-backup feature will first check for the minimum available space limit defined for a hard disk drive. If the minimum defined space is available then only the Auto-backup feature will work, if not it will stop without notifying. You can allot the Minimum disk space to be checked from this option. By default, the minimum disk space is 500 MB.

Limit file size to (KB) [Default]
This checkbox lets you set a limit size for the objects or files to be scanned. The default value is set to **20480 Kb**.

Proactive Behavior Monitor [Default]
Selecting this checkbox enables File Anti-Virus to monitor the computer for suspicious applications/programs and block them on a real-time basis when they try to execute. Selecting this checkbox enables below options to configure:

- **Ask user for action**
  This option allows user to receive the confirmation prompt before Proactive Behavior Monitor blocks the suspicious application/program. Select **Yes,** to proceed with the blocking of application and **No** to cancel the blocking.
- **White List**
  Whitelisting allows you to select the files from the database that you want to exclude from being blocked. To whitelist a file/folder, click **Whitelist** and then click **Add from DB**.

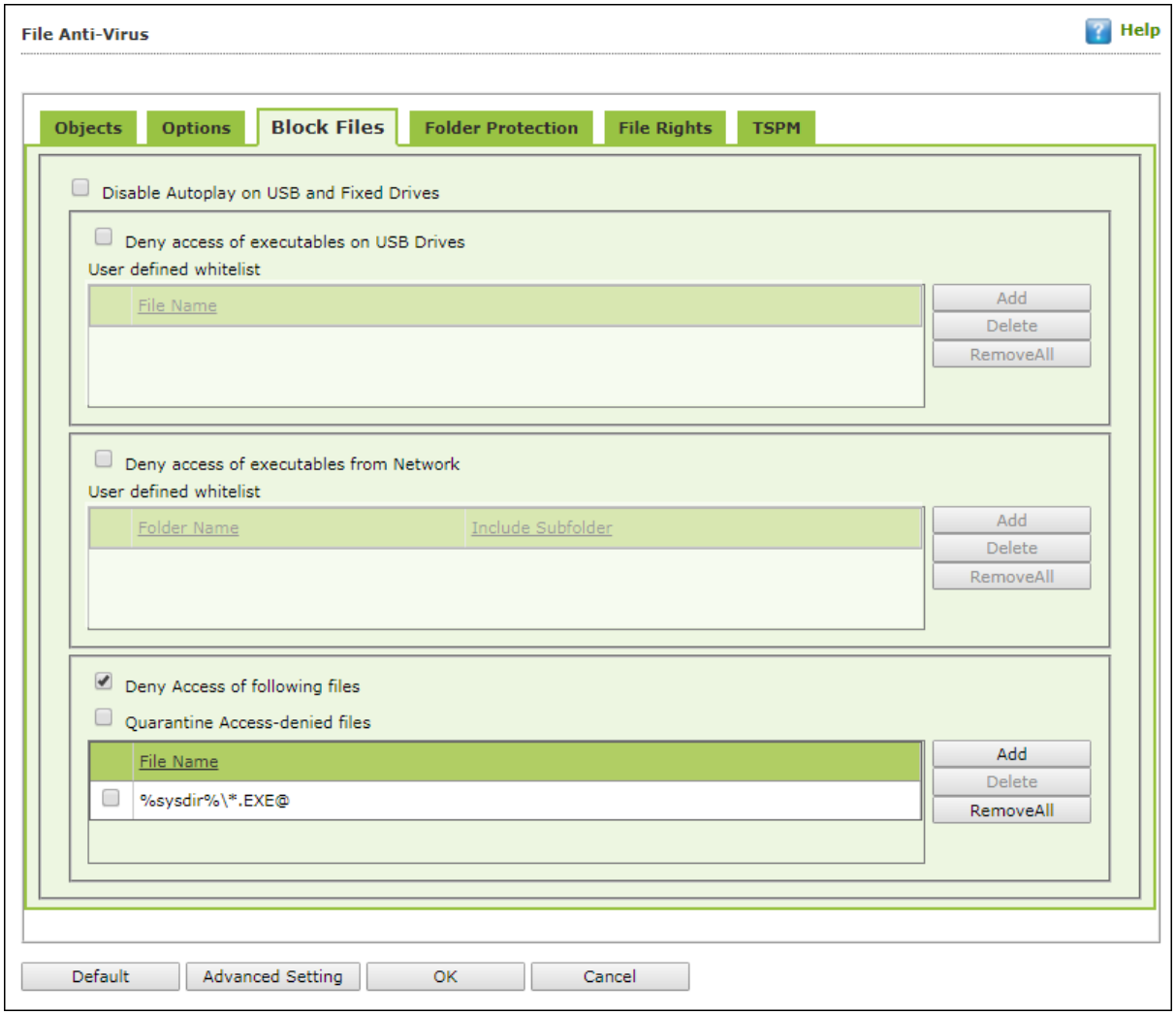
Display attention messages [Default]
When this option is selected, eScan displays an alert consisting the path and name of the infected object and the action taken by the File Anti-Virus module.

Enable Malware URL Filter
This option lets you enable a Malware URL filter where eScan blocks all URLs that are suspected to be malwares. You can exclude specific websites by whitelisting them from the eScan pop up displayed when you try to access the site.

Enable Ransomware Protection[Default]
This option lets you enable Ransomware Protection on the system where eScan blocks any suspected ransomware activities performed on system. With the technology called PBAE (Proactive Behavior Analysis Engine) eScan monitors the activity of all processes on the local computer and when it encounters any activity or behavior that matches a ransomware, it raises a red flag and blocks the process.

Block Files

The Block Files tab lets you configure settings for preventing executables and files, such as autorun.inf, on network drives, USB drives, and fixed drives from accessing your computer.



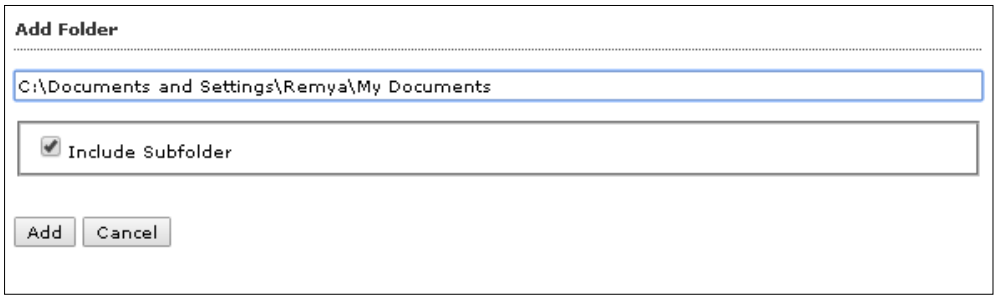
You can configure the following settings:

Disable AutoPlay on USB and Fixed Drives
Selecting this option will disable AutoPlay when a USB/Fixed Drive is connected.

Deny access of executables on USB Drives
Select this checkbox if you want eScan to prevent executables stored on USB drives from being accessed.

Deny access of executable from Network
Select this checkbox if you want eScan to prevent executables on the client computer from being accessed from the network.

User defined whitelist
This option is enabled after selecting the **Deny access of executable from Network** checkbox. You can use this option to enter the folders that need to be whitelisted so that executables can be accessed in the network from the folders mentioned under this list. To add files, click **Add**.



Enter the complete path of the folder to be whitelisted on the client systems. You can either whitelist the parent folder only or select the **Include subfolder** option to whitelist the subfolders as well.

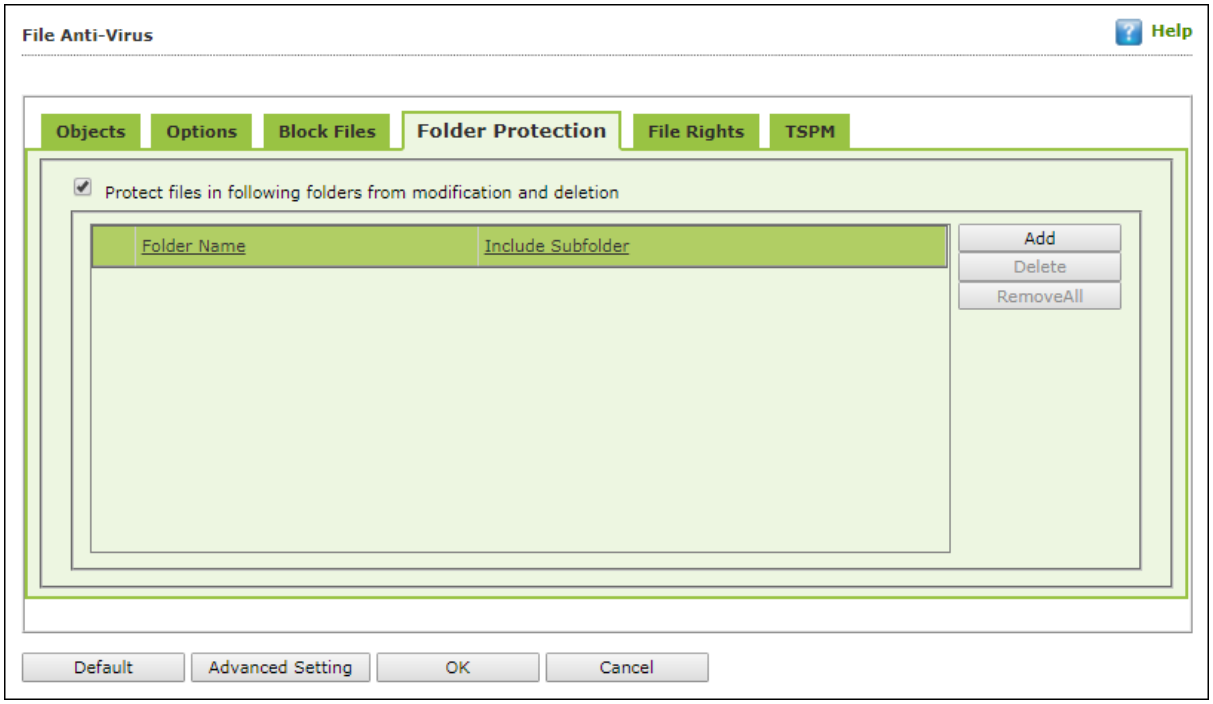
Deny Access of following files [Default]
Select this checkbox if you want eScan to prevent the files in the list from running on the computers.

Quarantine Access-denied files
Select this checkbox if you want eScan to quarantine files to which access is denied.

1. You can prevent specific files from running on the eScan client computer by adding them to the Block Files list. By default, this list contains the value %sysdir%*.EXE@. Click **Add**.
2. Enter the full name of the file to be blocked from execution on the client systems.

Folder Protection

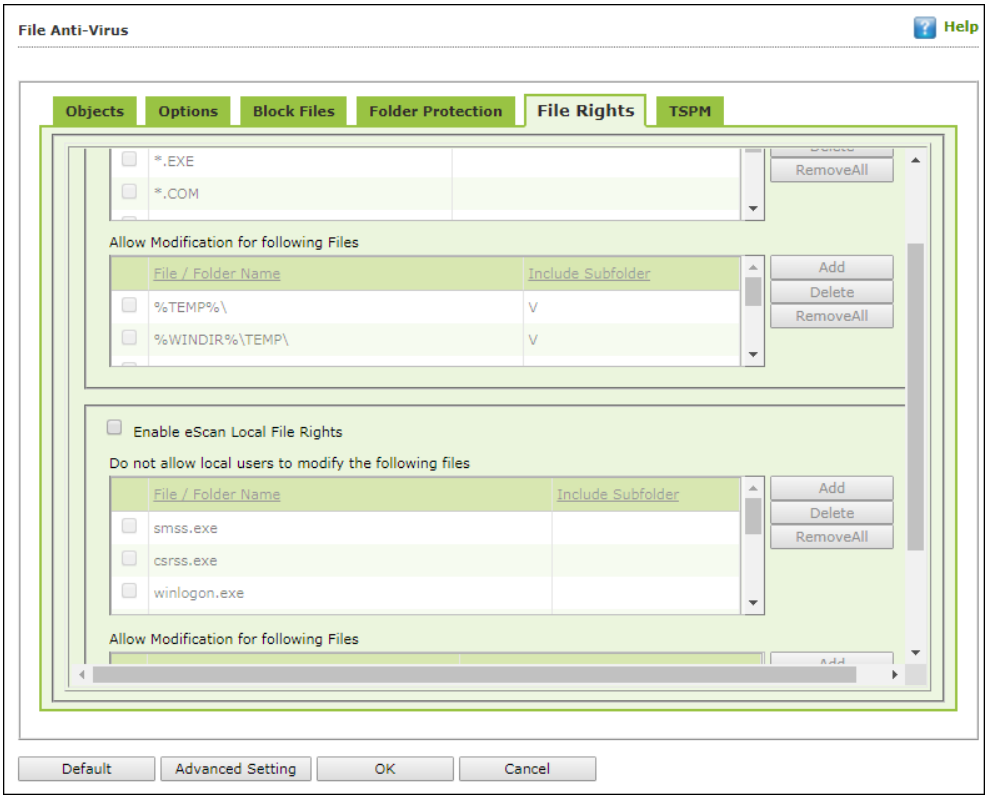
The Folder Protection tab lets you protect specific folders from being modified or deleted by adding them to the Folder Protection list. It lets you configure the following setting:



Protect files in following folders from modification and deletion [Default]
Selecting this checkbox enables File Anti-Virus module to protect files in specific folders from being modified or deleted on the client systems. Click **Add**. Enter the complete path of the folder to be protected on the client systems. You can either protect the parent folder only or select the **Include subfolder** option to protect the subfolders as well.

File Rights

The File Rights tab restricts or allows for remote or local users from modifying folders, subfolders, files or files with certain extensions.



Enable eScan Remote File Rights

Select this checkbox to allow/restrict the remote users to make any modifications to the files and folders.

Do not allow remote users to modify the following local files

The files/folders added to this list cannot be modified by the remote users.

Allow modification for following files

The files added to this list can be modified by the remote user.

Enable eScan local file rights

Select this checkbox to allow/restrict the local users to make any modifications to the files/folders.

Do not allow local users to modify the following files

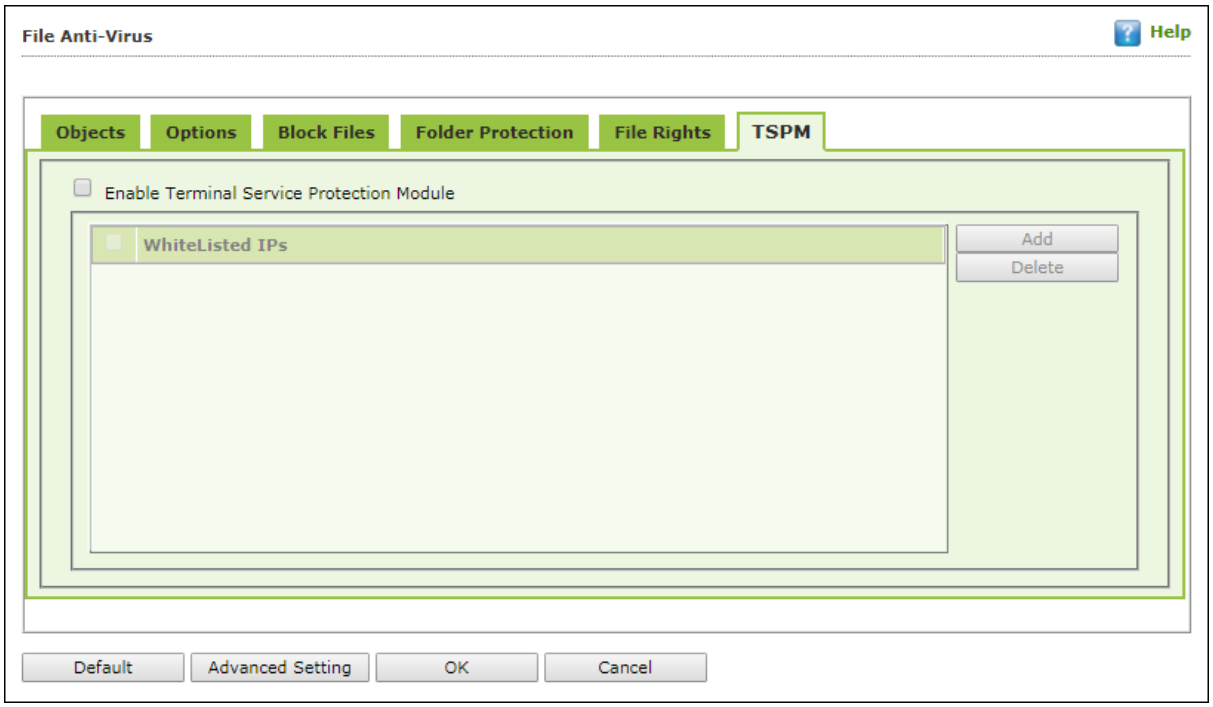
The files/folders added to this list cannot be modified by the local users.

Allow modification for files

The files/folders added to this list can be modified by the local users.

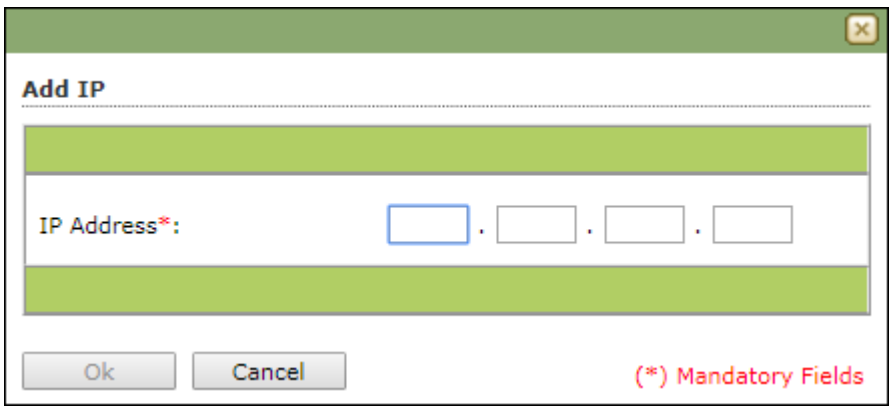
TSPM

eScan's TSPM (Terminal Service Protection Module) detects brute force attacks, identifies suspicious IP addresses/hosts and blocks the access attempts from them to prevent future attacks. The IP addresses and hosts from the attacks are banned from initiating any further connections to the system. It also detects and stops attempts of attackers who try to uninstall security applications from systems and alerts administrators about the preventive measures initiated by TSPM.



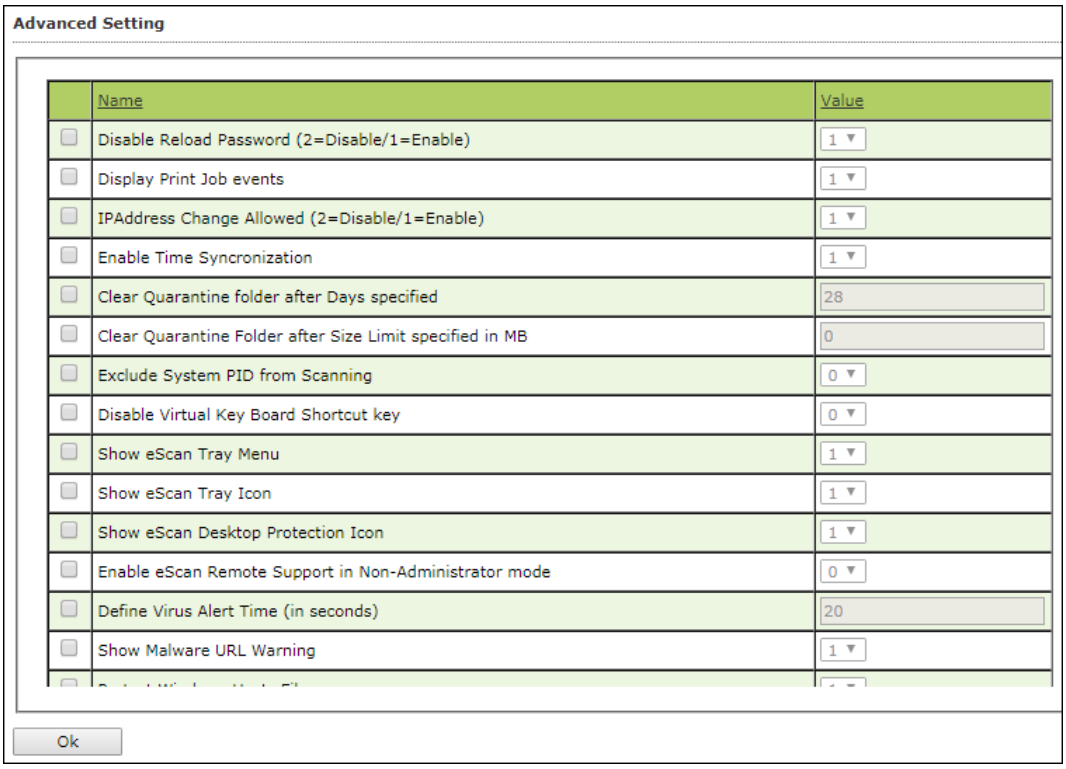
Enable Terminal Service Protection Module
Select this checkbox to activate TSPM module.

- **Allow only whitelisted IPs**: Select this option to allow only whitelisted IPs to connect to the endpoints.
  To add a list of IP addresses to be excluded from being blocked by TSPM, click **Add**. Add IP window appears.



Advanced Settings

Clicking **Advanced Settings** lets you configure advanced settings for console.



Disable Reload Password (2=Disable/1=Enable)
This option lets you enable or disable password for reloading eScan. After enabling, the user will be asked to enter reload password if user attempts to reload eScan. This is the administrator password for eScan Protection Center.

Display Print Job events (1 = Enable/0 = Disable)
This option lets you capture events for the Print Jobs from Managed Computers.

IP Address Change Allowed (2 = Disable/1 = Enable)
This option lets you enable/disable IP Address Change by the user on their computer.

Enable Time Synchronization (1 = Enable/0 = Disable)
This option lets you enable/disable time synchronization with internet. Active internet connection is mandatory for this feature.

Clear Quarantine folder after Days specified
This option lets you specify number of days after which the Quarantine folder should be cleared on Managed Computers.

Clear Quarantine Folder after Size Limit specified in MB
This option lets you specify size limit for the Quarantine folder. If the defined size limit exceeds, the Quarantine folder will be cleared on Managed Computers.

Exclude System PID from Scanning (1 = Enable/0 = Disable)
This option lets you exclude system process ID (Microsoft assigned System PIDs) from scanning on Managed Computers.

Disable Virtual Key Board Shortcut key (1 = Enable/0 = Disable)

This option lets you disable shortcut for using Virtual Keyboard on Managed Computers.

Show eScan Tray Menu (1 = Show/0 = Hide)
This option lets you Hide or Show eScan Tray menu on Managed Computers.

Show eScan Tray Icon (1 = Show/0 = Hide)
This option lets you hide or show eScan Tray Icon on Managed Computers.

Show eScan Desktop Protection Icon (1 = Show/0 = Hide)
This option lets you hide or show eScan Protection icon on Managed Computers.

Enable eScan Remote Support in Non-Administrator mode (1 = Enable/0 = Disable)
This option lets you enable/disable eScan Remote Support in Non-Administrator Mode. eScan will not prompt for entering Administrator Password to start eScan Remote Support from Managed Computers.

Define Virus Alert Time (in seconds)
This option lets you define time period in seconds to display Virus Alert on Managed Computers.

Show Malware URL Warning (1 = Show/0 = Hide)
This option lets you show or hide Malware URL warning messages on Managed Computers.

Protect Windows Hosts File (1 = Allow/0 = Block)
Use this option to Allow/Block modifications to Windows Host Files.

Search for HTML Scripts (1 = Allow/0 = Block)
Use this option to Allow/Block search for html script (infection) in files. This option will have impact on system performance.

Show Network Executable block alert (1 = Show/0 = Hide)
This option lets you show/hide Network executable block alerts on Managed Computers.

Show USB Executable Block Alert (1 = Show/0 = Hide)
This option lets you show/hide USB executable block alerts on Managed Computers.

Show eScan Tray Icon on Terminal Client (1 = Show/0 = Hide)
This option lets you show/hide eScan Tray Icon on Terminal Clients on Managed Computers.

Enable eScan Self Protection (1 = Enable/0 = Disable)
This option lets you Enable/Disable eScan Self Protection on Managed Computers, if this feature is enabled, no changes or modifications can be made in any eScan File.

Enable eScan Registry Protection (1 = Enable/0 = Disable)
This option lets you Enable/Disable eScan Registry Protection. User cannot make changes in protected registry entries if it is enabled on Managed Computers.

Enable backup of DLL files (1 = Enable/0 = Disable)
This option lets you Enable/Disable backup of DLL files on Managed Computers.

Integrate Server Service dependency with Real-time monitor (1 = Enable/0 = Disable)
This option lets you Integrate Server Service dependency with real-time monitor.

Send Installed Software Events (1 = Enable/0 = Disable)
This option lets you receive Installed Software Events from Managed Computers.

Enable Cloud (1 = Enable/0 = Disable)
This option lets you Enable/Disable eScan Cloud Security Protection on Managed Computers.

Enable Cloud Scanning (1 = Enable/0 = Disable)
This option lets you Enable/Disable Cloud Scanning on Managed Computers.

Remove LNK (Real-Time) (1 = Enable/0 = Disable)
This option lets you Enable/Disable Removal of LNK on real-time basis.

Whitelisted AutoConfigURL
This option lets you whitelist AutoConfigURLs. Enter comma separated URLs that need to be whitelisted.

Disable Add-ons/Extension blocking (1 = Enable/0 = Disable)
Selecting this option disables Add-ons and Extension blocking.

Include files to scan for archive (Eg: abc*.exe)
This option lets you add file types that needs to be when archive scanning enabled.

Block Date-Time Modification (1 = Enable/0 = Disable)
This option lets you block the modification of the system date and time.

Allow CMD-Registry for Date-Time blocking (Depends upon Block Date-Time Modification) (1 = Enable/0 = Disable)
Selecting this option lets you block date-time modification from the CMD-Registry.

Domain list for exclusion of Host file scanning (e.g. abc.mwti)
Selecting this option lets you add the list of domains to be excluded from host file scanning.

Disable Pause Protection and Open Protection center on Right Click (Set 192 for disable)
This option disables Pause Protection and Open Protection center on Right Click if you set it to 192.

Enable Share Access Control (1 = Enable/0 = Disable)
It enables Share Access Control. Network Shares ReadOnly Access and Network Shares NoAccess options will work only if this option is selected.

NOTE	Only if it is enabled the setting "**NetworkSharesReadOnlyAccess**" and "**NetworkSharesNoAccess**" will be referred

List of comma-separated servers and/or shares and/or wildcards which needs to be given NO ACCESS e.g. \\192.168.1.1\temp or \\192.168.1.1\temp*.doc or *.doc (Work only when "Enable Share Access Control" is set)
Selecting this option lets you add the List of comma-separated servers and/or shares and/or wildcards that should not be accessible.

List of comma-separated servers and/or shares and/or wildcards which needs to be given READ ONLY ACCESS e.g. \\192.168.1.1\temp or \\192.168.1.1\temp*.doc or *.doc (Work only when "Enable Share Access Control" is set)
Selecting this option lets you add the List of comma-separated servers and/or shares and/or wildcards that should be given only view access and not be editable.

Whitelist IP Address (Depends on IP Address Change Allowed) (E.G 192.168.1.* You can put comma-separated list)
Selecting this option lets you add the list of IP addresses separated by commas to whitelist them.

Block Access to Control Panel (1 = Enable/0 = Disable)
Selecting this option lets you block the user from accessing the control panel.

Enable logging of sharing activity from suspected malware system (WSmbFilt.log on client system) (1 = Enable/0 = Disable)
Enabling this option directs eScan to log any sharing activity performed by suspected malware system. By default, this feature is enabled.

Allow Uninstallers (1 = Enable/0 = Disable)
Selecting this option lets you enable/disable use of third party uninstallers.

Block Renaming of Hosts files (1 = Enable/0 = Disable)
Selecting this option lets you enable/disable block Hostname renaming.

Restricted Environment enabled (1 = Enable/0 = Disable)
Selecting this option lets you enable/disable restrict environment settings.

Block eternal blue (wannacry) exploits (1 = Enable/0 = Disable)
Selecting this option lets you block eternal blue (wannacry) exploits. By default, this option is enabled.

Enable Winsock Protection (Require Restart) (1 = Enable/0 = Disable)
This option lets you Enable/Disable protection at the Winsock Layer.

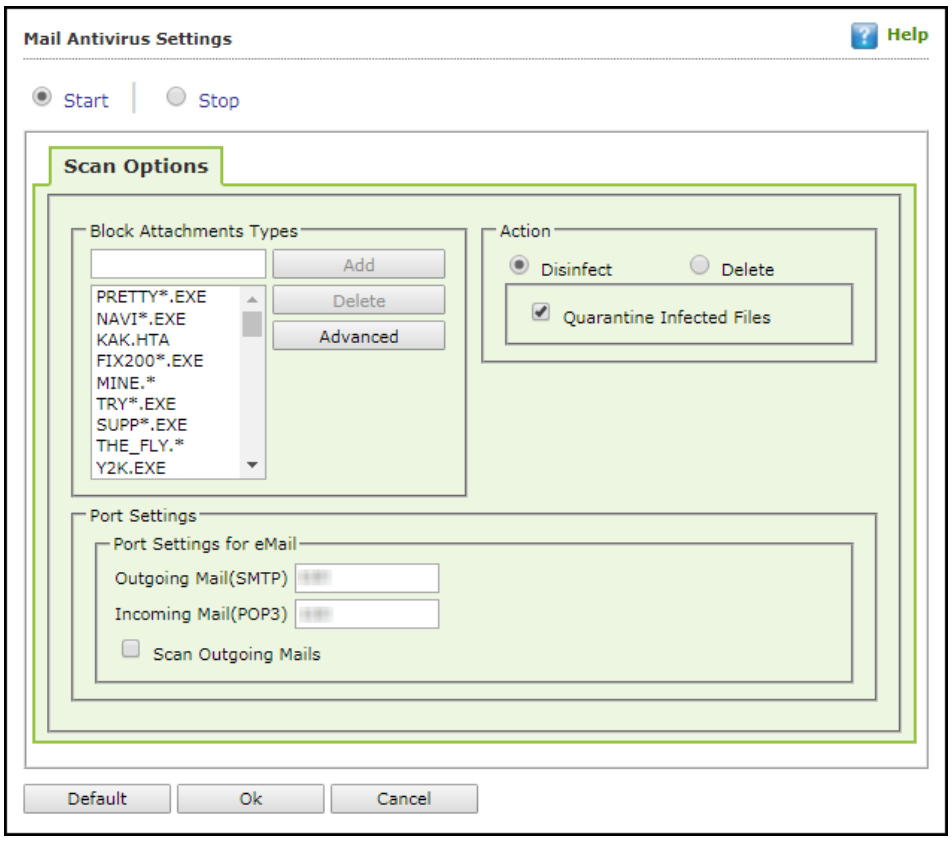
Block Registry Editor (1 = Enable/ 0 = Disable)
This option lets you Enable/Disable block Registry Editor.

Allow RDP (1=Enable/0=Disable)
This option lets you Enable/disable RDP.

Block Powershell
This option lets you enable/disable Powershell.

Mail Antivirus

Mail Anti-Virus is a part of the Protection feature of eScan. This module scans all incoming and outgoing emails for viruses, spyware, adware, and other malicious objects. It lets you send virus warnings to client computers on the Mail Anti-Virus activities. By default, Mail Anti-Virus scans only the incoming emails and attachments, but you can configure it to scan outgoing emails and attachments as well. Moreover, it lets you notify the sender or system administrator whenever you receive an infected email or attachment. This page provides you with options for configuring the module.



Scan Options

This tab lets you select the emails to be scanned and action that should be performed when a security threat is encountered during a scan operation. This tab lets you configure following settings:

Block Attachments Types

This section provides you with a predefined list of file types that are often used by virus writers to embed viruses. Any email attachment having an extension included in this list will be blocked or deleted by eScan at the gateway level. You can add file extensions to this list as per your requirements. As a best practice, you should avoid deleting the file extensions that are present in the **Block Attachments Types** list by default. You can also configure advanced settings required to scan emails for malicious code.

Action

This section lets you configure the actions to be performed on infected emails. These operations are as follows:

Disinfect [Default]
Select this option if you want Mail Anti-Virus to disinfect infected emails or attachments.
Delete
Select this option if you want Mail Anti-Virus to delete infected emails or attachments.

Quarantine Infected Files [Default]
Select this option if you want Mail Anti-Virus to quarantine infected emails or attachments. The default path for storing quarantined emails or attachments is –

C:\Program Files\eScan\QUARANT. However, you can specify a different path for storing quarantined files, if required.

Port Settings for email
You can also specify the ports for incoming and outgoing emails so that eScan can scan the emails sent or received through those ports.

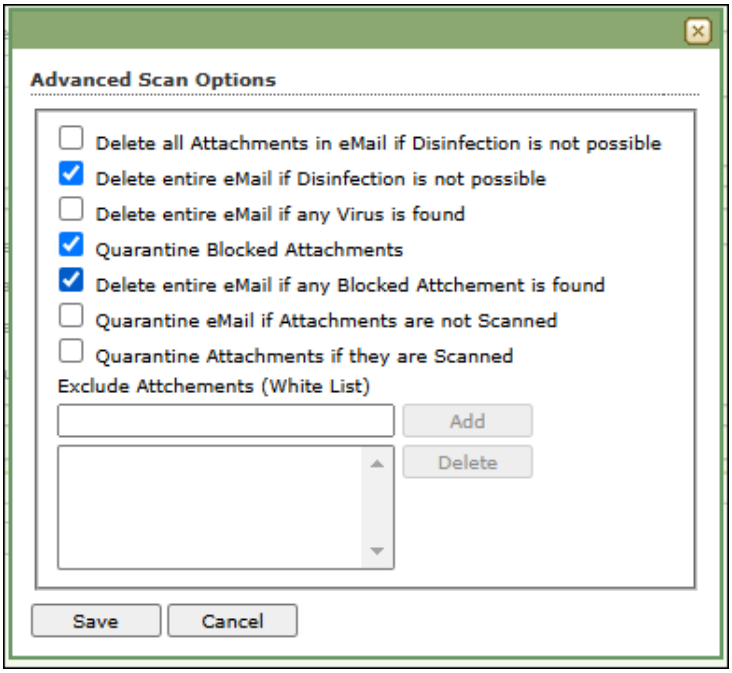
Outgoing Mail (SMTP) [Default: 25]
You need to specify a port number for SMTP.

Incoming Mail (POP3) [Default: 110]
You need to specify a port number for POP3.

Scan Outgoing Mails
Select this option if you want Mail Anti-Virus to scan outgoing emails as well.

Advanced

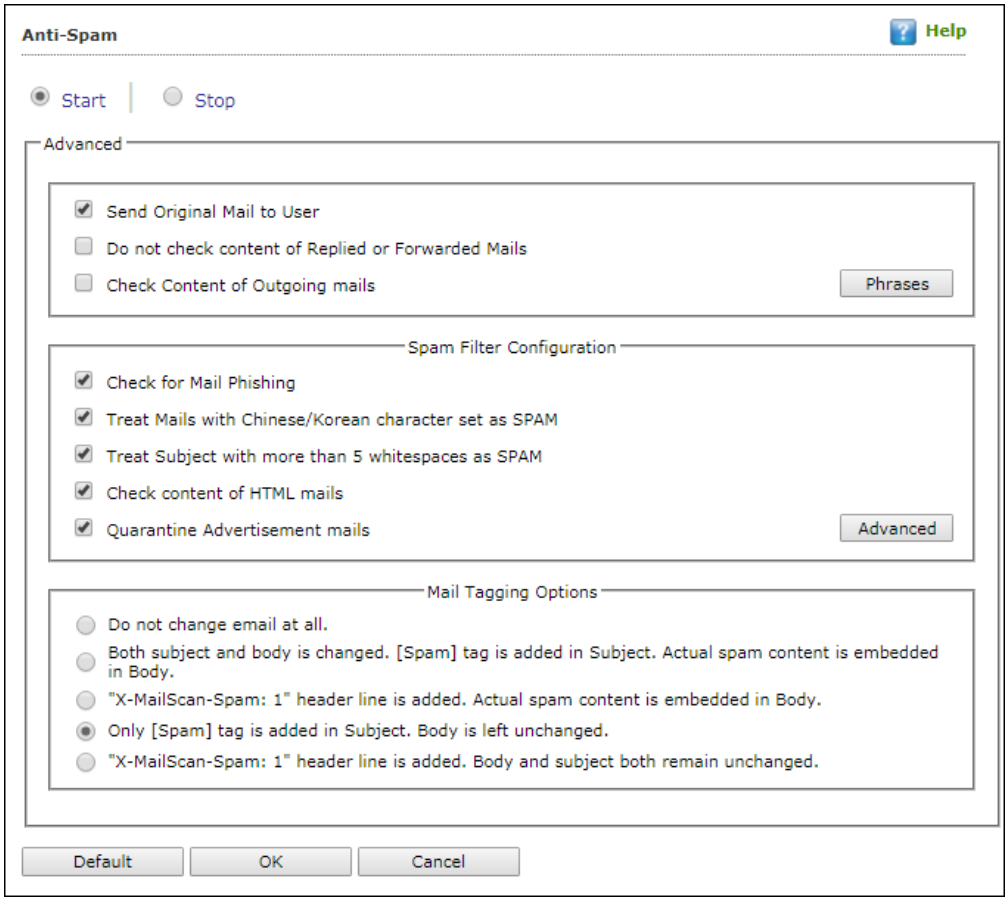
Clicking **Advanced** displays Advanced Scan Options dialog box. This dialog box lets you configure the following advanced scanning options:



Delete all Attachments in email if disinfection is not possible
Select this option to delete all the email attachments that cannot be cleaned.
Delete entire email if disinfection is not possible [Default]
Select this option to delete the entire email if any attachment cannot be cleaned.
Delete entire email if any virus is found
Select this option to delete the entire email if any virus is found in the email or the attachment is infected.
Quarantine blocked Attachments [Default]
Select this option to quarantine the attachment if it bears extension blocked by eScan.
Delete entire email if any blocked attachment is found [Default]
Select this option to delete an email if it contains an attachment with an extension type blocked by eScan.
Quarantine email if attachments are not scanned
Select this checkbox to quarantine an entire email if it contains an attachment not scanned by Mail Anti-Virus.
Quarantine Attachments if they are scanned
Select this checkbox if you want eScan to quarantine attachments that are scanned by Mail Anti-Virus.
Exclude Attachments (White List)
This list is empty by default. You can add file names and file extensions that should not be blocked by eScan. You can also configure eScan to allow specific files even though if the file type is blocked. For example, if you have listed *.PIF in the list of blocked attachments and you need to allow an attachment with the name ABC, you can add abcd.pif to the Exclude Attachments list. Add D.PIFing *.PIF files in this section will allow all *.PIF to be delivered. MicroWorld recommends you to add the entire file name like ABCD.PIF.

Anti-Spam

Anti-Spam module filters junk and spam emails and sends content warnings to specified recipients. Here you can configure the following settings:



Advanced

This section provides you with options for configuring the general email options, spam filter configuration, and tagging emails in Anti-Spam.

Send Original Mail to User [Default]

This checkbox is selected by default. eScan delivers spam mail to your inbox with a spam tag. When an email is tagged as SPAM, it is moved to this folder. Select this checkbox, if you want to send original email tagged as spam to the recipient as well.

Do not check content of Replied or Forwarded Mails

Select this checkbox, if you want to ensure that eScan does not check the contents of emails that you have either replied or forwarded to other recipients.

Check Content of Outgoing mails

Select this checkbox, if you want Anti-Spam to check outgoing emails for restricted content.

Phrases
Click **Phrases** to open the **Phrases to Check** dialog box. This dialog box lets you configure additional email related options. In addition, it lets you specify a list of words that the user can either allow or block.

User specified whitelist of words/phrases (Color Code: **GREEN**)
This option indicates the list of words or phrases that are present in the whitelist. A phrase added to the whitelist cannot be edited, enabled, or disabled.

User specified List of Blocked words/phrases: (Color Code: **RED**)
This option indicates the list of words or phrases that are defined in block list.

User specified words/phrases disabled: (Color Code: **GRAY**)
This option indicates the list of words or phrases that are defined to be excluded during scans. The options in the **Phrases to Check** dialog box are disabled by default.

Action List

- **Add Phrase:** Option to add phrase to quarantine or delete the mail.
- **Edit Phrase:** To modify existing phrase added in list.
- **Enable Phrase:** By default, it is enabled. After being disabled, you can use this option to enable it.
- **Disable Phrase:** Disable existing phrase added in list.
- **Whitelist:** This will allow email to deliver to inbox when phrase is found in the email.
- **Block list:** This will delete email when it contains the phrase.
- **Delete:** Delete the phrase added in list.

Spam Filter Configuration
This section provides you with options for configuring the spam filter. All options in this section are selected by default.

Check for Mail Phishing [Default]
Select this option if you want Anti-Spam to check for fraudulent emails and quarantine them.

Treat Mails with Chinese/Korean character set as SPAM [Default]
When this option is selected, emails are scanned for Chinese or Korean characters. This check is based on the research data conducted by MicroWorld's various spam email samples collected from around the globe. From these samples, it was observed that spammers often use Chinese or Korean characters in their emails.

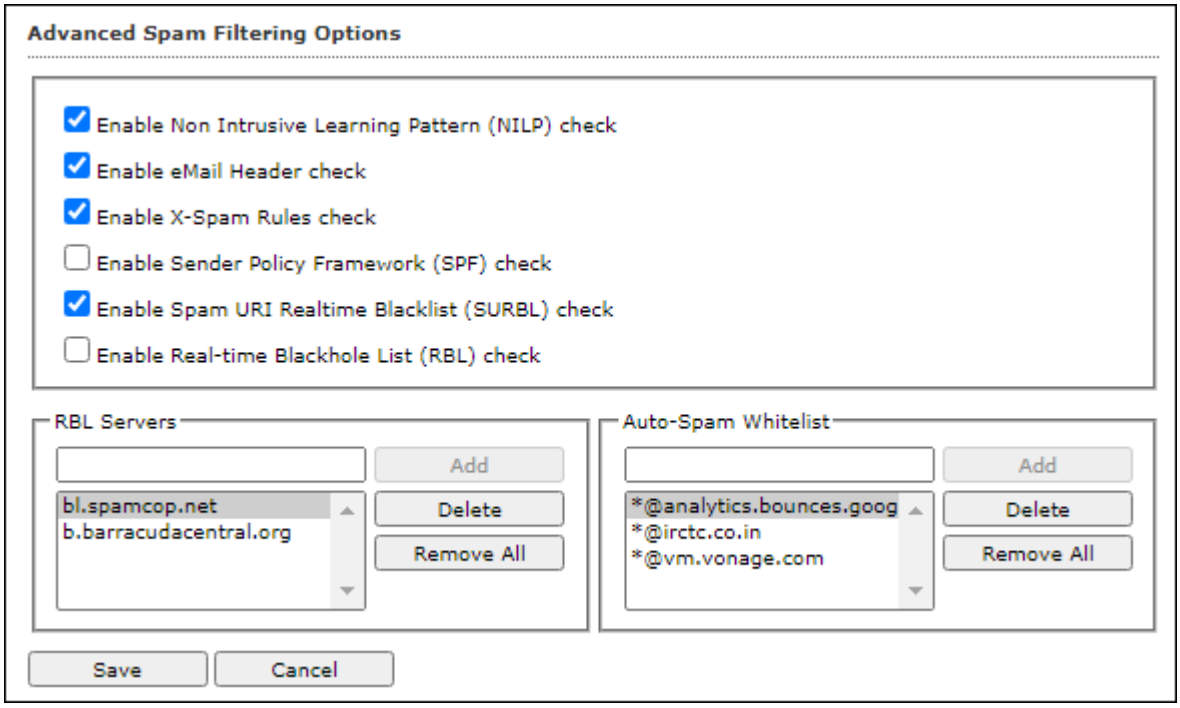
Treat Subject with more than 5 whitespaces as SPAM [Default]
In its research, MicroWorld found that spam emails usually contain more than five consecutive white spaces. When this option is selected, Anti-Spam checks the spacing between characters or words in the subject line of emails and treats emails with more than five whitespaces in their subject lines as spam emails.

Check content of HTML mails [Default]
Select this option if you want Anti-Spam to scan emails in HTML format along with text content.

Quarantine Advertisement mails [Default]
Select this option if you want Anti-Spam to check for advertisement types of emails and quarantine them.

Advanced

Clicking **Advanced** displays Advanced Spam Filtering Options dialog box. This dialog box lets you configure the following advanced options for controlling spam.



Enable Non- Intrusive Learning Pattern (NILP) check [Default]

Non-Learning Intrusive Pattern (NILP) is MicroWorld's revolutionary technology that uses Bayesian Filtering and works on the principles of Artificial Intelligence (AI) to analyze each email and prevents spam and phishing emails from reaching your inbox. It has self-learning capabilities and it updates itself by using regular research feeds from MicroWorld servers. It uses an adaptive mechanism to analyze each email and categorize it as spam or ham based on the behavioral pattern of the user.

Enable email Header check [Default]

Select this option if you want to check the validity of certain generic fields likes From, To, and CC in an email and marks it as spam if any of the headers are invalid.

Enable X Spam Rules check [Default]

X Spam Rules are rules that describe certain characteristics of an email. It checks whether the words in the content of emails are present in eScan's database. This database contains a list of words and phrases, each of which is assigned a particular score. The Spam Rules Check technology matches X Spam Rules with the mail header, body, and attachments of each email to generate a score. If the score crosses a threshold value, the mail is considered as spam. Anti-Spam refers to this database to identify emails and takes action on them.

Enable Sender Policy Framework (SPF) check

SPF is a world standard framework adopted by eScan to prevent hackers from forging sender addresses. It acts as a powerful mechanism for controlling phishing mails. Select this checkbox if you want Anti-Spam to check the SPF record of the sender's domain. However, your computer should be connected to the Internet for this option to work.

Enable Spam URI Real-time Blacklist (SURBL) check [Default]
Select this option if you want Anti-Spam to check the URLs in the message body of an email. If the URL is listed in the SURBL site, the email will be blocked from being downloaded. However, your computer should be connected to the Internet for this option to work.

Enable Real-time Blackhole List (RBL) check
Select this option if you want Anti-Spam to check the sender's IP address in the RBL sites. If the sender IP address is blacklisted in the RBL site, the email will be blocked from being downloaded. However, your computer should be connected to the Internet for this option to work.

RBL Servers
RBL is a DNS server that lists IP addresses of known spam senders. If the IP of the sender is found in any of the blacklisted categories, the connection is terminated. The RBL Servers list contains addresses of servers and sites that maintain information regarding spammers. You can add or delete address in the list as per your requirement.

Auto Spam Whitelist
Unlike normal RBLs, SURBL scans emails for names or URLs of spam websites in the message body. It terminates the connection if the IP of the sender is found in any of the blacklisted categories. This contains a list of valid email addresses that can bypass the above Spam filtering options. It thus allows emails from the whitelist to be downloaded to the recipient's inbox. You can add or delete address in the list as per your requirement.

Mail Tagging Options

Anti-Spam also includes some mail tagging options, which are described as follows:

Do not change email at all
Select this option if you want to prevent Anti-Spam from adding the [Spam] tag to emails that have been identified as spam.

Both subject and body are changed: [Spam] tag is added in Subject: Actual spam content is embedded in Body
This option lets you identify spam emails. When you select this option, Anti-Spam adds a [Spam] tag in the subject line and the body of the email that has been identified as spam.

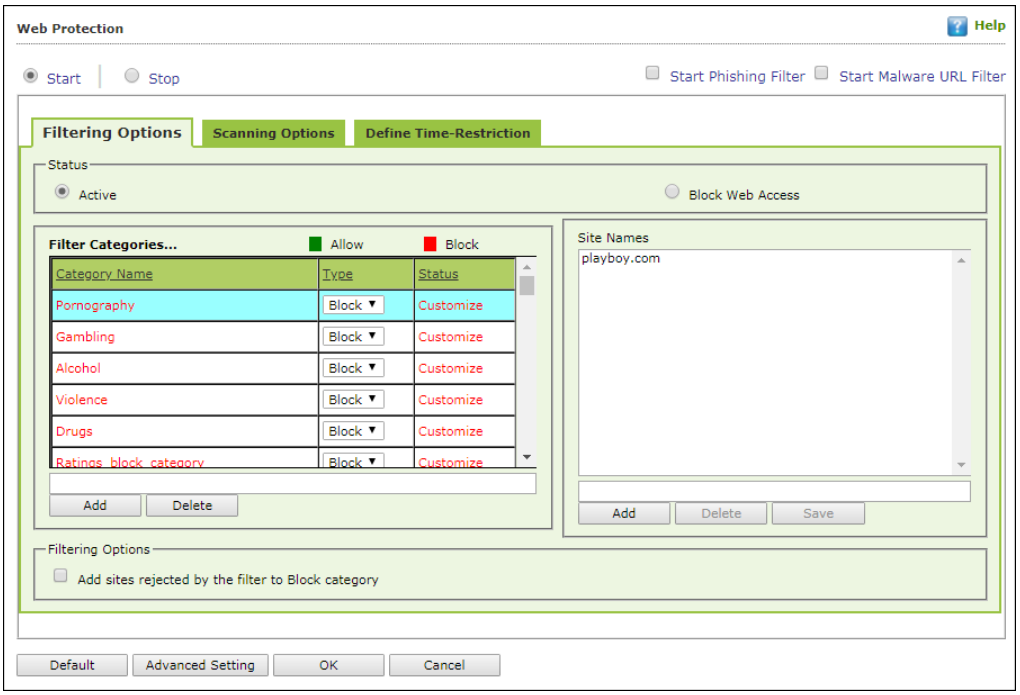
"X MailScan Spam: 1" header line is added: Actual spam content is embedded in Body
This option lets you add a [Spam] tag in the body of the email that has been identified as spam. In addition, it adds a line in the header line of the email.

Only [Spam] tag is added in Subject: Body is left unchanged [Default]
This option lets you add the [Spam] tag only in the subject of the email, which has been identified as spam.

"X MailScan Spam: 1" header line is added: Body and subject both remain unchanged
This option lets you add a header line to the email. However, it does not add any tag to the subject line or body of the email.

Web Protection

Web Protection module scans the website content for specific words or phrases. It lets you block websites containing pornographic or offensive content. Administrators can use this feature to prevent employees from accessing non-work related websites during preferred duration.



You can configure the following settings:

Filtering Options

This tab has predefined categories that help you control access to the Internet.

Status

This section lets you allow or block access to specific websites based on Filter Categories. You can set the status as **Active** or **Block** web access. Select the **Block Web Access** option if you want to block all the websites except the ones that have been listed in the **Filter Categories**. When you select this option, only **Filtering Options** and **Pop-up Filter** tabs are available.

Filter Categories

This section uses the following color codes for allowed and blocked websites.

Green

It represents an allowed websites category.

Red

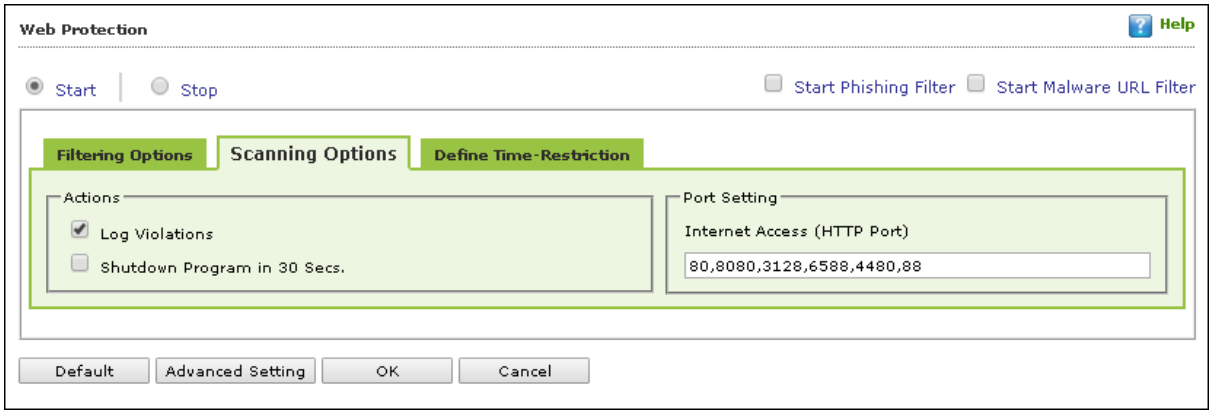
It represents a blocked websites category. The filter categories used in this section include categories like Pornography, Gambling, Chat, Alcohol, Violence, Drugs, Ratings_block_category, Websites Allowed, etc. You can also add or delete filter categories depending on your requirement.

Category Name
This section shows the **Words/Phrases** list. It lists the words or phrases present in the selected category. In addition, the section displays the **Site Names** list, which lists the websites belonging to the selected category. You can also add or delete filter categories depending on your requirement.

Filtering Options
This section includes the **Add sites rejected by the filter to Block category checkbox**. Select this option if you want eScan to add websites that are denied access to the Block category database automatically.

Scanning Options

This tab lets you enable log violations and shutdown program if it violates policies. It also lets you specify ports that need monitoring.



Actions
This section lets you select the actions that eScan should perform when it detects a security violation.

Log Violations [Default]
This checkbox is selected by default. Select this option if you want Web Protection to log all security violations for your future reference.

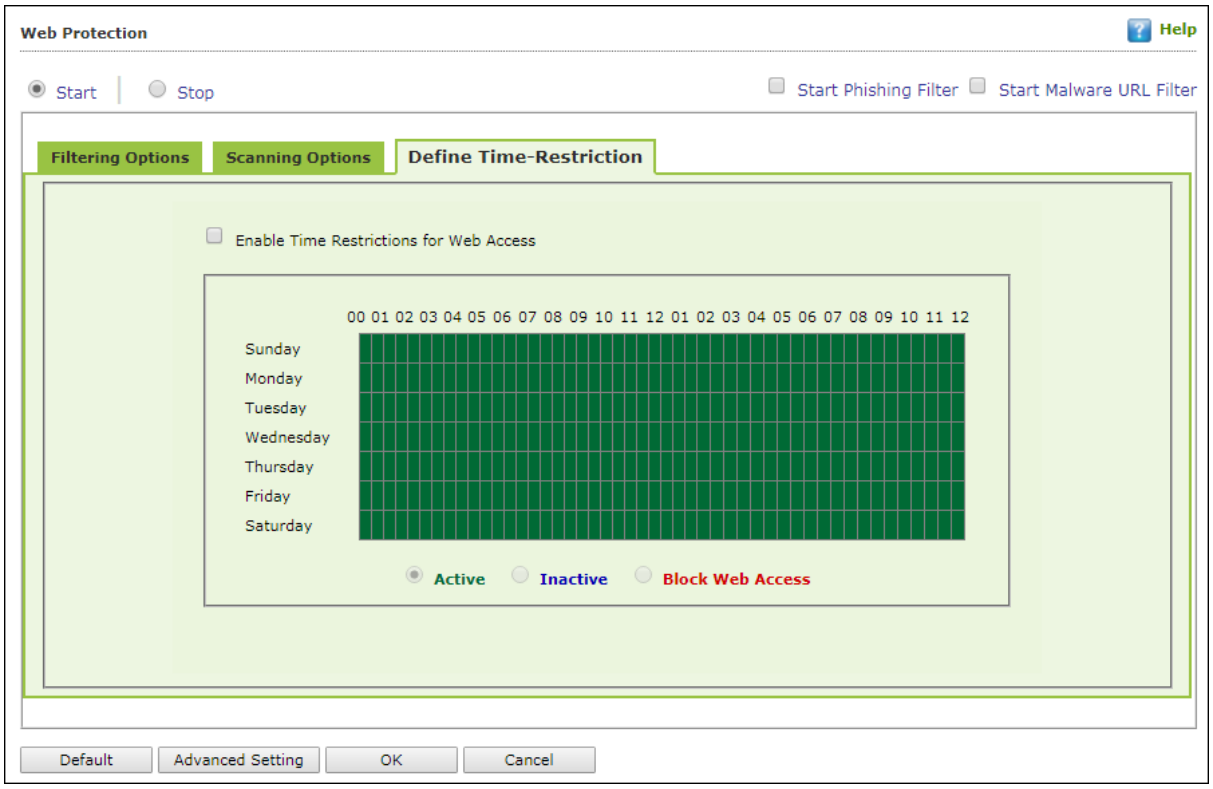
Shutdown Program in 30 Secs
Select this option if you want Web Protection to shut down the browser automatically in 30 seconds when any of the defined rules or policies is violated.

Port Setting
This section lets you specify the port numbers that eScan should monitor for suspicious traffic.

Internet Access (HTTP Port)
Web browsers commonly use the port numbers 80, 8080, 3128, 6588, 4480, and 88 for accessing the Internet. You can add port numbers to the **Internet Access (HTTP Port)** box to monitor the traffic on those ports.

Define Time Restriction

This section lets you define policies to restrict access to the Internet.



Enable Time Restrictions for Web Access

Select this option if you want to set restrictions on when a user can access the Internet. By default, all the fields appear dimmed. The fields are available only when you select this option.

The time restriction feature is a grid-based module. The grid is divided into columns based on the days of the week vertically and the time interval horizontally.

Active

Click **Active** and select the appropriate grid if you want to keep web access active on certain days for a specific interval.

Inactive

Select this option if you want to keep web access inactive on certain days for a specific interval.

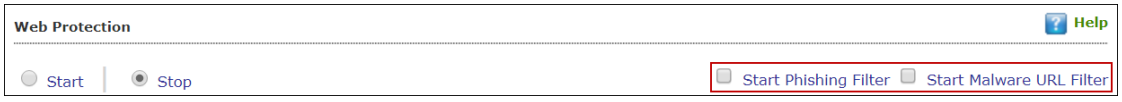
Block Web Access

Select this option if you want to block web access on certain days for a specific interval.

Phishing and Malware URL Filter

Under Web Protection eScan also provides options to enable Phishing and Malware filters which will detect and prevent any phishing attempts on the system and block all malware attacks.

To enable the filters, select **Start** and then select the respective checkboxes.

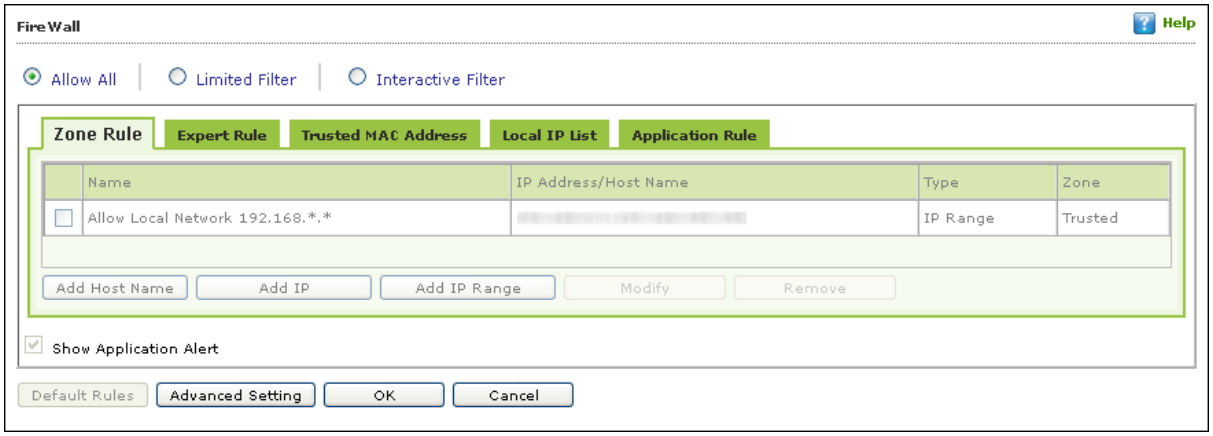


Advanced Setting

Ignore IP address from Web-scanning
Select this option to enter IP address form Web-Scanning.
Enable Unknown Browsers detection
Select this option to enable/disable unknown browser detection.
Enable allowing of WhiteListed Site during BlockTime
Select this option to enable/disable white listed site during block time.
Enable Online Web-Scanning Module
Select this option to enable/disable online web-scanning module.
Disable Web Warning Page
Select this option to enable/disable web warning page.
Enable HTTPS Popup
Select this option to enable/disable HTTPS Popup.
Show External Page for Web blocking (Page to be define under External Page)
Select this option to enable/disable external page for web blocking.
External Page Link for Web blocking (Depends on Show External Page)
Select this option to enter external page link for web blocking.
Force inclusion of Application into Layer scanning (MW Layer)
Select this option to enter Force inclusion of Application into Layer scanning.
Enable HTTP Popup (1 = Enable/0 = Disable)
Select this option to enable/disable HTTP pop-ups.
Ignore Reference of sub-link
Select this option to enable/disable Ignore Reference of sub-link.
Allow access to SubDomain for Whitelisted sites (Only HTTP Sites)
Select this option to enable/disable access to SubDomain for Whitelisted sites.
Allow access to SubDomain for Whitelisted sites (Only HTTPS Sites)
Select this option to enable/disable access to SubDomain for Whitelisted sites.
Enable logging of visited websites
Select this option to enable/disable logging of visited websites.
Block EXE download from HTTP Sites (1 = Enable/0 = Disable)
Select this option to enable/disable block download of .exe files from HTTP websites.
Block HTTP Traffic only on Web Browser
Select these options to enable/disable block HTTP Traffic on Web Browser.
Allow website list (Depends on "Block HTTP Traffic only on Web Browser")
Select this option to enter to block HTTP Traffic on Web Browser.
Block Microsoft EDGE Browser (1 = Enable/0 = Disable)
Select this option to enable/disable blocking Microsoft Edge browser.
Enable Web Protection using Filter driver (1 = Enable/0 = Disable)
Select this option to enable/disable web protection using filter driver.
Force Disable Web Protection using Filter driver (1 = Enable/0 = Disable)
Select this option to force enable/disable web protection using filter driver.
WFP Exclude IP List (1 = Enable/0 = Disable)
Select this option to enable/disable excluding IP list from Web Filter Protection.

Firewall

Firewall module is designed to monitor all incoming and outgoing network traffic and protect your computer from all types of network based attacks. eScan includes a set of predefined access control rules that you can remove or customize as per your requirements. These rules enforce a boundary between your computer and the network. Therefore, the Firewall feature first checks the rules, analyzes network packets, and filters them on the basis of the specified rules. When you connect to the Internet, you expose your computer to various security threats.



The Firewall feature of eScan protects your data when you:

- Connect to Internet Relay Chat (IRC) servers and join other people on the numerous channels on the IRC network.
- Use Telnet to connect to a server on the Internet and then execute the commands on the server.
- Use FTP to transfer files from a remote server to your computer.
- Use Network Basic Input Output System (NetBIOS) to communicate with other users on the LAN connected to the Internet.
- Use a computer that is a part of a Virtual Private Network (VPN).
- Use a computer to browse the Internet.
- Use a computer to send or receive email.

By default, the firewall operates in the **Allow All** mode. However, you can customize the firewall by using options like **Limited Filter** for filtering only incoming traffic and **Interactive Filter** to monitor incoming and outgoing traffic. The eScan Firewall also lets you specify different set of rules for allowing or blocking incoming or outgoing traffic. These rules include Zone Rules, Expert Rules, Trusted Media Access Control (MAC) Address, and Local IP list. This page provides you with options for configuring the module. You can configure the following settings to be deployed to the eScan client systems:

Allow All – Clicking **Allow All** disables the eScan Firewall i.e. all the incoming and outgoing network traffic will not be monitored/filtered.

Limited Filter – Clicking **Limited Filter** enables eScan Firewall in limited mode which will monitor all incoming traffic only and will be allowed or blocked as per the conditions or rules defined in the Firewall.

Interactive Filter – Clicking **Interactive Filter** enables eScan Firewall to monitor all the incoming and outgoing network traffic and will be allowed or blocked as per the conditions or rules defined in the Firewall.
Following tabs are available:

- Zone Rule
- Expert Rule
- Trusted MAC Address
- Local IP List
- Application Rule

Ignore Zone Rules & Local IP List – This option allows you to override the Zone Rule configuration that has whitelisted IP ranges. It also overrides the Local IP list that consists of trusted local IP addresses. By selecting this checkbox, all the IP addresses listed under Zone Rule and Local IP List will be monitored by Firewall as per selected filter type.

Zone Rule

This is a set of network access rules to make the decision of allowing/blocking of the access to the system. This will contain the source IP address or source Host name or IP range either to be allowed or blocked.

Buttons to configure a zone rule:
Add Host Name – This option lets you add a "host" in the zone rule. After clicking **Add Host Name**, enter the HOST name of the system, select the zone (Trusted/Blocked) and enter a name for the zone rule. Click **OK** to create the zone rule.

Add IP – This option lets you add an IP address of a system to be added in the zone rule. After clicking **Add IP**, enter the IP address of the system, select the zone (Trusted/Blocked) and enter a name for the zone rule. Click **OK** to create the Zone Rule.

Add IP Range – This option lets you add an IP range to be added in the zone rule. After clicking **Add IP Range**, add the IP Range (i.e. a range of IP that the zone rules should be applied), select the zone (Trusted/Blocked) and enter a name for the zone rule. Click **OK** to create the zone rule.

Modify – To modify/change any listed zone rule (s), select the zone rule to be modified and then click **Modify**.

Remove - To remove any listed zone rule (s), select the zone rule and then click **Remove**.

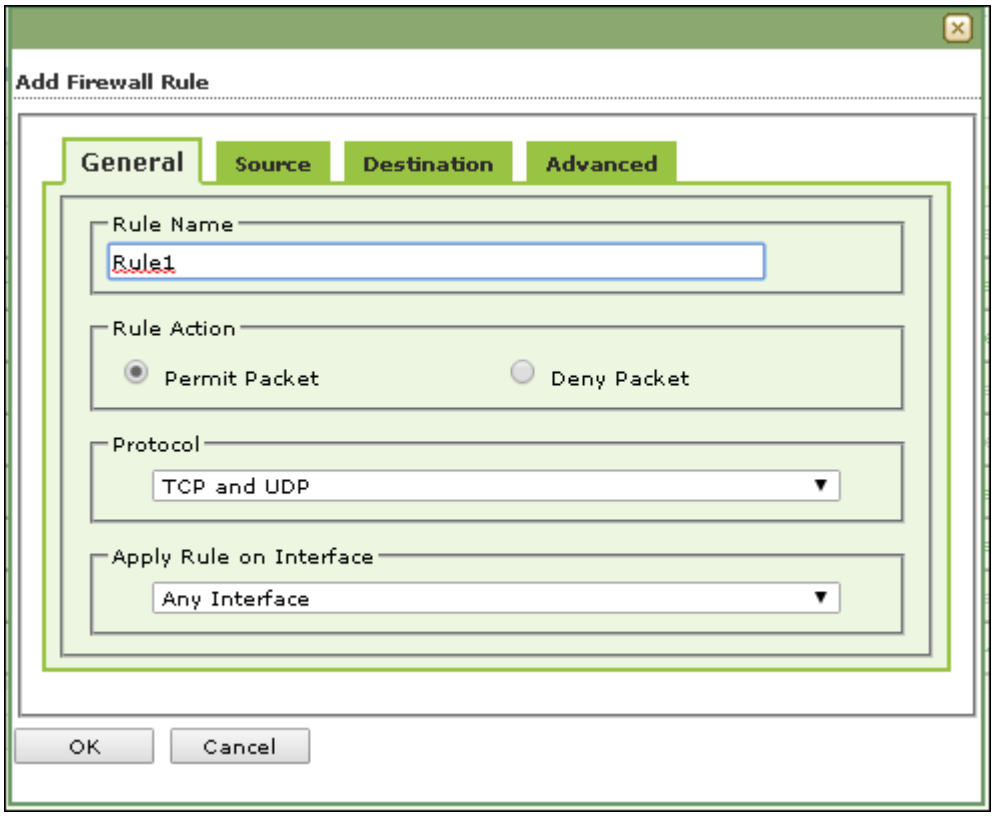
Expert Rule

This tab lets you specify advanced rules and settings for the eScan firewall. You can configure expert rules on the basis of the various rules, protocols, source IP address and port, destination IP address and port, and ICMP types. You can create new expert rules.
However, configure these rules only if you are familiar with firewalls and networking protocols.

- Source IP Address/Host Name
- Source Port Number
- Destination IP Address/Host Name
- Destination Port Number

Buttons to configure an Expert Rule:

1. **Add** – Click **Add** to create a new Expert Rule. In the Add Firewall Rule Window:



General tab

In this section, specify the Rule settings:

Rule Name – Provide a name to the Rule.

Rule Action – Action to be taken, whether to Permit Packet or Deny Packet.

Protocol – Select the network protocol (e.g. TCP, UDP, ARP) on which the Rule will be applied.

Apply rule on Interface – Select the Network Interface on which the Rule will be applied.

Source tab

In this section, specify/select the location from where the outgoing network traffic originates.

Source IP Address

My Computer – The rule will be applied for the outgoing traffic originating from your computer.

Host Name – The rule will be applied for the outgoing traffic originating from the computer as per the host name specified.

Single IP Address – The rule will be applied for the outgoing traffic originating from the computer as per the IP address specified.

Whole IP Range – To enable the rule on a group of computers in series, you can specify a range of IP address. The rule will be applied for the outgoing traffic from the computer(s) which is within the defined IP range.

Any IP Address – When this option is selected, the rule will be applied for the traffic originating from ANY IP address.

My Network – The rule will be applied for the outgoing traffic to the networked computer(s).

Source Port

Any – When this option is selected, the rule gets applied for outgoing traffic originating from any port.

Single Port – When this option is selected, the rule gets applied for the outgoing traffic originating from the specified/defined port.

Port Range – To enable the rule on a group of ports in series, you can specify a range of ports. The rule will be applied for the outgoing traffic originating from the port which is within the defined range of ports.

Port List – A list of port can be specified. The rule will be applied for the outgoing traffic originating from the ports as per specified in the list.

NOTE	The rule will be applied when the selected Source IP Address and Source Port matches together.

Destination tab

In this section, specify/select the location of the computer where the incoming network traffic is destined.

Destination IP Address

My Computer – The rule will be applied for the incoming traffic to your computer.

Host Name – The rule will be applied for the incoming traffic to the computer as per the host name specified.

Single IP Address – The rule will be applied for the incoming traffic to the computer as per the IP address specified.

Whole IP Range – To apply the rule on a group of computers in series, you can specify a range of IP address. The rule will be applied for the incoming traffic to the computer(s) which are within the defined IP range.

Any IP Address – When this option is selected, the rule will be applied for the incoming traffic to ANY IP Addresses.

My Network – The rule will be applied for the incoming traffic to the networked computer(s).

Destination Port

Any – After selecting this option, the rule will be applied for the incoming traffic to ANY port.

Single Port – After selecting this option, the rule will be applied for the incoming traffic to the specified/defined port.

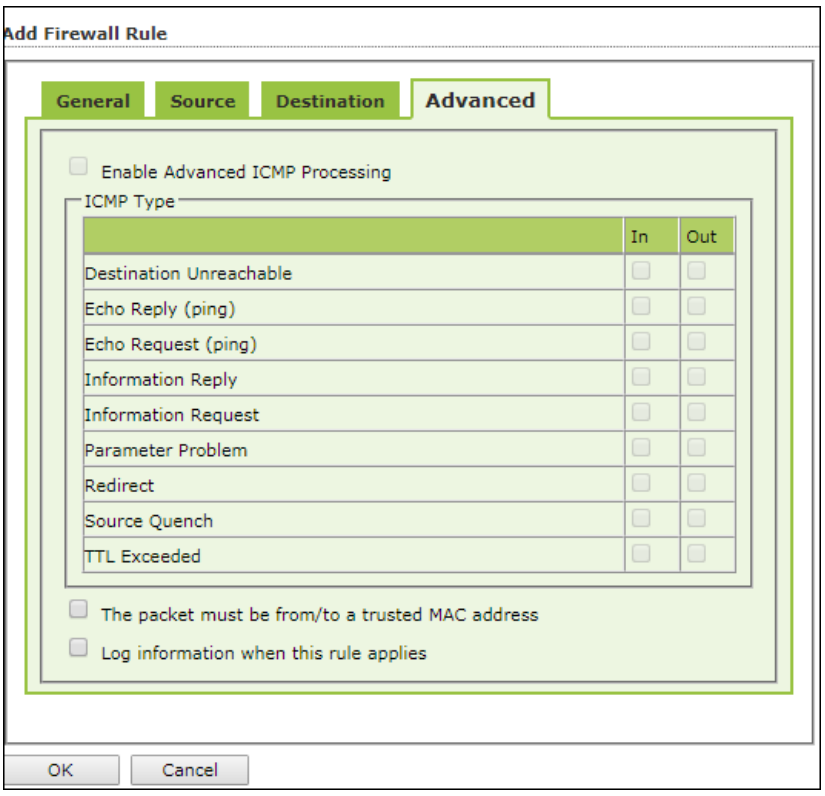
Port Range – To enable the rule on a group of ports in series, you can specify a range of ports. The rule will be applied for the incoming traffic to the port which is within the defined range of ports.

Port List – A list of port can be specified/added. The rule will be applied for incoming traffic originating from the ports as per specified in the list.

NOTE	The rule will be applied when the selected Destination IP Address and Destination Port matches together.

Advanced tab

This tab contains advance setting for Expert Rule.



Enable Advanced ICMP Processing - This is activated when the ICMP protocol is selected in the General tab.

The packet must be from/to a trusted MAC address – When this option is selected, the rule will only be applied on the MAC address defined/listed in the Trusted MAC Address tab.

Log information when this rule applies – This will enable to log information of the Rule when it is applied.

Following are additional buttons the Expert Rule tab provides:

Modify – Clicking **Modify** lets you modify any Expert Rule.

Remove – Clicking **Remove** lets you delete a rule from the Expert Rule.

Shift Up and Shift Down – The UP and DOWN arrow button will enable to move the rules up or down as required and will take precedence over the rule listed below it.

Enable / Disable– These buttons lets you enable or disable a particular selected rule from the list.

Trusted MAC Address

This section contains the information of the MAC address of the system. A MAC address is a hardware address that uniquely identifies each node of a network. The Trusted MAC address list will be checked along with the Expert Rule only when "The packet must be from/to a trusted MAC address" option is checked and the action will be as per specified in the rule. (Refer to the Advance Tab of the Expert Rule).

Buttons (to configure the Trusted MAC Address)
Add – To add a MAC address click on this button. Enter the MAC address to be added in the list for e.g. 00-13-

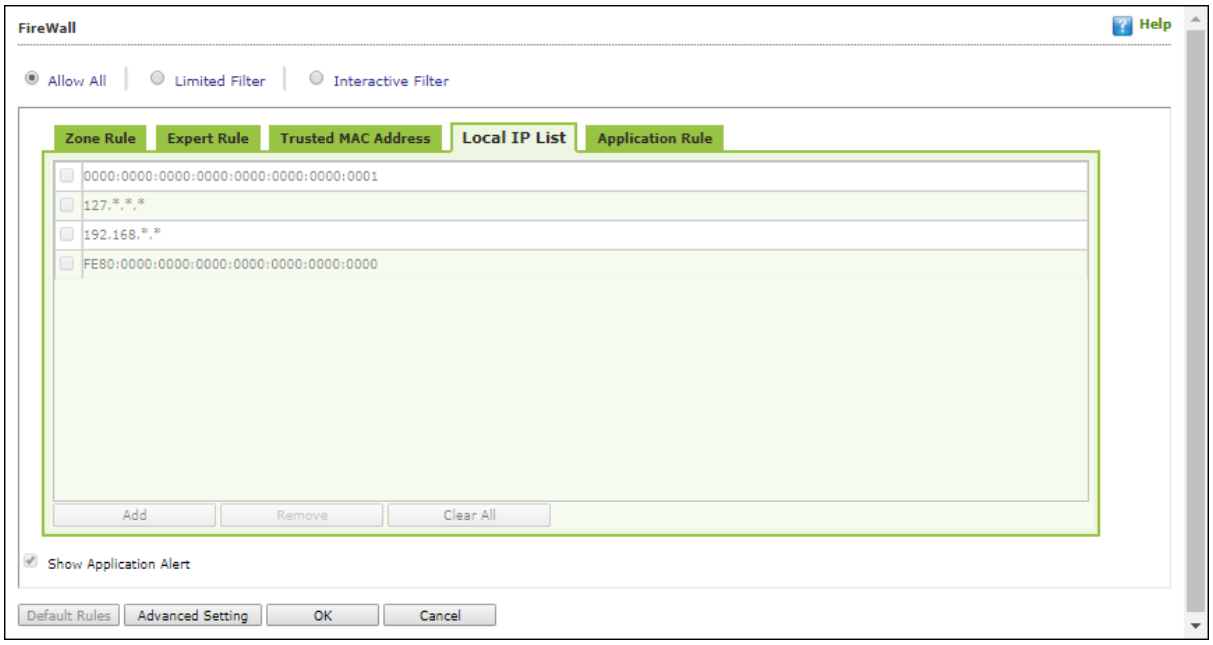
Edit – To modify/change the MAC Address, click **Edit**.

Remove – To delete the MAC Address, click **Remove**.

Clear All – To delete the entire listed MAC Address, click **Clear All**.

Local IP List

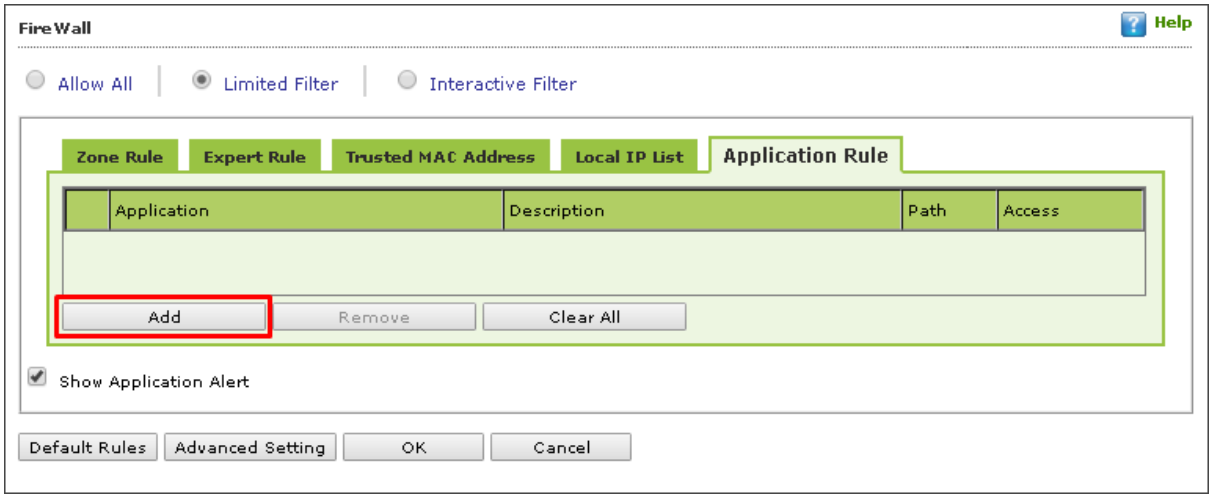
This section contains a list of Local IP addresses.



Add – To add a local IP address, click **Add**.
Remove – To remove a local IP address, click **Remove**.
Clear All – To clear all local IP addresses, click **Clear All**.
Default List – To load the default list of IP addresses, click **Default List**.

Application Rule

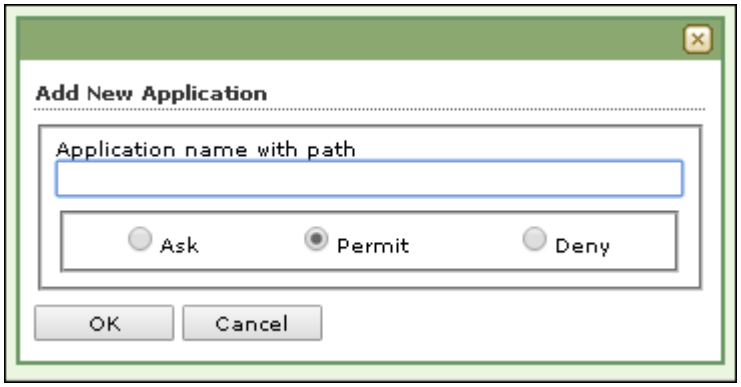
In this section you can define the permissions for different application. The application can be set to Ask, Permit or Deny mode.



Defining permission for an application

To define permission for an application:

1. Click **Add**.
2. Add New Application window appears.



3. Enter the application name with path and select permission.
4. Click **OK**.
   The permission for the application will be defined.

Removing permission of an application

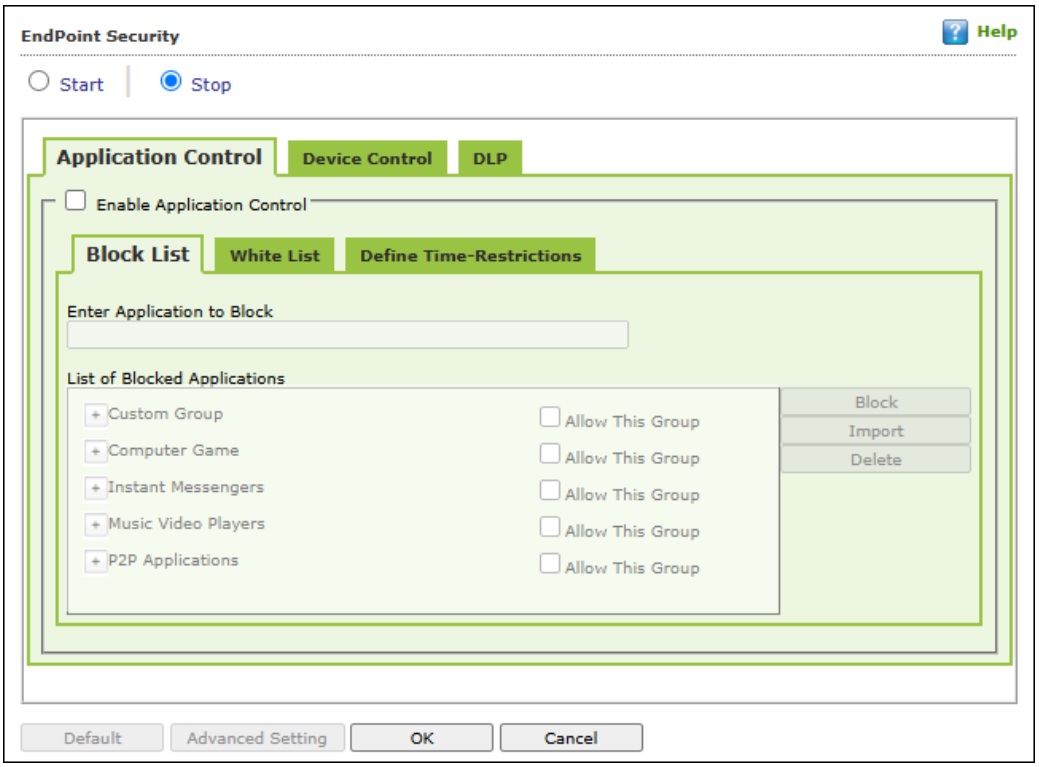
Select an application and then click **Remove**. The application will no longer have the permission.

Other Buttons:

- **Clear All** - This option will clear/delete all the information stored by the Firewall cache.
- **Show Application Alert** – Selecting this option will display an eScan Firewall Alert displaying the blocking of any application as defined in the Application Rule.
- **Default Rules** - This button will load/reset the rules to the Default settings present during the installation of eScan. This will remove all the settings defined by user.
- **Advanced Settings**: This button allows you to configure below mentioned advanced settings:
  - **Disable Trojan Rule:** It allows you to disable the blocking of programs that are either Trojan malware or follow Trojan rule.
  - **Block Portscan:** It allows you to block the scanning of network ports.

Endpoint Security

Endpoint Security module protects your computer or Computers from data thefts and security threats through USB or FireWire® based portable devices. It comes with Application Control feature that lets you block unwanted applications from running on your computer. In addition, this feature provides you with a comprehensive reporting feature that lets you determine which applications and portable devices are allowed or blocked by eScan.



This page provides you with information regarding the status of the module and options for configuring it.

- **Start/Stop:** It lets you enable or disable Endpoint Security module. Click the appropriate option.

There are two tabs – Application Control, Device Control, and DLP which are as follows:

Application Control

This tab lets you control the execution of programs on the computer. All the controls on this tab are disabled by default. You can configure the following settings:

Enable Application Control
Select this option if you want to enable the Application Control feature of the Endpoint Security module.

Block List

Enter Application to Block: It indicates the name of the application you want to block from execution. Enter the full name of the application to be blocked.

List of Blocked Applications
This list contains blocked executables of applications that are predefined by MicroWorld. Each of the applications listed in the predefined categories are blocked by default. In addition, you can also add executables that you need to block only to the Custom Group category. If you want, you can unblock the predefined application by clicking the **Unblock** link. The predefined categories include computer games, instant messengers, music & video players, and P2P applications. The **Allow This Group** checkbox in front of each group allows that entire group.

White List

Enable Whitelisting
Select this checkbox to enable the whitelisting feature of the Endpoint Security module.

Enter Application to whitelist
Enter the name of the application to be whitelisted.

White Listed Applications
This list contains whitelisted applications that are predefined by MicroWorld. Each of the applications listed in the predefined categories are allowed by default. If you want to block the predefined applications, select the **Block** option.

Define Time Restrictions

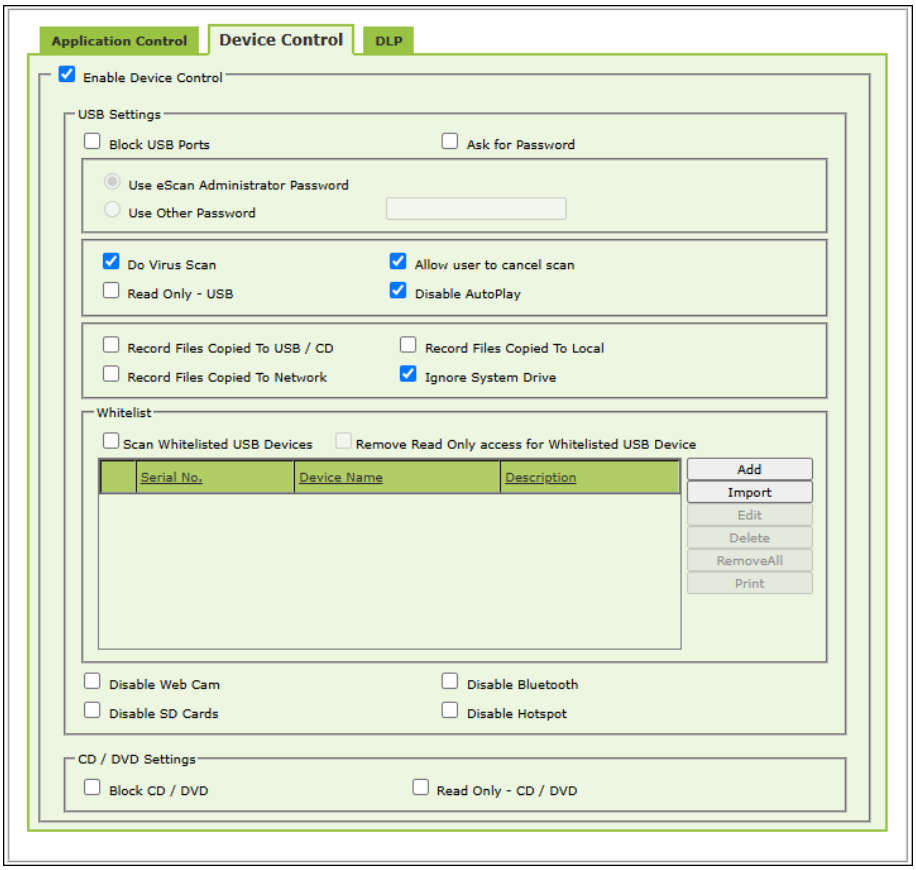
This option lets you enable/disable application control feature. This feature lets you define time restriction when you want to allow or block access to the applications based on specific days and between pre-defined hours during a day.

For example, the administrator can block computer games, instant messengers, for the whole day but allow during lunch hours without violating the Application Control Policies.

Datewise Restrictions
This feature lets you define datewise restrictions when you want to allow or block access to the applications based on specific dates and between pre-defined hours during that date.

Device Control

The Endpoint Security module protects your computer from unauthorized portable storage devices prompting you for the password whenever you plug in such devices. The devices are also scanned immediately when connected to prevent any infected files running and infecting the computer.



You can configure the following settings:

Enable Device Control [Default]
Select this option if you want to monitor all the USB storages devices connected to your endpoint. This will enable all the options in this tab.

USB Settings

This section lets you customize the settings for controlling access to USB storage devices.

Block USB Ports
Select this option if you want to block all the USB storage devices from sharing data with endpoints.

Ask for Password
Select this option, if you want eScan to prompt for a password whenever a USB storage device is connected to the computer. You have to enter the correct password to access USB storage device. It is recommended that you always keep this checkbox selected.

- **Use eScan Administrator**: This option is available only when you select the **Ask for Password** checkbox. Click this option if you want to assign eScan Administrator password for accessing USB storage device.
- **Use Other Password**: This option is available only when you select the **Ask for Password** checkbox. Click this option if you want assign a unique password for accessing USB storage device.

Do Virus Scan [Default]
When you select this option, the Endpoint Security module runs a virus scan if the USB storage device is connected. It is recommended that you always keep this checkbox selected.

Allow user to cancel scan
Select this option to allow the user to cancel the scanning process of the USB device.

Read Only – USB
Select this option if you want to allow access of the USB device in read-only mode.

Disable AutoPlay [Default]
When you select this option, eScan disables the automatic execution of any program stored on a USB storage device when you connect the device.

Record Files Copied To USB
Select this option if you want eScan to create a record of the files copied from the system to USB drive.

Record Files Copied To Network
Select this option if you want eScan to create a record of the files copied from managed computers to the network drive connected to it.

Record Files Copied To Local
Select this option if you want eScan to create a record of the files copied from the one drive to another drive of the system. Please note that if you have selected "Ignore System Drive" along with this option no record will be captured if the files are copied from system drive (the drive in which OS is installed) to another drive.

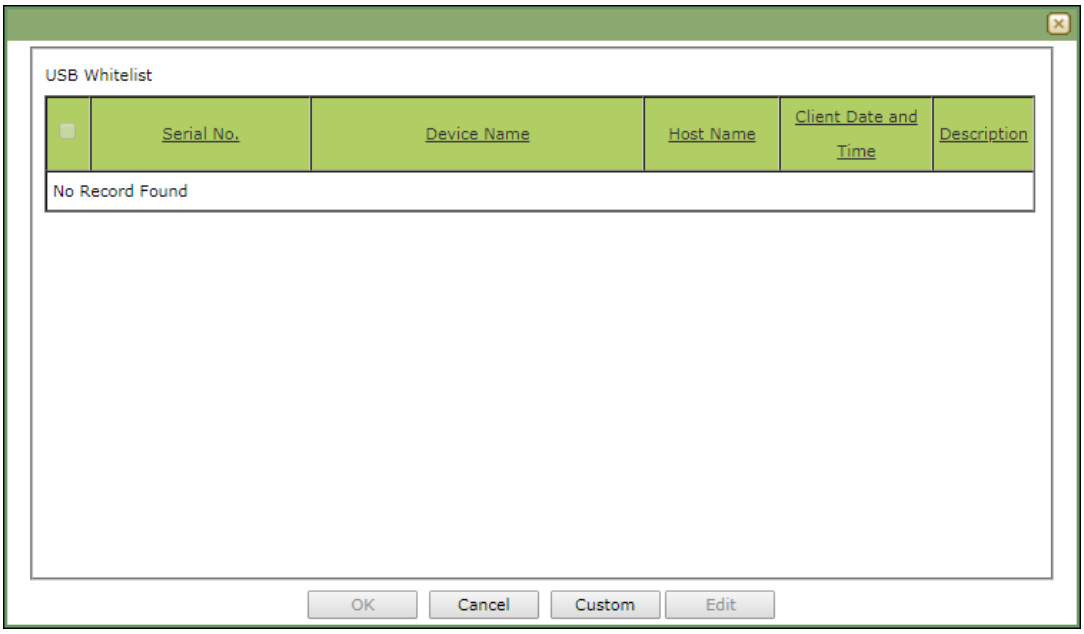
Ignore System Drive
Select this option in case of you do not want eScan to record files that are copied from system drive of managed computers to either network drive or any local drive.

Whitelist
eScan provides a greater level of endpoint security by prompting you for a password whenever you connect a USB drive. To disable password protection for a specific device, you can add it along with its serial number to the whitelist. The next time you connect the device it will not ask for a password but will directly display the files or folders stored on the device. This section displays the serial number and device name of each of the whitelisted devices in a list. You can add devices to this list by clicking **Add**. The Whitelist section displays the following button:

Scan Whitelisted USB Devices
By default, eScan does not scan whitelisted USB devices. Select this option, if you want eScan to scan USB devices that have been added to the whitelist.

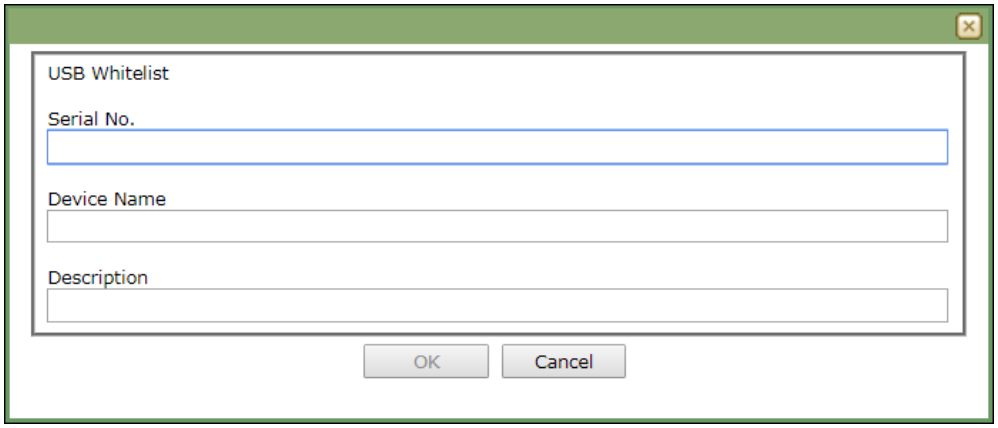
Remove Read Only access for Whitelisted USB Device
Select this option to remove the read-only access for the whitelisted USB Device.

Add
Click **Add** to whitelist USB devices.
USB Whitelist window appears.



To whitelist a USB device, its details are required. If a USB device is connected to any eScan installed endpoint, the USB details are sent to the server. The administrator will have to manually whitelist the USB device.

To manually add a USB device in USB Whitelist without connecting to an endpoint, click **Custom**.



Enter the USB details and then click **OK**. The USB device will be added and whitelisted.

Import
To whitelist USB devices from a CSV file, click **Import**.
Click **Choose File** to import the file with the list.

The list should be in following format:
Serial No 1, Device Name 1, Device Description 1 (Optional)

Serial No 2, Device Name 2

E.g. SDFSD677GFQW8N6CN8CBN7CXVB, USB Drive 2.5, Whitelist by xyzDFRGHHRS54456HGDF347OMCNAK, Flash Drive 2.2

Disable Web Cam: Select this option to disable Webcams.

Disable SD Cards: Select this option to disable SD cards.

Disable Bluetooth: Select this option to disable Bluetooth.

Disable Hotspot: Select this option to disable Hotspot.

CD / DVD Settings

Block CD / DVD: Select this option to block all CD/DVD access.

Read Only - CD / DVD: Select this option to allow read-only access for CD/DVD.

NOTE	Click **Default** to apply default settings done during eScan installation. It loads and resets the values to the default settings.

DLP

The DLP tab lets you control attachment flow within your organization. You can block/allow all attachments the user tries to send through specific processes that can be defined. You can exclude specific domains/subdomains that you trust, from being blocked even if they are sent though the blocked processes mentioned before.

Attachment Control

The Attachment Control tab lets you control attachment flow within your organization.

Attachment Allowed [Default]
Select this option if you want attachments to be allowed through all processes except a user specified set of processes.

Attachment Blocked
Select this option if you want attachments to be blocked through all processes except a user specified set of processes.

Enter Process Name
Enter the name of the processes that should be excluded from the above selection. Enter process name and then click **Add**. To delete the added process, select particular process in Blacklisted Process column and then click **Delete**.

Blacklisted Process
This will display a list of process you excluded when you selected the **Attachment Allowed** option**.** eScan will block all attachments through this process.

Whitelisted Process
This will display a list of process you excluded when you selected the **Attachment Blocked** option. eScan will allow all attachments through this process.

Ignore Whitelisted Sites only for Blacklisted process [Default]
Select this checkbox to ignore the whitelisted sites for process mentioned in Blacklist.

Enter Site Name
Enter the name of the websites through which attachments should be allowed irrespective of the above settings. To add site, enter site name and then click **Add**. To delete the added whitelisted site, select particular site in Whitelisted sites section and then click **Delete**.

Whitelisted Sites

The websites added above to be white listed are displayed in this list.

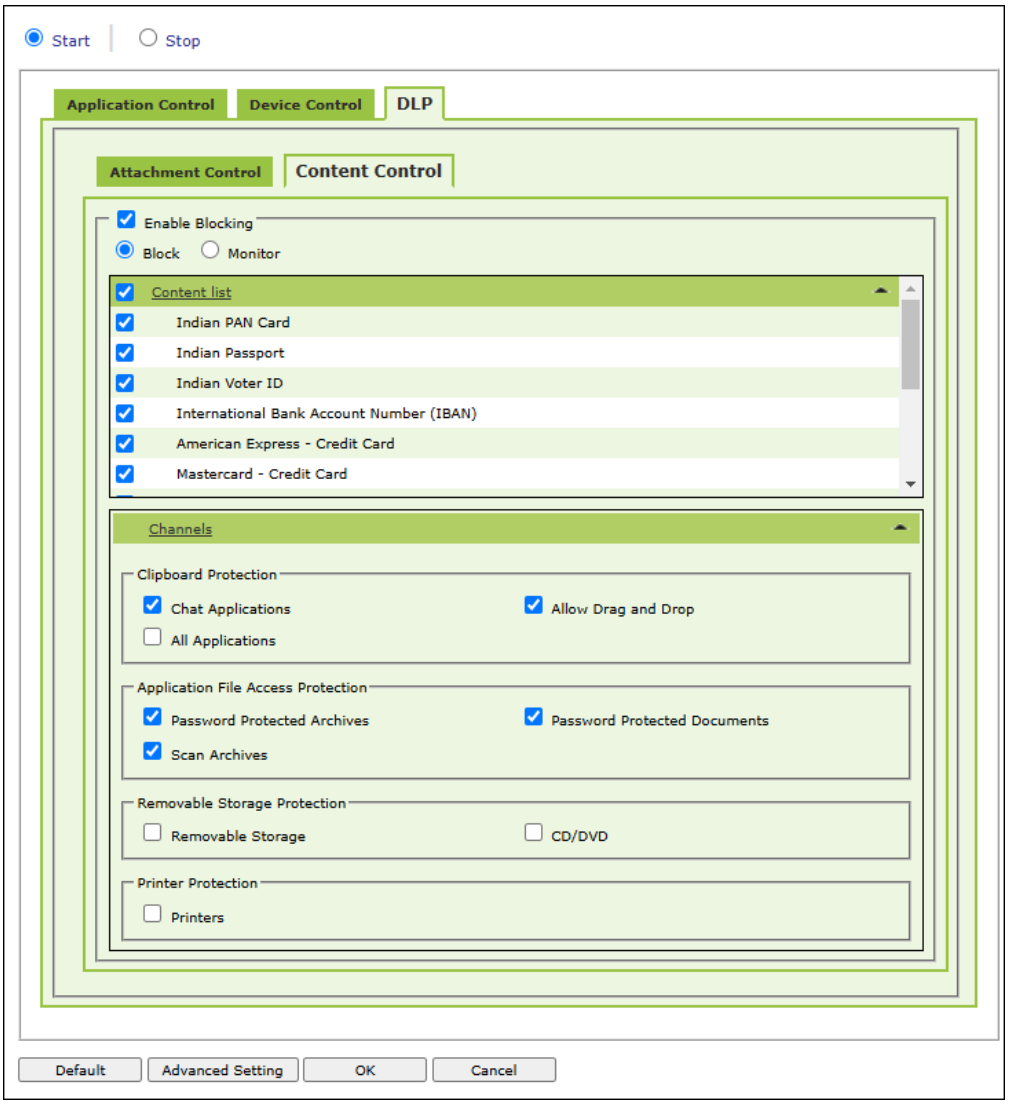
Attachment / Email report

Report for Attachment Allowed
This will list all the attachment allowed along with Application used to send attachment. E.g. Chrome, Firefox, Outlook, Skype, Yahoo messenger, etc.

Report for all email (Including Attachment)
This will list all the email attachment uploaded along with Application used and subject of the email.

Content Control

This tab enables the administrator to monitor & control the type of information which can be sent outside of the endpoints.



Enable Blocking
Select this option if you want to block all types of content, such as identity cards, personal details connected to your endpoint. This will enable all the options on this tab.

Block:
Monitor:

Content List
Select this option to block sensitive information from all the listed documents like Credit/Debit Card, Passport, Pan Card, and Driving License.

Channels
You can configure all types of channel, where you can transfer the content through this.

Clipboard Protection

- **Chat Applications [Default]:** Select this option to deny all chat applications from sharing the data.
- **Allow Drag and Drop [Default]:** Select this option to allow the Drag and Drop function of sensitive content.
- **All Applications:** Select this option to deny all the applications from sharing the data.

Application File Access Protection

- **Password Protected Archives [Default]:** Select this option to block all password protected archives and from sharing it.
- **Password Protected Document [Default]:** Select this option to block all password protected document and from sharing it.
- **Scan Archives [Default]:** Select this option to scan all the archives files.

Removable Storage Protection

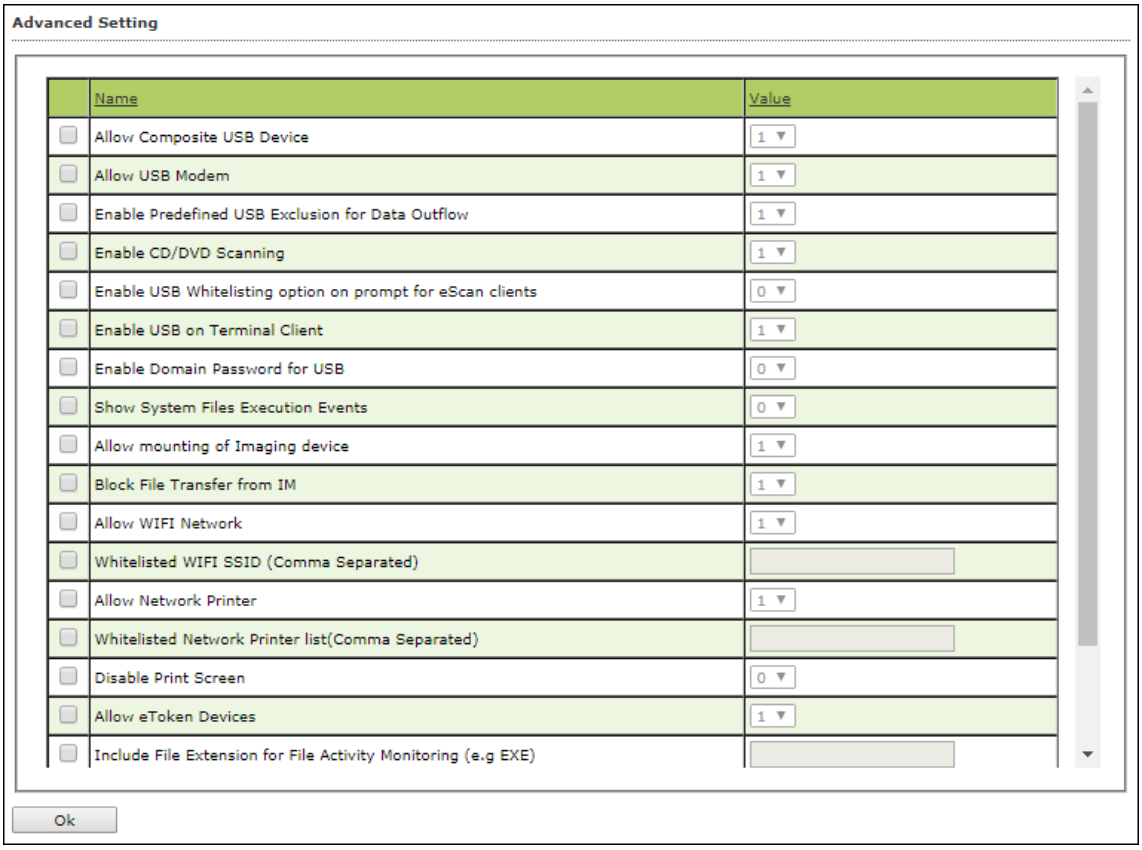
- **Removable Storage:** select this option to deny all removable storage attached to the computer from accessing the personal information.
- **CD/DVD:** Select this option to deny all CD/DVD access to confidential data.

Printer Protection

- **Printers:** Select this option to deny the use of networked printers to print the sensitive data.

Advanced Settings

Clicking **Advanced** displays Advanced Settings.



Allow Composite USB Device (1 = Enable/0 = Disable)
Select this option to allow/block use of composite USB devices.

Allow USB Modem (1 = Enable/0 = Disable)
Select this option to allow/block use of USB modem.

Enable Predefined USB Exclusion for Data Outflow (1 = Enable/0 = Disable)
Select this option to enable/disable use of predefined USB.

Enable CD/DVD Scanning (1 = Enable/0 = Disable)
Select this option enable/disable scanning of CD/DVD.

Enable USB Whitelisting option on prompt for eScan clients (1 = Enable/0 = Disable)
Select this option to enable/disable USB Whitelisting option on prompt for eScan clients.

Enable USB on Terminal Client (1 = Enable/0 = Disable)
Select this option to enable/disable USB on terminal client.

Enable Domain Password for USB (1 = Enable/0 = Disable)
Select this option to enable/disable domain password for USB.

Show System Files Execution Events (1 = Enable/0 = Disable)
Select this option allow/block system files execution events.

Allow mounting of Imaging device (1 = Enable/0 = Disable)
Select this option to allow/block mounting of imaging devices.

Block File Transfer from IM (1 = Enable/0 = Disable)
Select this option to allow/block file transfer from Instant Messengers.

Allow Wi-Fi Network (1 = Enable/0 = Disable)
Select this option to allow/block use of Wi-Fi networks.

Whitelisted WIFI SSID (Comma Separated)
Select this option to whitelist WIFI SSID. Enter the WIFI SSID in comma separated format.

Allow Network Printer (1 = Enable/0 = Disable)
Select this option to allow/block use of network printers.

Whitelisted Network Printer list (Comma Separated)
Select this option to whitelist network printer list. Enter the name of printers in comma separated format.

Allow eToken Devices (1 = Enable/0 = Disable)
Select this option to allow/block use of eToken devices.

Include File Extension for File Activity Monitoring (e.g EXE)
Select this option to include File Extension for File Activity Monitoring.

Exclude File Extension for File Activity Monitoring (e.g EXE)
Select this option to exclude File Extension for File Activity Monitoring (e.g EXE).

Auto Whitelist BitLocker encrypted USB Devices (1 = Enable/0 = Disable)
Select this option to allow/block auto whitelist BitLocker encrypted USB devices.

Ask Password for whitelisted Devices only (1 = Enable/0 = Disable)
Select this option to allow/block ask password for whitelisted devices.

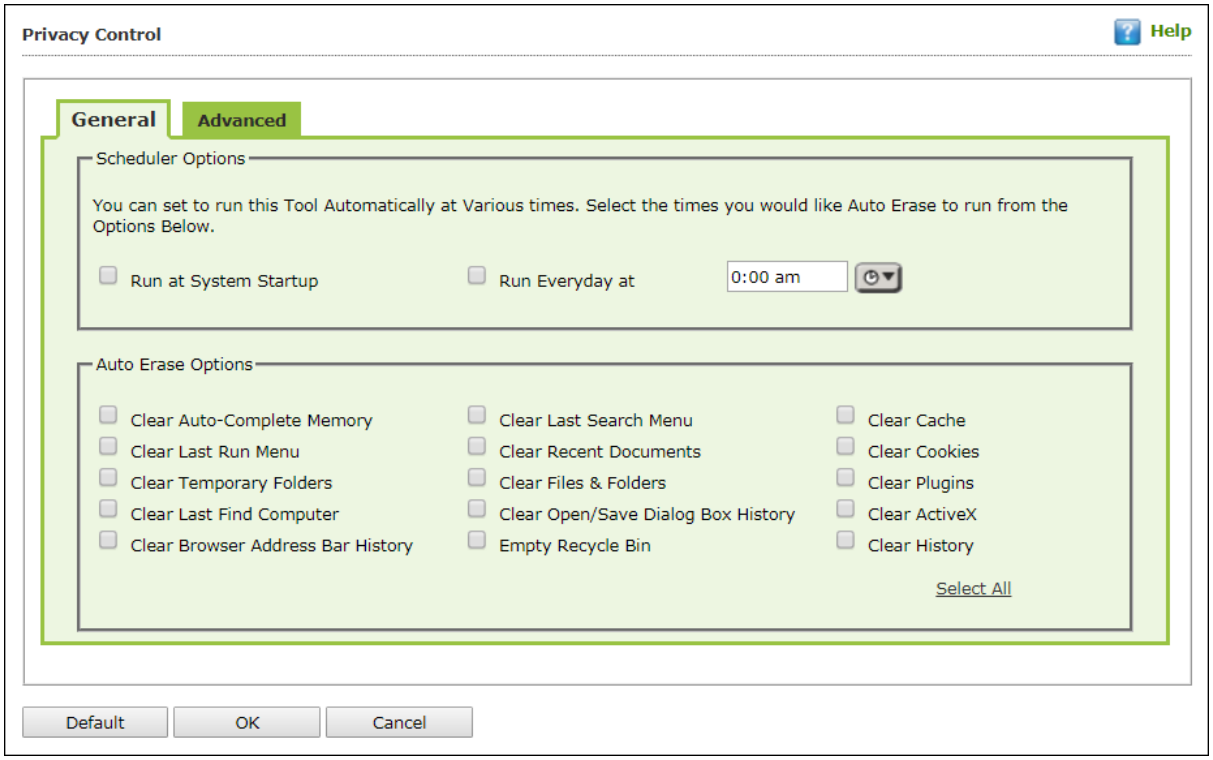
Disable Print Screen (1 = Enable/0 = Disable)
Select this option to enable/disable use of printer screen.

Block Software Installation/Uninstallation (1 = Enable/0 = Disable)
Select this option to enable/ disable for block software installation/uninstallation.

NOTE	Click **Default** to apply default settings done during eScan installation. It loads and resets the values to the default settings.

Privacy Control

Privacy Control module protects your confidential information from theft by deleting all the temporary information stored on your computer. This module lets you use the Internet without leaving any history or residual data on your hard drive. It erases details of the sites and web pages you have accessed while browsing. This page provides you with options for configuring the module.



It consists following tabs:

- **General**
- **Advanced**

General tab

This tab lets you specify the unwanted files created by web browsers or other installed softwares that should be deleted. You can configure the following settings:

Scheduler Options

You can set the scheduler to run at specific times and erase private information, such as the browsing history from your computer. The following settings are available in the **Scheduler Options** section.

- **Run at System Startup**: It auto executes the Privacy Control module and performs the desired auto-erase functions when the computer starts up.
- **Run Everyday at**: It auto-executes the Privacy Control module at specified times and performs the desired auto erase functions. You can specify the time within the hours and minutes boxes.

Auto Erase Options
The browser stores traceable information of the websites that you have visited in certain folders. This information can be viewed by others. eScan lets you remove all traces of websites that you have visited. To do this, it auto detects the browsers that are installed on your computer. It then displays the traceable component and default path where the temporary data is stored on your computer. You can select the following options based on your requirements.

Clear Auto Complete Memory
Auto Complete Memory refers to the suggested matches that appear when you enter text in the Address bar, the Run dialog box, or forms in web pages. Hackers can use this information to monitor your surfing habits. When you select this checkbox, Privacy Control clears all this information from the computer.

Clear Last Run Menu
When you select this option, Privacy Control clears this information in the Run dialog box.

Clear Temporary Folders
When you select this option, Privacy Control clears files in the Temporary folder. This folder contains temporary files installed or saved by software. Clearing this folder creates space on the hard drive and boosts the performance of the computer.

Clear Last Find Computer
When you select this option, Privacy Control clears the name of the computer for which you searched last.

Clear Browser Address Bar History
When you select this checkbox, Privacy Control clears the websites from the browser's address bar history.

Clear Last Search Menu
When you select this option, Privacy Control clears the name of the objects that you last searched for by using the Search Menu.

Clear Recent Documents
When you select this checkbox, Privacy Control clears the names of the objects found in Recent Documents.

Clear Favorites
When you select this checkbox, Privacy Control clears the names of the objects found in Favorites.

Clear Open/Save Dialog box History
When you select this checkbox, Privacy Control clears the links of all the opened and saved files.

Empty Recycle Bin
When you select this checkbox, Privacy Control clears the Recycle Bin.

NOTE	Use this option with caution as it permanently clears the recycle bin.

Clear Cache
When you select this checkbox, Privacy Control clears the Temporary Internet Files.

Clear Cookies
When you select this checkbox, Privacy Control clears the Cookies stored by websites in the browser's cache.

Clear Plugins
When you select this checkbox, Privacy Control removes the browser plug-in.

Clear ActiveX
When you select this checkbox, Privacy Control clears the ActiveX controls.

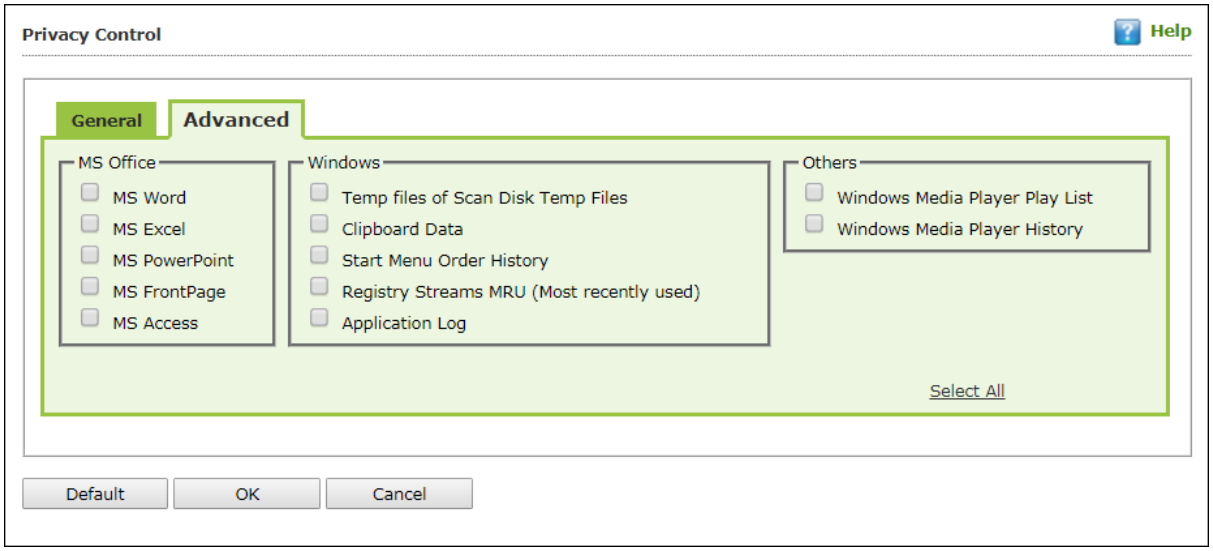
Clear History
When you select this checkbox, Privacy Control clears the history of all the websites that you have visited.

In addition to these options, the **Auto Erase Options** section has below option as well.

Select All/ Unselect All
Click this button to select/unselect all the auto erase options.

Advanced tab

This tab lets you select unwanted or sensitive information stored in MS Office, other Windows files and other locations that you need to clear.



MS Office
The most recently opened MS office files will be cleared if these options are selected**.**

Windows
The respective unwanted files like temp files will be cleared.

Others
The unwanted files in the Windows media player will be cleared.

Select All/ Unselect All
Click this button to select/unselect all the options in Advanced tab.

NOTE	Click **Default** to apply default settings, which are done during installation of eScan. It loads and resets the values to the default settings.

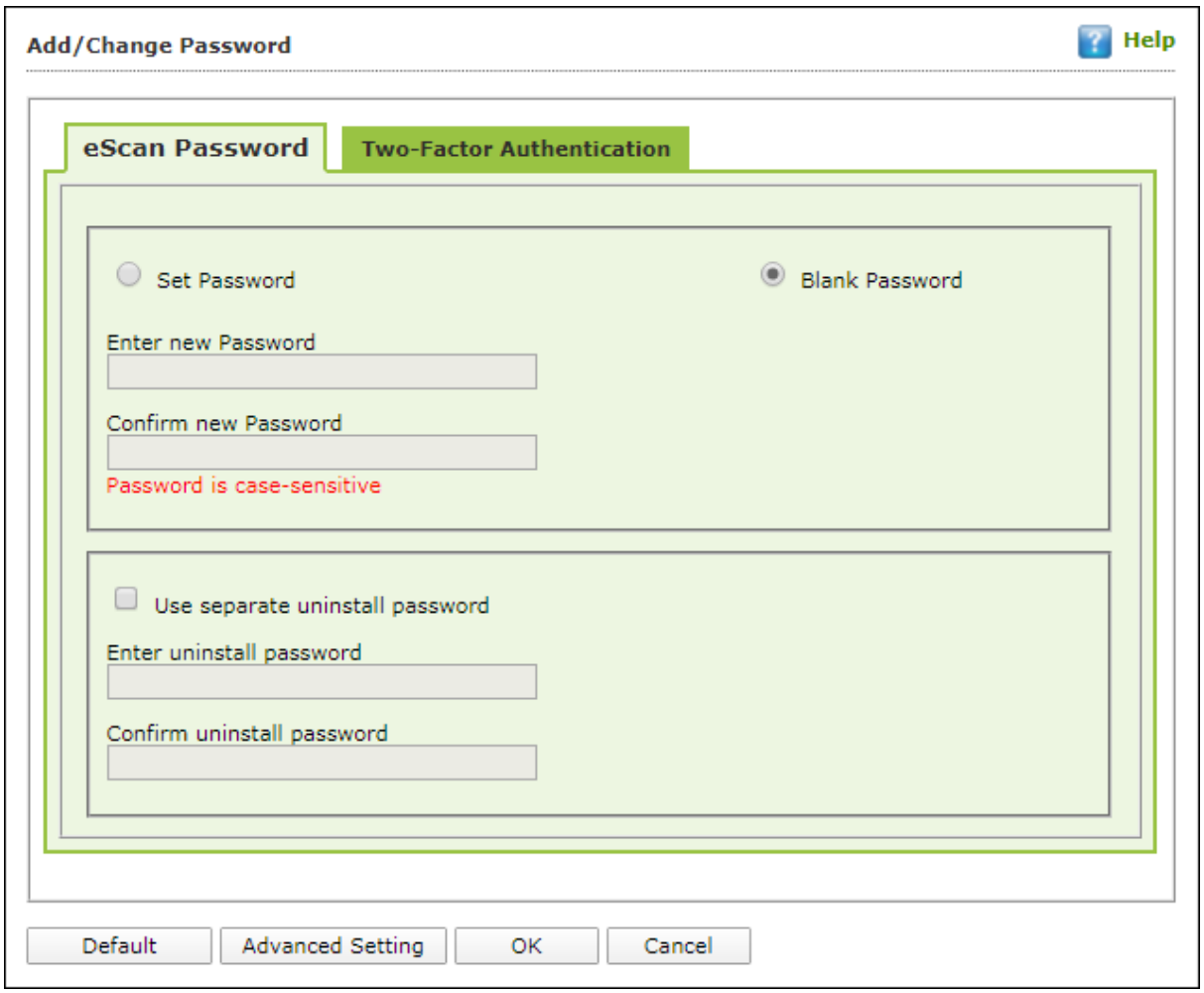
Policy Details also lets you do the following for Windows Operating System.

Administrator Password

Administrator Password policy in eScan Enterprise EDR - Cloud lets you create and change password for administrative login of eScan Protection Center and Two-Factor Authentication.

eScan Password

Select the option **Set Password** and define a password as per your choice. It also lets you keep the password as blank, wherein you can login to eScan Protection Center without entering any password for read-only access.



Below are the mandatory criteria for strong password creation:

Password length: The password length should be of minimum 8 characters.
Lowercase: The password must contain at least 1 letter in Lowercase (a-z).
Uppercase: The password must contain at least 1 letter in Uppercase (A-Z).
Numeric: The password must contain at least 1 digit (0-9).
Special character: The password must contain at least 1 special character ($ @ ! % * # ? _ &).
Password match: Both the entered passwords should be matching.

Additionally, there is an option to set an uninstall password. An uninstall password prevents unauthorized uninstallation of eScan client from the endpoint. Upon selecting Uninstall option, eScan

asks for uninstall password before proceeding further. To set an uninstall password, select checkbox **Use separate uninstall password**.

Two-Factor Authentication

Your default system authentication (login/password) is Single-Factor Authentication which is considered less secure as it may put your organization's data at high risk of compromise. The Two-Factor Authentication, commonly known as 2FA, adds an extra layer of protection to your basic system logon. The 2FA feature requires personnel to enter an additional passcode after entering the system login password. So, even if an unauthorized person knows your system credentials, the 2FA feature secures a system against unauthorized access.

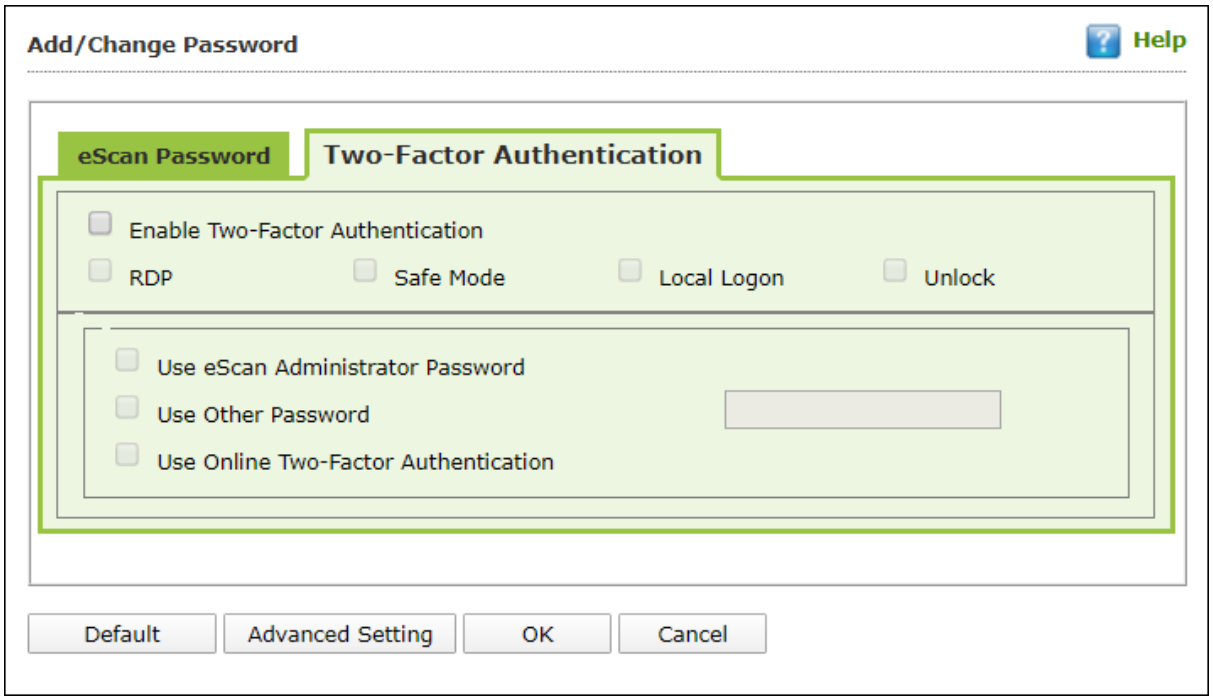
With the 2FA feature enabled, the system will be protected with basic system login and eScan 2FA. After entering the system credentials, eScan Authentication screen will appear as shown in the below image. The personnel will have to enter the 2FA passcode to access the system. A maximum of three attempts are allowed to enter the correct passcode. If the 2FA login fails, the personnel will have to wait for 30 seconds to log in again. Read about managing 2FA license.

To enable the Two-Factor Authentication feature, follow the steps given below:

1. In the eScan web console, go to **Managed Computers**.
2. Click **Policy Templates** > **New Template**.

NOTE	You can enable 2FA for existing policy templates by selecting a template > **Properties**. And then continue with the steps below:

3. Select **Administrator Password** checkbox and then click **Edit**.
4. Click **Two-Factor Authentication** tab.
   Add/Change Password window appears.



5. Select the checkbox **Enable Two-Factor Authentication**.
   The Two-Factor Authentication feature gets enabled.

Login Scenarios

The 2FA feature can be used for all the following login scenarios:

RDP

RDP stands for Remote Desktop Protocol. Whenever someone takes remote connection of a client's system, the personnel will have to enter system login credentials and 2FA passcode to access the system.

Safe Mode

After a system is booted in Safe Mode, the personnel will have to enter system login credentials and 2FA passcode to access the system.

Local Logon

Whenever a system is powered on or restarted, the personnel will have to enter system login credentials and 2FA passcode to access the system.

Unlock

Whenever a system is unlocked, the personnel will have to enter login credentials and 2FA passcode to access the system.

Password Types

If the policy is applied to a group, the 2FA passcode will be same for all group members.
The 2FA passcode can also be set for specific computer(s).
You can use following all password types to log in:

Use eScan Administrator Password

You can use the existing eScan Administrator password for 2FA login. This password can be set in **eScan Password** tab besides the **Two-Factor Authentication** tab.

Use Other Password

You can set a new password which can be combination of uppercase, lowercase, numbers, and special characters.

Use Online Two-Factor Authentication

This option can be enabled for all users or for particular user according to the requirement.
To learn more about adding user and enabling the 2FA, **click here**.

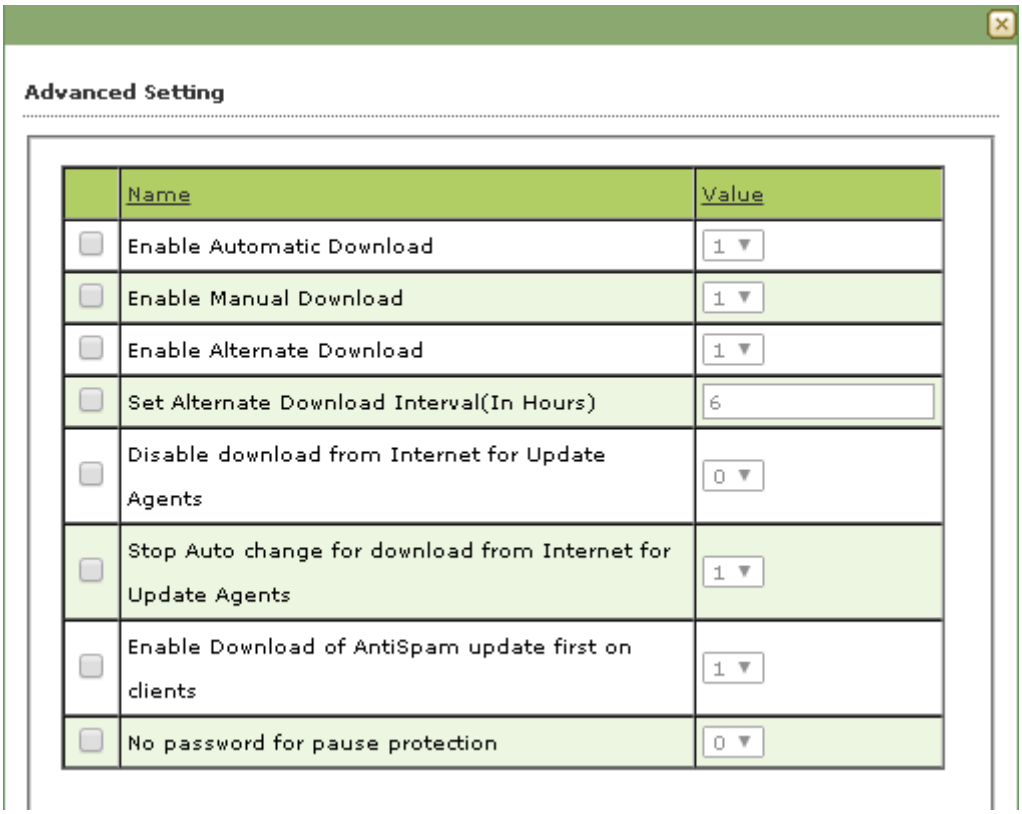
NOTE	Users can be added via **Settings** > **Two-Factor Authentication** > **Users for 2FA** option.

To use this feature, follow the steps given below:

1. Install the Authenticator app from Play Store for Android devices or App Store for iOS devices.
2. Open the Authenticator app and tap **Scan a barcode**.
3. Select the checkbox **Use Online Two-Factor Authentication**.
4. Go to **Managed Computers** and below the top right corner, click **QR code for 2FA**.
   A QR code appears.
5. Scan the onscreen QR code via the Authenticator app.
   A Time-based One-Time Password (TOTP) appears on smart device.
6. Forward this TOTP to personnel for login.

Advanced Setting

Clicking **Advanced Setting** displays Advance setting.



Enable Automatic Download (1 = Enable/0 = Disable)
It lets you Enable/Disable Automatic download of Antivirus signature updates.

Enable Manual Download (1 = Enable/0 = Disable)
It lets you Enable/Disable Manual download of Antivirus signature updates.

Enable Alternate Download (1 = Enable/0 = Disable)
It lets you Enable/Disable download of signatures from eScan (Internet) if eScan Server is not reachable.

Set Alternate Download Interval (In Hours)
It lets you define time interval to check for updates from eScan (Internet) and download it on managed computers.

Disable download from Internet for Update Agents (1 = Enable/0 = Disable)
Selecting this option lets you disable Update Agents from downloading the virus signature from internet.

Stop Auto change for download from Internet for Update Agents (1 = Enable/0 = Disable)
This option is used when an Update Agent didn't find the primary server to download virus signature, then it tries to get virus signature from internet, so to stop Update Agent from downloading from internet this option is to be set to 1(one).

Enable Download of Anti-Spam update first on clients (1 = Enable/0 = Disable)
Normally while updating a system for virus signatures, we first download the anti-virus signature and then anti-spam signature. This option lets you first download Anti-spam updates on clients.

No password for pause protection
Selecting this option lets you pause the eScan protection without entering password.
Download Signature Updates from Internet and policy from Primary Server (1= Enable/0 Disable)
Selecting this option lets you download Signature Updates from Internet and policy from Primary Server.

Change ICON to eScan (1= Enable/0=Disable)
Selecting this option will allow you to change the icon of the eScan.

Stop Patch Notification (1= Enable/ 0 = Disable)
This option allows you to enable/disable the patch notification option.

Set IPONLY (1=Enable/0=Disable)
Select enable/disable to set the IP ONLY option.

Enable HTTPS Download (1=Enable/0=Disable)
This option allows you to enable/ disable the HTTPS Download option.

Show Protection Center in Read Only Mode (Applicable only on icon Click)
Select enable/ disable to show Protection Center in Read Only Mode option.

Enable Policy REAPP (1=Enable/0=Disable)
Select this option to enable Policy REAPP option.

Disable Policy REAPP REG Only (1=Enable/0=Disable)
Select this option to disable the Policy REAPP REG only option.

Enable Win Patch download (1=Enable/0=Disable)
Select this option to enable Win Patch Download option.

Enable ALL Win Patch Download (1=Enable/0=Disable)
Select this option to enable ALL Win Patch Download option.

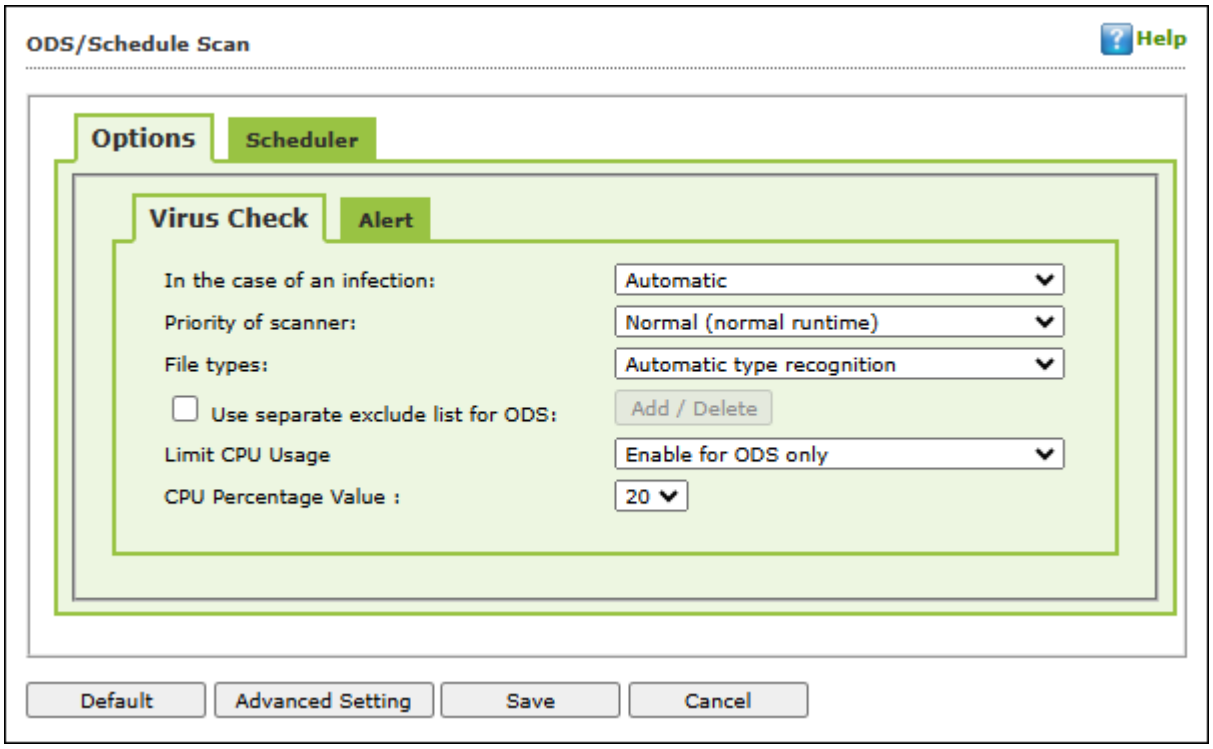
ODS/Schedule Scan

ODS (On Demand Scanning)/Schedule Scan provides you with various options like – checking for viruses, and making settings for creating logs and receiving alerts. You can also create task in the scheduler for automatic virus scanning.

NOTE	Click **Default** to apply default settings, which are done during installation of eScan. It loads and resets the values to the default settings.

It consists following tabs:

- **Options**
- **Scheduler**



Options

Options tab lets you make the settings for checking viruses and receiving alerts. There are two tabs – Virus Check and Alerts. You can do the following activities:

- Virus Check
- Alerts

Virus Check

It lets you configure the settings for checking viruses.

To set Virus Check:

1. Specify the following field details:
    - **In the case of an infection**: Select an appropriate option from the drop-down list. For example, Log only, Delete infected file, and Automatic [Default]. If the option Automatic is selected, eScan will quarantine the infected file. In this case, if the action Delete object is selected in File Anti-Virus module, the object will be deleted.
    - **Priority of scanner**: Select an appropriate option from the drop-down list. For example,
        - High (short runtime)
        - Normal (normal runtime) [Default]
        - Low (long runtime)
    - **File types**: Select an appropriate option from the drop-down list. For example, \[Default\] Automatic type recognition and Only program files.
    - **Use separate exclude list for ODS**: Select this option to add a list of file/folders that should be excluded from scan.
    - **Limit CPU Usage:** You can limit the CPU usage during the scan by selecting the appropriate option from the drop-down list.
        - Disable for all scan instances
        - Enable for ODS only
        - Enable for all scan instances
    - **CPU Percentage Value:** Allocate the maximum threshold (in %) from the drop-down for CPU usage during the scan.
2. Click **Save**.

Alerts tab

It lets you configure the settings for virus alert. You can also create a log of the infected viruses.

To set alerts,

1. Under **Alert** section, Select the [Default] **Warn**, **if virus signature is more than** x day's old checkbox, and then enter the number of days in the x day's old field, if you want to receive alerts when virus signature exceeds the specified days. By default, value 3 appears in the field.
2. Select the **Warn**, **if the last computer analysis was more than** x days ago checkbox, and then enter the number of days in the x days ago field, if you want to receive alerts when last computer analysis exceeds the specified days. By default, 3 appear in the field.
3. Under **Log Settings** section, select the [Default] **Prepare Log** checkbox, if you want to prepare log of the infected files, and then select an appropriate option.
4. Click **Save**.

NOTE	Click **Default** to apply default settings, which are done during installation of eScan. It loads and resets the values to the default settings.

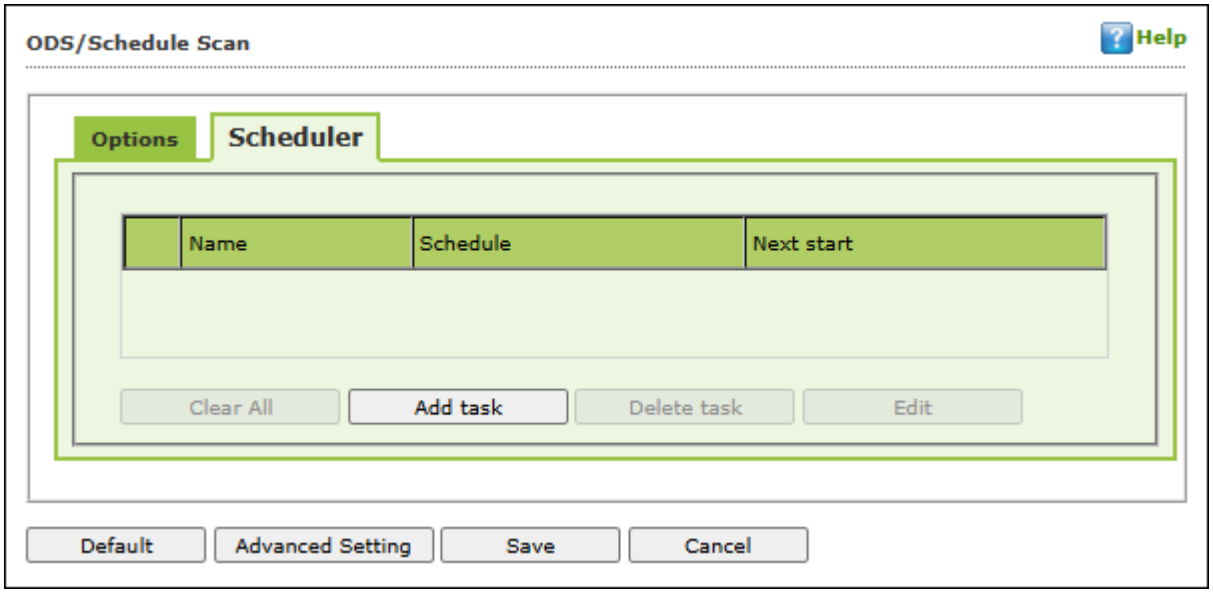
Scheduler

Scheduler tab lets you create/delete various tasks in the scheduler for automatic virus scanning.

NOTE	Click **Default** to apply default settings, which are done during installation of eScan. It loads and resets the values to the default settings.

Clear All - This button will clear all the listed tasks.

Add Task



Automatic Virus Scan window lets you do following activities:

a) Creating job
b) Setting analysis extent
c) Scheduling virus execution
d) Scheduling virus scan

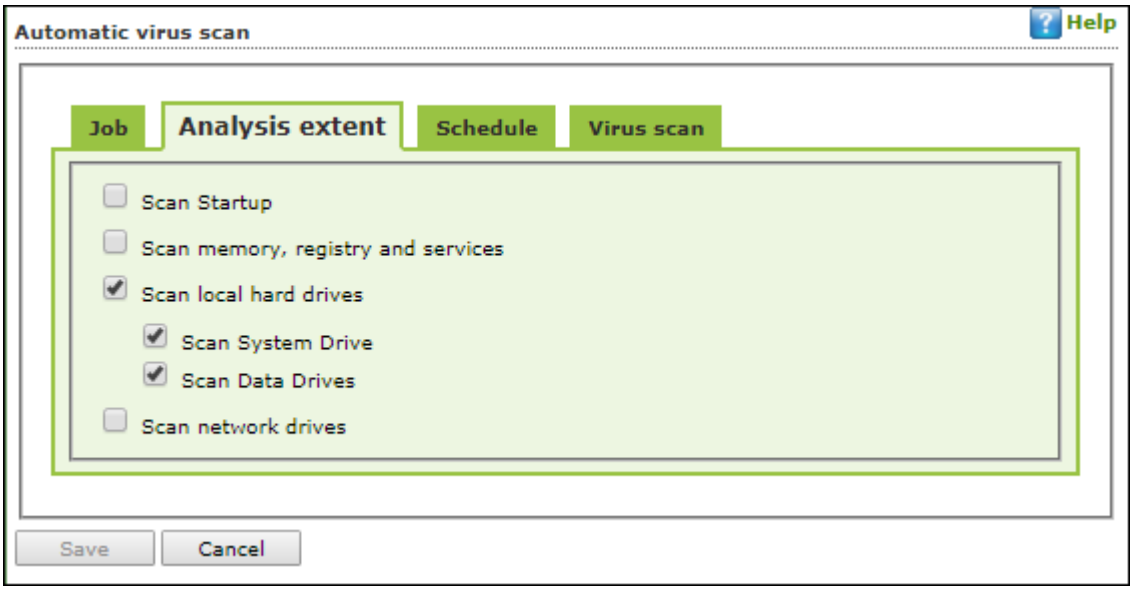
a) Job

It lets you create the job details for virus scanning.

1. Click the **Job** tab.
2. Specify the following field details.
   - **Name**: Enter a name for the task.
   - **Active [Default]**: Select this checkbox, if you want to allow the client to schedule the task.
   - **Start in foreground [Default]**: Click this option if you want to view scanning process running in front of you.
     When this option is selected, the **Scan only when idle** option becomes unavailable.
   - **Start in background**: Click this option if you want scanning process to run in the background. By default, **Do not quit if virus is detected** option is selected. When you select this option, the Quit drop-down list becomes unavailable.
3. Click **Save**.

b) Analysis Extent

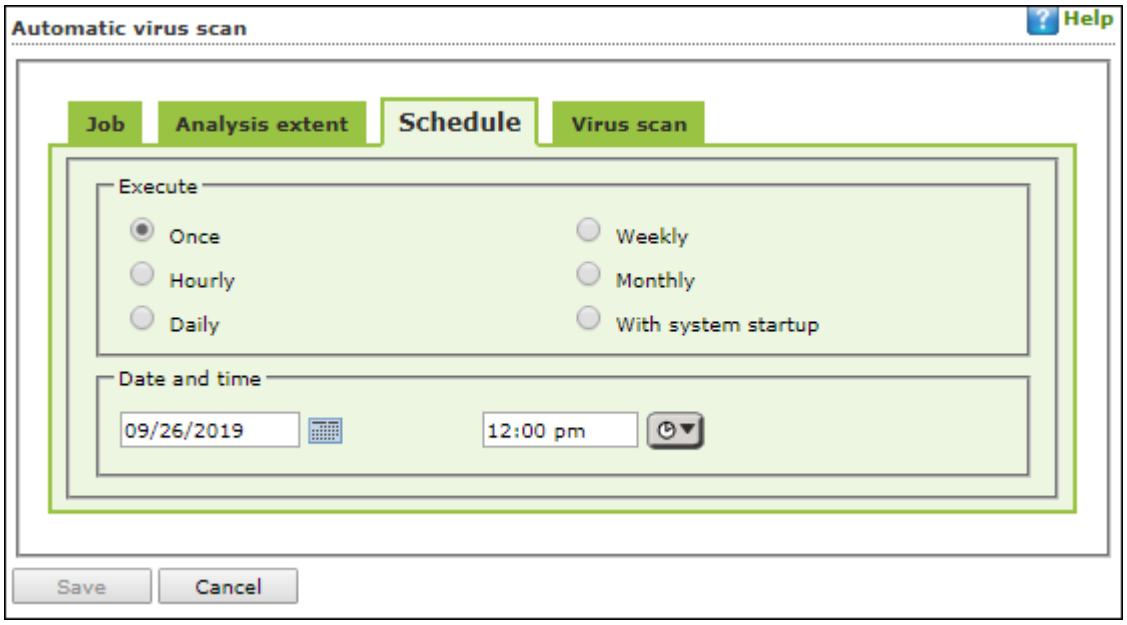
It lets you configure analysis extent settings for virus scanning.



1. Click the **Analysis Extent** tab.
2. Select the **Scan Startup** option, if you want to scan all startup entries.
3. Select the **Scan memory, registry** and **services** option, if you want to scan memory, registry and services.
4. Select the [Default] **Scan local hard drives** option, if you want to scan local hard drives.
5. Select **Scan network drives** option, if you want to scan network drives. Users should note that scanning a network drive may affect system performance.
6. Click **Save**.

c) Scheduling

It lets you schedule the date and time of execution for virus scanning.



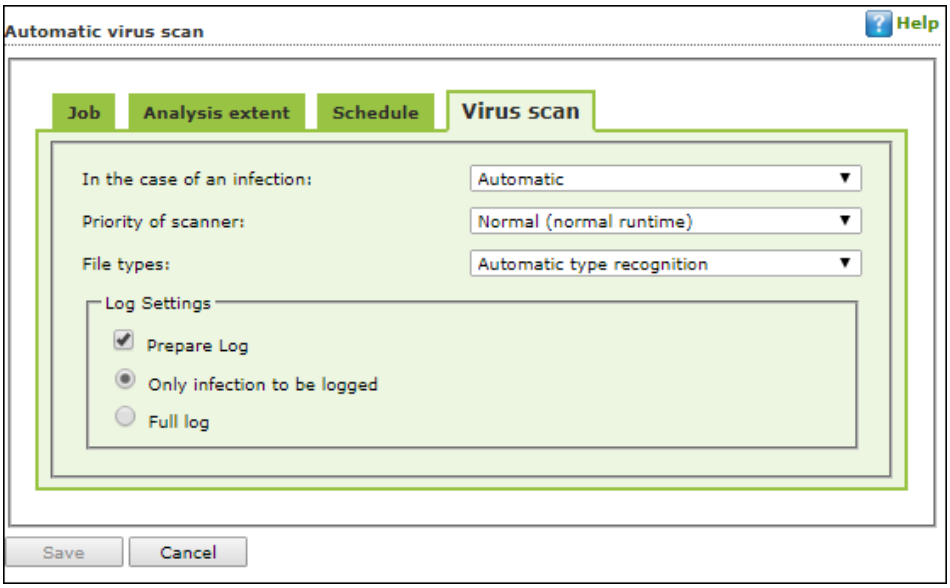
1. Click **Schedule** tab.
2. Under Execute section, select an appropriate option. For example, [Default] Once, weekly, hourly, and so on.
3. Under Date and time section, click the **calendar** icon. The calendar appears.
4. Select an appropriate date from the calendar.

NOTE	Click the left < and right > sign to navigate to the previous or next month and year from the calendar respectively.

5. Click the **Time** icon. The Timer appears.
6. Click the **AM** tab to view the before noon time and **PM** tab to view the afternoon time, and then select an appropriate time from the list.
7. Click **Save**.

d) Virus Scan

It lets you schedule virus scanning.



1. Click the **Virus Scan** tab.
2. Specify the following field details:
    - **In the case of an infection**: Select an appropriate option from the drop-down list. For example, Log only, Delete infected file, and [Default] Automatic.
    - **Priority of scanner**: Select an appropriate priority from the drop-down list.
    - **File types**: Select an appropriate option from the drop-down list. For example, [Default] Automatic type recognition and Only program files.
3. Under Log Settings section, select the [Default] Prepare Log checkbox, if you want to prepare log of the infected files, and then click an appropriate option.
4. Click **Save**.

Delete Task – Clicking **Delete Task** lets you delete the particular task from the list.

Edit – Clicking **Edit** lets you edit the properties of the particular task from the list.

Advanced Settings

Autorun System Scanning if System not scanned for days defined

This option let you define days for autorun system scanning if system is not scanned.

Ignore Battery Status

Select this option to Ignore Battery Status.

Scan USB when All Drive option selected

Select this option to scan USB when all drive options are selected.

Remove LNK

This option lets you Enable/Disable Removal of LNK.

Start Background Scan in System Mode

Select this option to start background scan in system mode**.**

Enable Scan Caching
This option lets you Enable/Disable scanning of cache.

Check for Corrupted Files
Select this option to check for corrupted files.

Scan in low Priority Mode
It lets you Enable/Disable the scan in low priority mode on the computer.

Enable Unhiding of USB Files & Folder
This option let you enable/disable unhiding USB files & folders.

Enable Missed schedule scan JOB's to run
This option let you enable/disable missed schedule scan JOB's to run.

MWL (MicroWorld WinSock Layer)

eScan's "MicroWorld-WinSock Layer" (MWL) is a revolutionary concept in scanning Internet traffic on a real-time basis. It has changed the way the world deals with Content Security threats. Unlike the other products and technologies, MWL tackles a threat before it reaches your applications. MWL is technically placed above the WinSock layer and acts as a "Transparent Gatekeeper" on the WinSock layer of the operating system. All content passing through WinSock has to mandatorily pass through MWL, where it is checked for any security violating data. If such data occurs, it is removed and the clean data is passed on to the application.

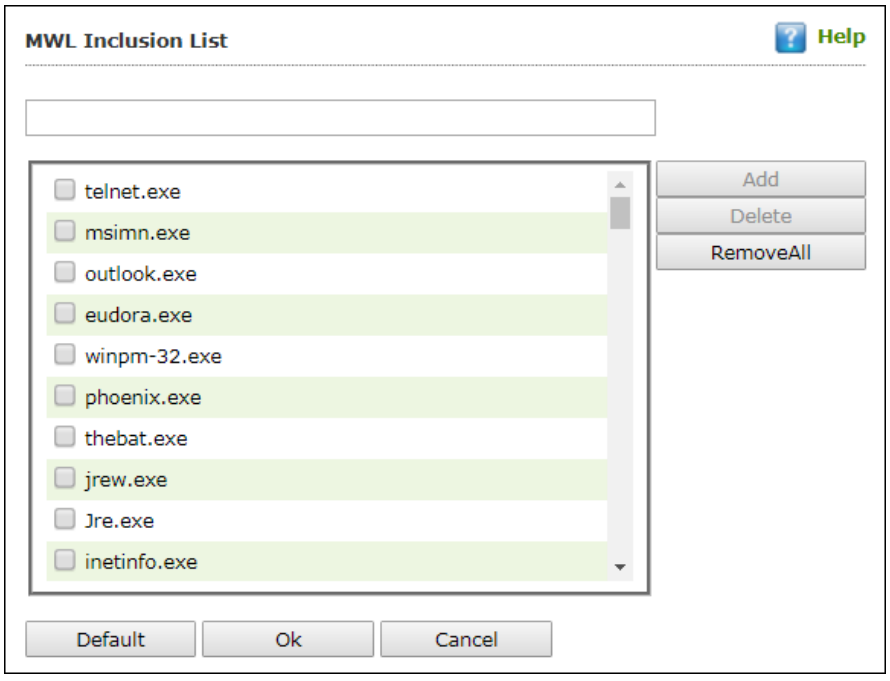
MWL Inclusion List

Inclusion List contains the name of all executable files which will bind itself to MWTSP.DLL. All other files are excluded.

NOTE	Click **Default** to apply default settings, done during eScan installation. It loads and resets the values to the default settings.

You can do the following activities.

- **Adding files** to Inclusion List
- **Deleting files** from Inclusion List
- **Removing all files** from Inclusion List



Add files to Inclusion List

To add executable files to the Inclusion List, follow the steps given below:

1. Enter the executable file name and then click **Add**.
   The executable file will be added to the Inclusion List.
2. Click **OK**.

Delete files from Inclusion List

To delete executable files from the Inclusion List, follow the steps given below:

1. Select executable files, and then click **Delete**.
   A confirmation prompt appears.
2. Click **OK**.
   The executable file will be deleted from the Inclusion List.

Remove all files from Inclusion List

To remove all executable files from the Inclusion List, follow the steps given below:

1. Click **Remove All**.
   A confirmation prompt appears.
2. Click **OK**.
   All executable files will be removed from the Inclusion List.

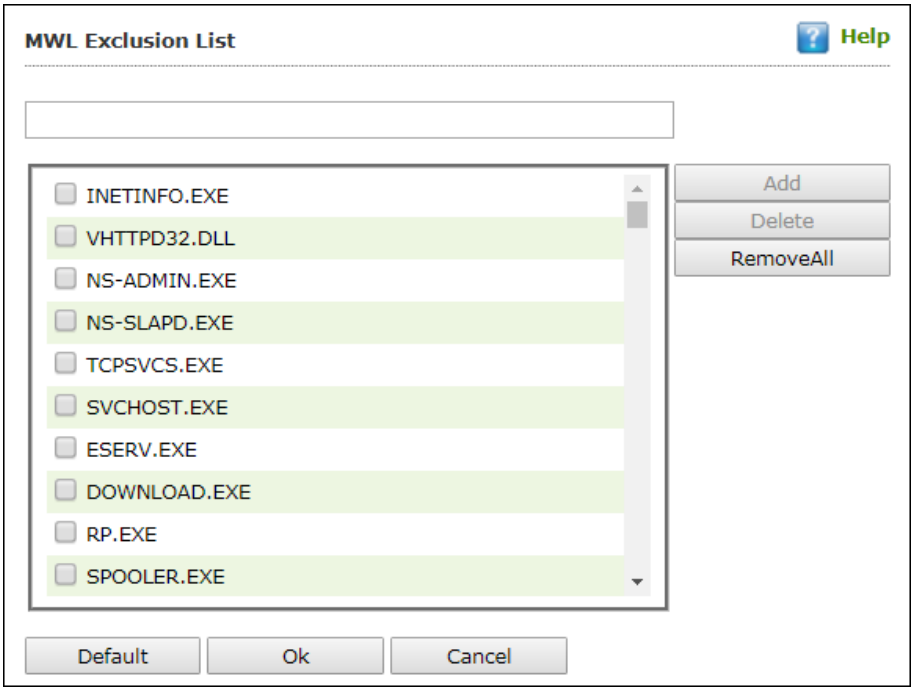
MWL Exclusion List

MWL (MicroWorld WinSock Layer) Exclusion List contains the name of all executable files which will not bind itself to **MWTSP.DLL**.

NOTE	Click **Default** to apply default settings, which are done during installation of eScan. It loads and resets the values to the default settings.

You can do the following activities:

- **Adding files** to Exclusion List
- **Deleting files** from Exclusion List
- **Removing all files** from Exclusion List



Adding files to Exclusion List

To add executable files to the Exclusion List:

1. Enter the executable file name and then click **Add**.
   The executable file gets added to the Exclusion List.
2. Click **OK**.

Deleting files from Exclusion List

To delete executable files from the Exclusion List:

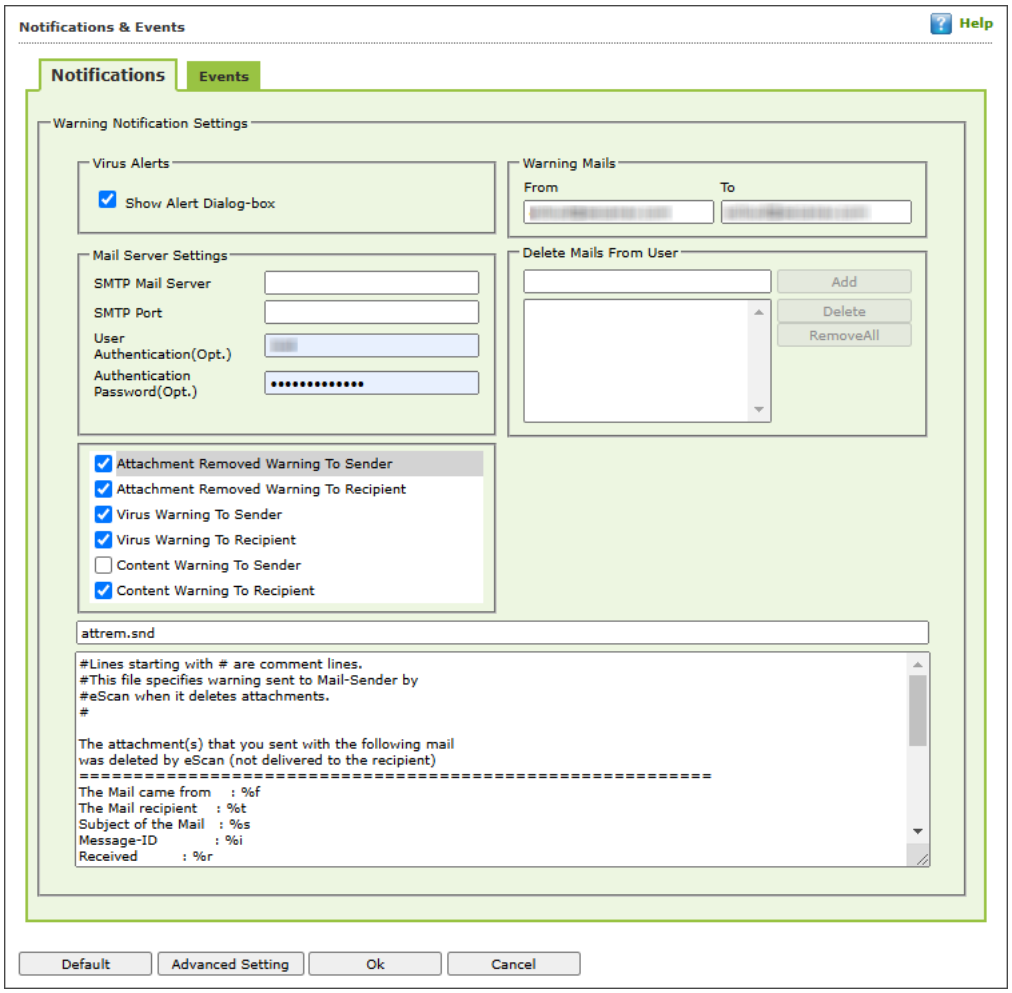
1. Select the appropriate file checkbox, and then click **Delete**.
   A confirmation prompt appears.
2. Click **OK**.
   The executable file gets deleted from the Exclusion List.

Removing all files from Exclusion List

To remove all executable files from the Exclusion List:

1. Click **Remove All**.
   A confirmation prompt appears.
2. Click **OK**.
   All executable files get removed from the Exclusion List.

Notifications and Events



Notifications

Notifications tab lets you configure the notification settings. It lets you send emails to specific recipients when malicious code is detected in an email or email attachment. It also lets you send alerts and warning messages to the sender or recipient of an infected message. You can configure the following settings:

Virus Alerts [Default]

This section contains **Show Alert Dialog box** option. Select this option if you want Mail Anti-Virus to alert you when it detects a malicious object in an email.

Warning Mails

Configure this setting if you want Mail Anti-Virus to send warning emails and alerts to a given sender or recipient. The default sender is **postmaster** and the default recipient is **postmaster**.

Attachment Removed Warning to Sender [Default]

Select this checkbox if you want Mail Anti-Virus to send a warning message to the sender of an infected attachment. Mail Anti-Virus sends this email when it encounters a virus infected attachment in an email. The email content is displayed in the preview box.

Attachment Removed Warning to Recipient [Default]
Select this checkbox if you want Mail Anti-Virus to send a warning message to the recipient when it removes an infected attachment. The email content is displayed in the preview box.

Virus Warning to Sender [Default]
Select this checkbox if you want Mail Anti-Virus to send a virus warning message to the sender. The email content is displayed in the preview box.

Virus Warning to Recipient [Default]
Select this checkbox if you want Mail Anti-Virus to send a virus warning message to the recipient. The email content is displayed in the preview box.

Content Warning to Sender
Select this checkbox if you want Mail scanner to send a content warning message to the sender. The email content is displayed in the preview box.

Content Warning to Recipient [Default]
Select this checkbox if you want Mail scanner to send a content warning message to the recipient. The email content is displayed in the preview box.

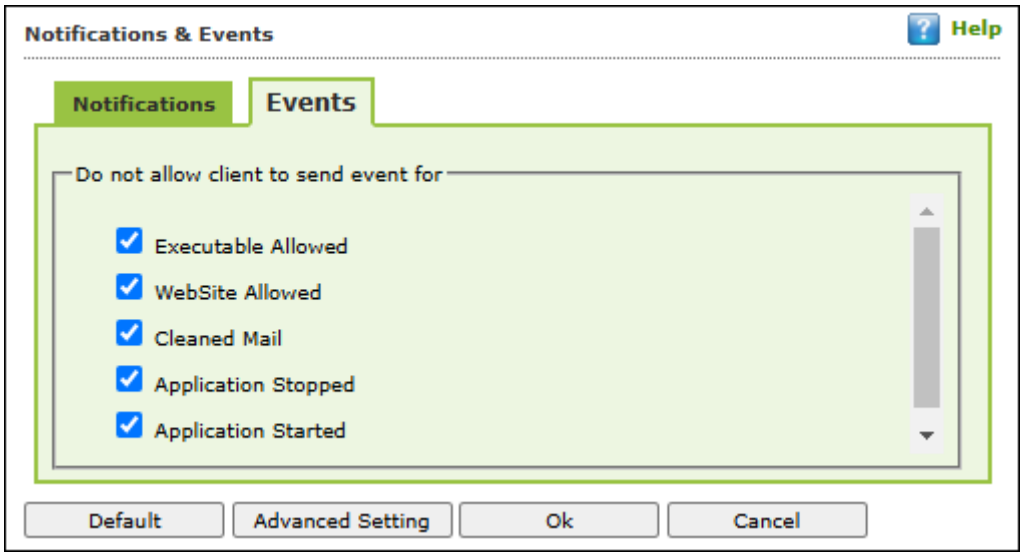
Delete Mails from User
You can configure eScan to automatically delete emails that have been sent by specific users. For this, you need to add the email addresses of such users to the **Delete Mails From User** field. The **Add**, **Delete**, and **Remove All** buttons appear as dimmed. After you enter text in the **Delete Mails From User** field, the buttons get enabled.

Events

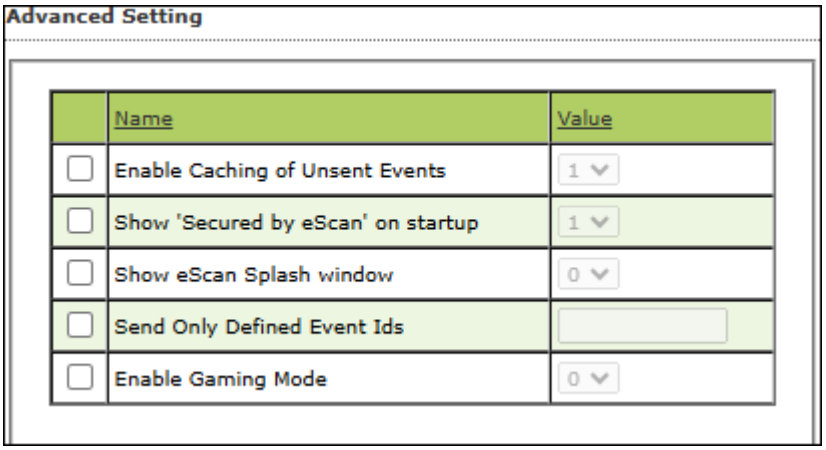
Events tab lets you define the settings to allow/restrict clients from sending alert for following events:

- Executable Allowed
- Website Allowed
- Cleaned Mail
- Application Stopped
- Application Started

By default, all events are selected.



Advanced Settings



Enable Caching of Unseen Events (1 = Enable/0= Disable)
It lets you Enable/Disable automatic caching of unseen events.

Show 'Secured by eScan' on startup (1 = Enable/0= Disable)
It lets you Enable/Disable the display of 'Secured by eScan' at the startup of the computers.

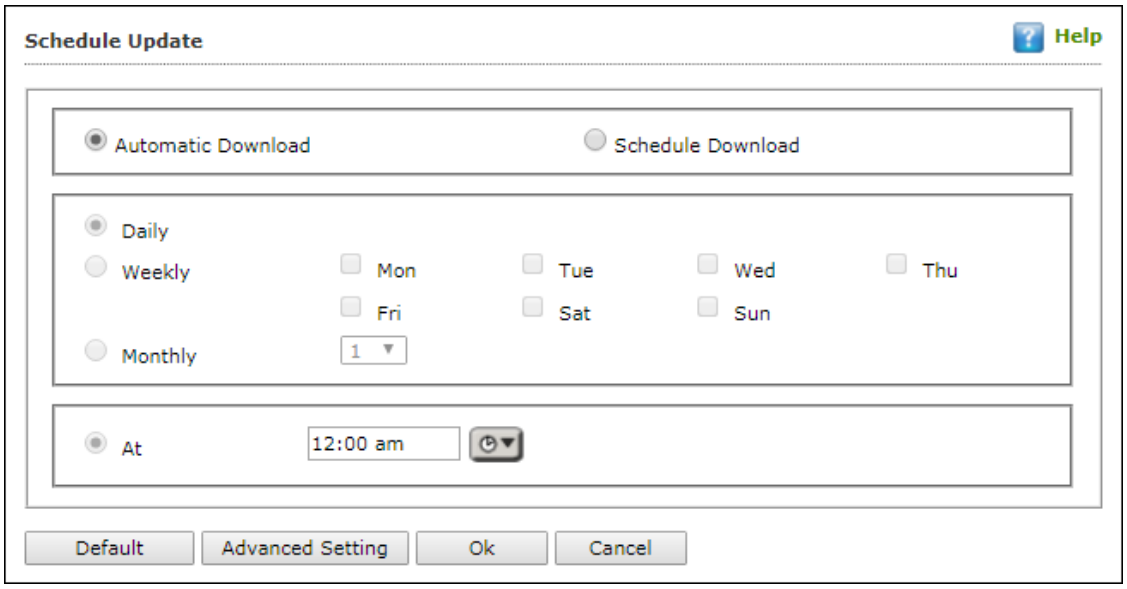
Show eScan Splash window (1 = Enable/0= Disable)
It lets you Enable/Disable display of eScan Splash Window.

Send Only Defined Event Ids
It lets you send only the defined events such as File Antivirus IDs, Mail Antivirus IDs, and more.

Enable Gaming Mode (1 = Enable/0 = Disable)
It lets you Enable/Disable the gaming mode on the computer.

Schedule Update

The Schedule Update lets you schedule eScan database updates.



The updates can be downloaded automatically with **Automatic Download** option.
-OR-
The updates can be downloaded on a schedule basis with **Schedule Download** option. Select intervals and time basis as per your preferences.

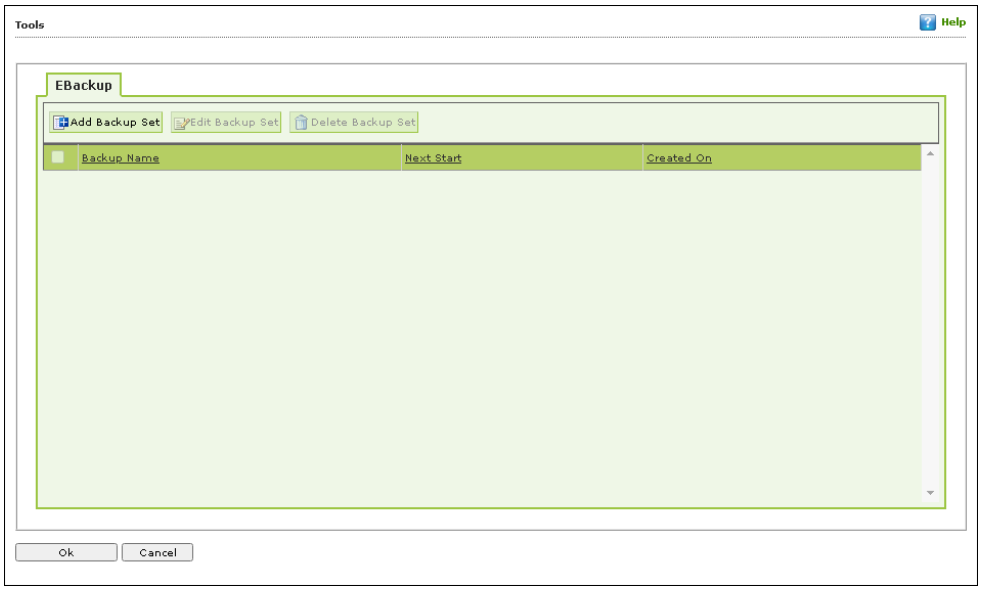
Advanced Settings

Set bandwidth limit for download (in kb/sec)
It lets you define bandwidth limit for download on managed computers, if you have limited internet connection or other network issues.

Retry schedule download (Default retry interval is 15 minutes)
It lets you define time to retry for download updates (Default retry interval is 15 minutes) on managed computers.

Tools

The Tools lets you configure eBackup setting.



eBackup

Taking regular backup of your critical files stored on your computer is very important, as files may get misplaced or damaged due to issues such as virus outbreak, modification by a ransomware or another user. This feature of eScan allows you to take backup of your important files stored on your computer such as documents, Photos, media files, music files, contacts, and so on. It allows you to schedule the backup process by creating tasks. The backed up data is stored in an encrypted format in a folder secured by eScan's real-time protection. You can create Backup jobs by adding files, folders to take a backup either manually or schedule the backup at a defined time or day.

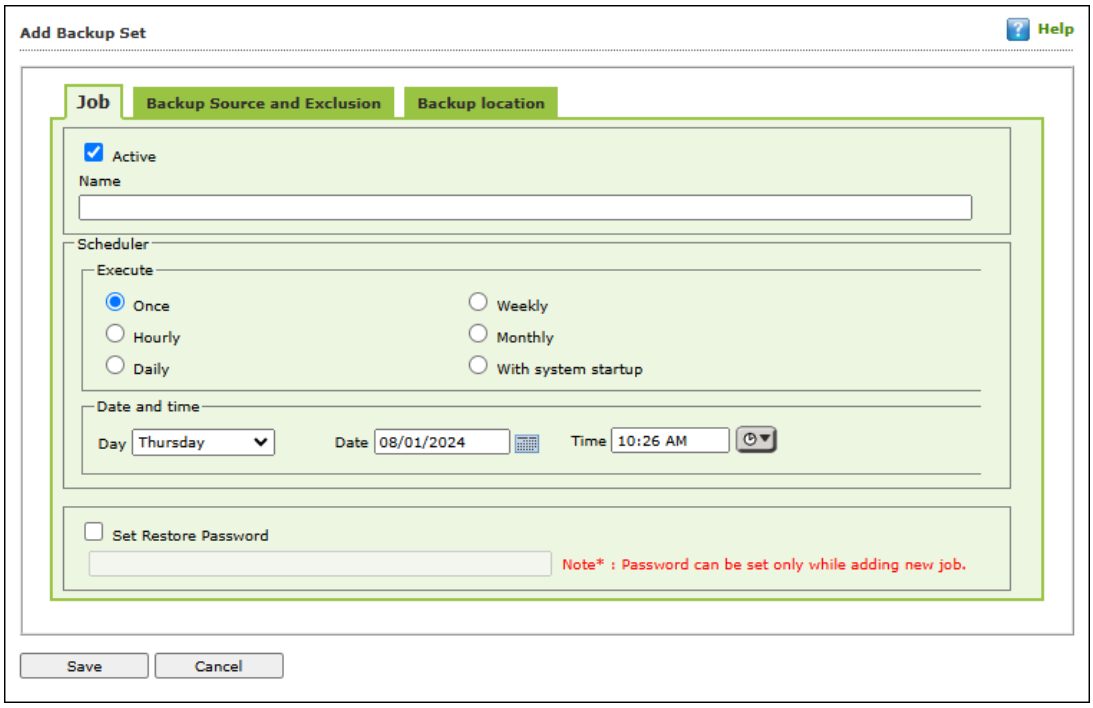
With eBackup feature you can:

- Create, schedule, edit, and delete backup jobs as per requirement.
- Take a backup of specific folder(s)/file extension(s) on local endpoint, external drives or network drive.
- Exclude specific folder(s)/file extension(s) from being backed up.
- Add specific file extensions to be backed up along with regular backup as per requirement.
- Save the backup data in external hard drive or local drive.

The eBackup option has following tabs to configure:

Job

Using this tab you can schedule the eBackup task.



Active
Select this option to set the configuring eBackup option as active.

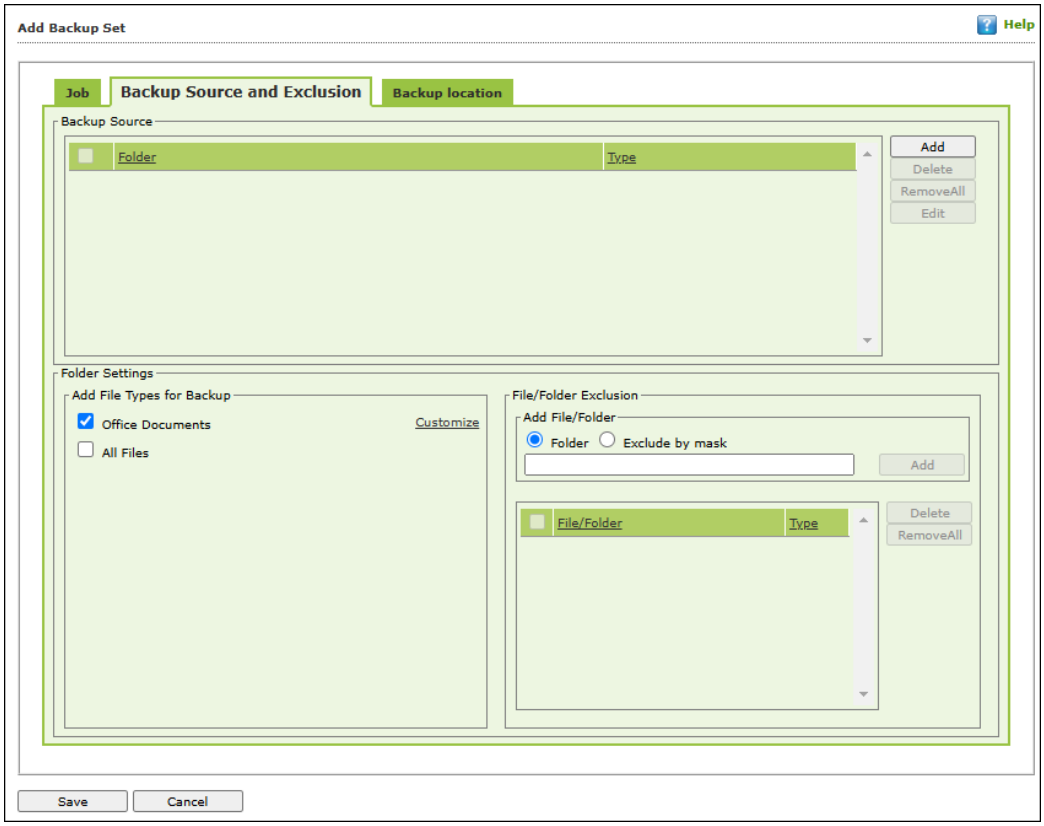
Scheduler
This option allows you to schedule the eBackup to repeat the process such as Once, Hourly, Daily, Weekly, Monthly, or with system startup.

Date and time
This option allows you to select the day, time, and date for running the scheduled eBackup task.

Set Restore Password
Select this option to set a password for restoring backup file on the computer.

Backup Source and Exclusion

This tab allows to include and exclude the folder and files for backup.



Backup Source

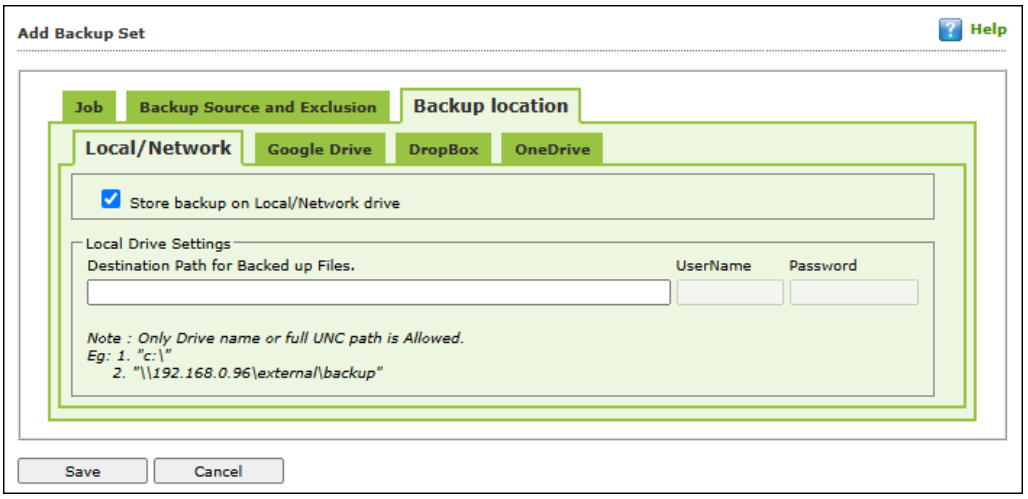
This option allows you to add the folder path(s) on which the backup has to be performed. Apart from that you can select the document types to be backed up from these particular folders.

Folder Settings

- **Add File Type for Backup**: Select the type of files for backup. By default, Office Documents option is selected.
- **File/Folder Exclusion**: In this section, you can exclude a specific folder or a file format from getting backed up. You can add, delete, and remove the files for the same.

Backup Location

This tab allows to define the storage location for the backup created.



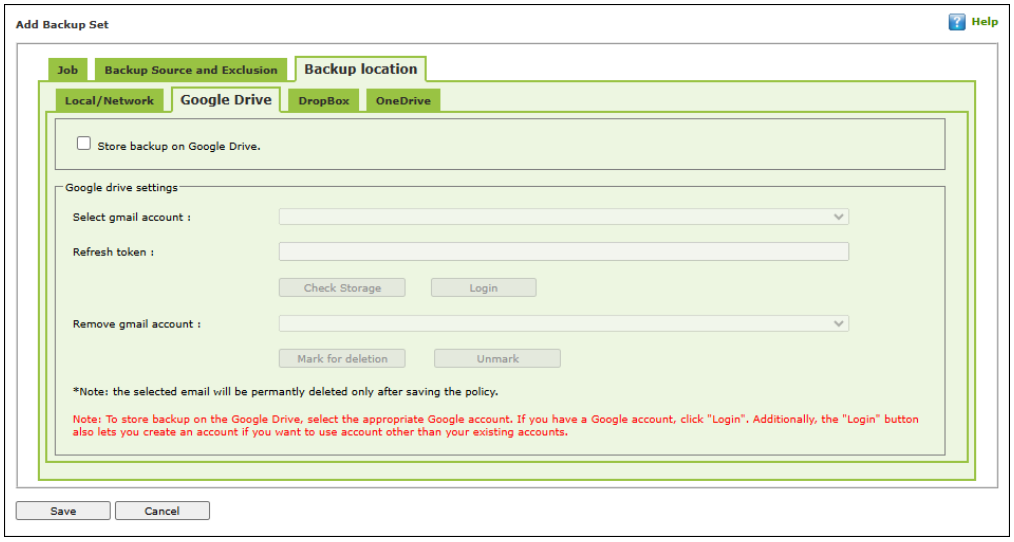
Local/Network

Administrator can save the backup set in the Local/Network Drive by providing the path of the drive and Username and password for the network drive.

NOTE	Network storage of backup set will be available in the trial period. To continue the use of this feature user need to avail the license for the same. In case of system crash or hardware failure, user can recover the created data backup, so storing the backup in the network drive, mapped drive, or NAS drive would be useful in such scenarios.

Google Drive

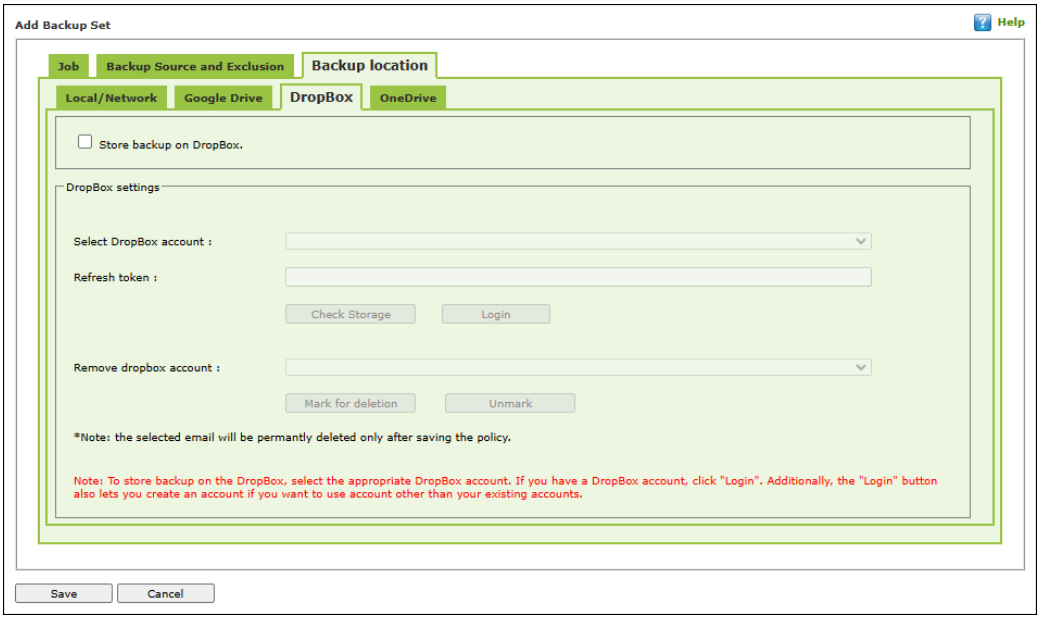
Administrator can save the backup set in the Google Drive by selecting the appropriate Gmail account and password for the same.



NOTE	To store backup on the Google Drive, select the appropriate Google account. If you have a Google account, click "**Login**". Additionally, the "**Login**" button also lets you create an account if you want to use account other than your existing accounts.

DropBox

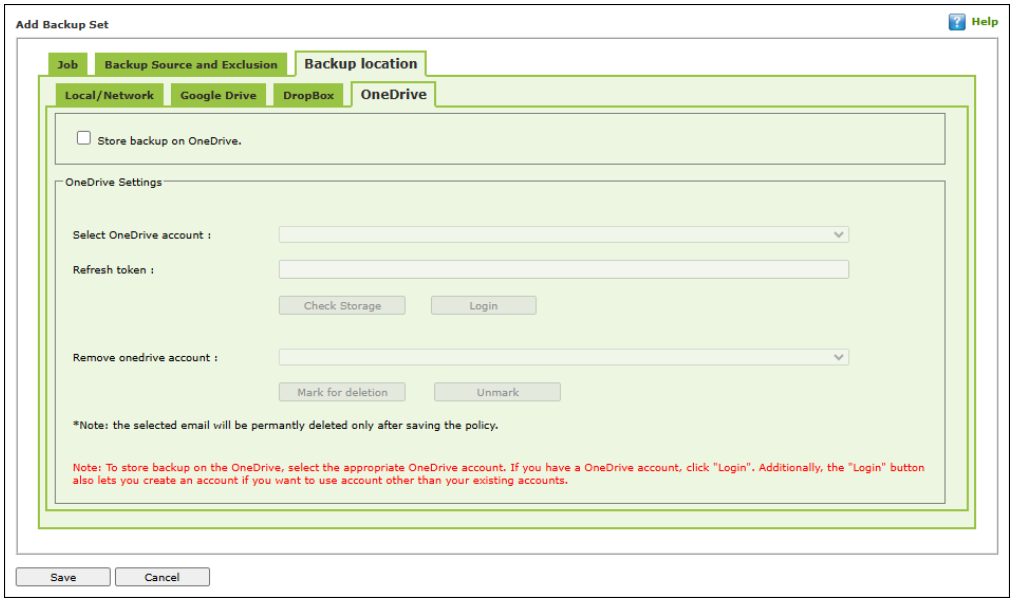
Administrator can save the backup set in the DropBox by selecting the appropriate DropBox account and password for the same.



NOTE	To store backup on the DropBox, select the appropriate DropBox account. If you have a DropBox account, click "**Login**". Additionally, the "**Login**" button also lets you create an account if you want to use account other than your existing accounts.

OneDrive

Administrator can save the backup set in the OneDrive by selecting the appropriate OneDrive account and password for the same.



NOTE	To store backup on the OneDrive, select the appropriate OneDrive account. If you have OneDrive account, click "**Login**". Additionally, the "**Login**" button also lets you create an account if you want to use account other than your existing accounts.

Add Backup Set

To create a Backup Set:

1. Go to **Managed Computers**.
2. Click **Policy Templates** > **New Template.**

NOTE	You can add the backup set for existing Policy Templates by selecting a Policy Template and then clicking **Properties**. Then, follow the steps given below:

3. Select **Tools** checkbox and then click **Edit**.
4. Click **Add Backup Set**.
   Add Backup Set window appears.
5. In Job tab, enter a name.
6. In the Scheduler section, select a preferred interval for backup execution.
7. Click **Backup Source and Exclusion** tab and configure the same accordingly.
8. Click **Backup Location** tab, select the appropriate option to save the backup file.
9. Click **Save**.
   The Backup Set will be created.

NOTE	By default, **Active** option is selected. If **Active** option is not selected, a Backup Set will be created but eScan won't backup data.

Edit Backup Set

To edit a Backup Set:

1. Select a Backup Set.
2. Click **Edit Backup Set**.
3. After making the necessary changes, click **Save**.
   The Backup Set will be edited and saved.

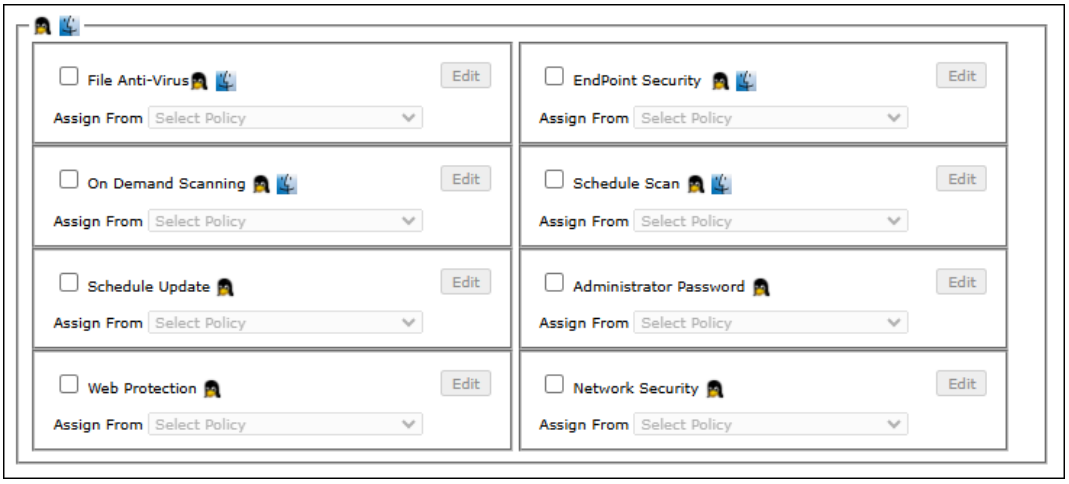
Delete Backup Set

To delete a Backup Set:

1. Select a Backup Set.
2. Click **Delete Backup Set**.
   A confirmation prompt appears.
3. Click **OK**.
   The Backup Set will be deleted.

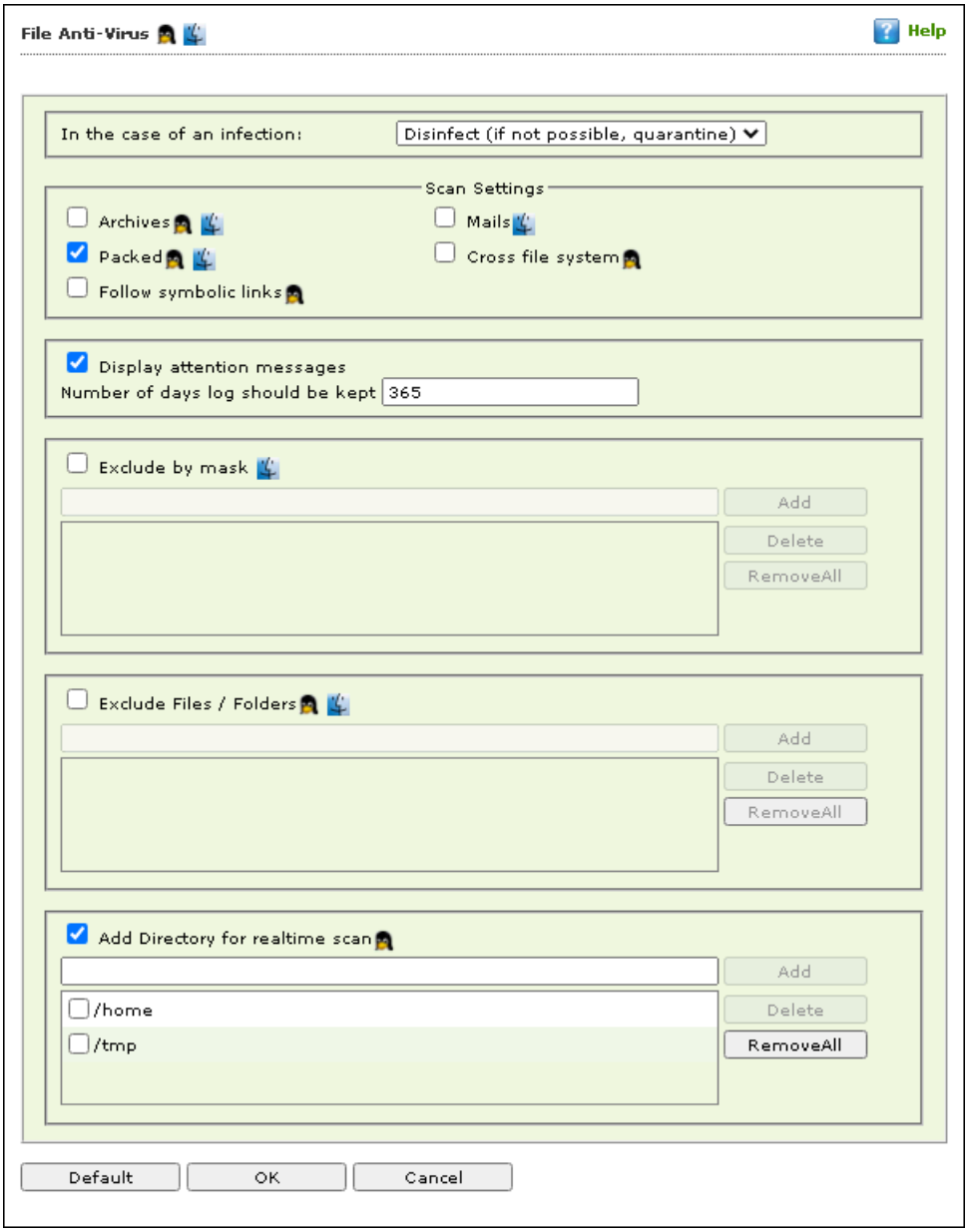
Configuring eScan Policies for Linux and Mac Computers

eScan lets you define settings for File Anti-Virus, Endpoint Security, On Demand scanning and Schedule Scan module for Linux and Mac computers connected to the network. Click **Edit** to configure the eScan module settings for computers with respective operating systems.



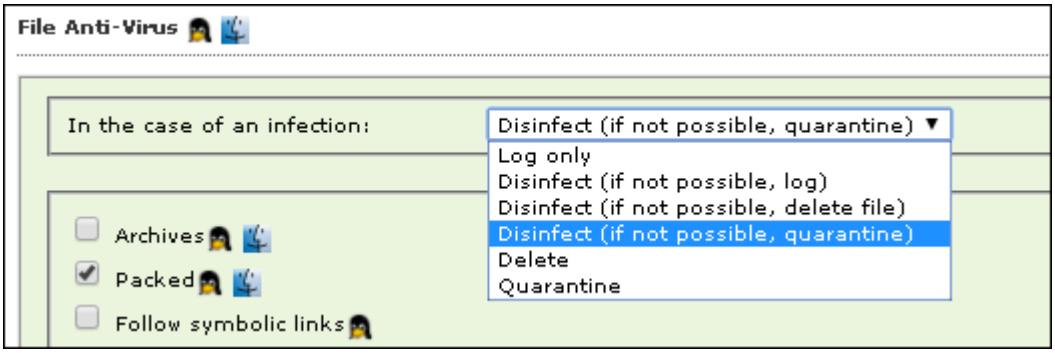
NOTE	Icons next to every module displays that the settings are valid for the respective operating systems only. It lets you define settings for Scanning; you can also define action to be taken in case of an infection. It also lets you define the number of days for which the logs should be kept as well as create list for Masks, Files or Folders to be excluded from scanning.

File Anti-Virus



Actions in case of infection [Drop-down]

It displays a list of actions eScan should take, in case of virus detection.



By default, Disinfect (if not possible, quarantine file) option is selected. Following are the types of actions:

- **Log Only:** This option indicates or alerts the user about the infection detected (No Action is taken; only logs are maintained).
- **Disinfect (if not possible, log):** This option tries to disinfect and if disinfection is not possible it logs the information of only the infected object.
- **Disinfect (if not possible, delete file):** This option tries to disinfect and if disinfection is not possible it deletes the infected object.
- **Disinfect (if not possible, quarantine file):** This option tries to disinfect and if disinfection is not possible it quarantines the infected object.
- **Delete:** This option deletes the infected object.
- **Quarantine:** This option quarantines the infected object.

Scan Settings

- **Mails -** It indicates scanning the mail files. By default, it is selected. Select this checkbox if you want eScan real-time protection to scan mails.
- **Archives -** It indicates the archived files, such as zip, rar, and so on. Select this checkbox if you want eScan real-time protection to scan archived files.
- **Packed -** It indicates the compressed executable. Select this checkbox if you want eScan real-time protection to scan packed files.
- **Cross File System** that facilitates scanning of files over cross-file systems.
- **Follow Symbolic Links:** scans the files following the symbolic links.

Exclude by Mask (file types) - Select this option if you want eScan real-time protection to exclude specific file extensions.

Exclude Folders and files - Select this option if you want eScan real-time protection to exclude Folders and files from scanning. eScan lets you add; Remove any or all Added Files or Folders whenever required.

Add Directory for Real-Time Scan - If you want eScan to perform real-time scan on any of the directories add them in this list.

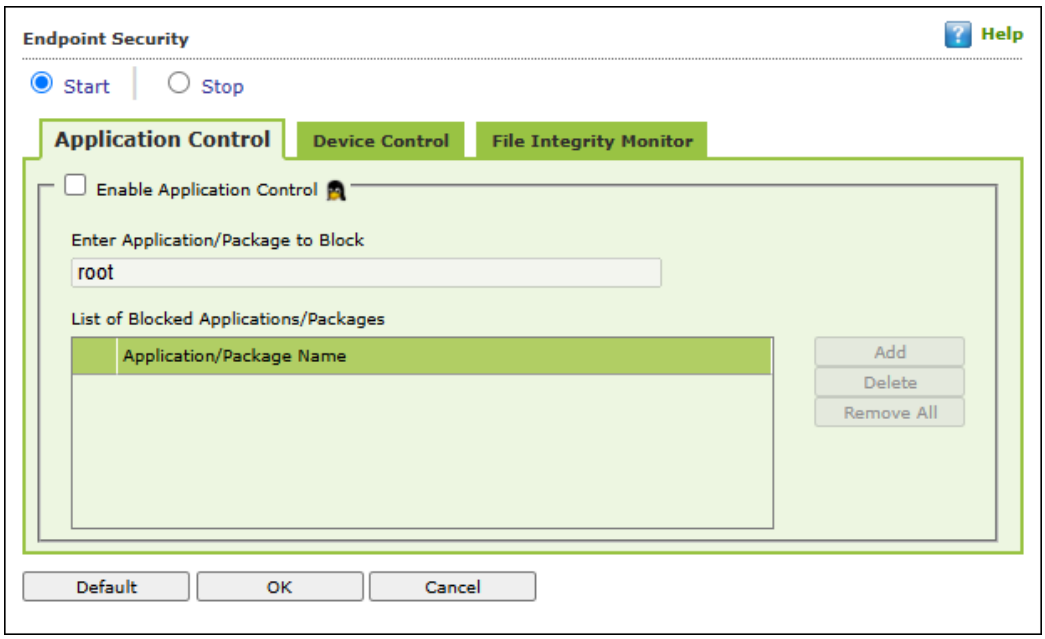
You can restore default eScan settings by clicking **Default**.

Endpoint Security

The Endpoint Security module lets you centrally manage all endpoints on your network and closely monitor all USB activities in real-time. With eScan USB control, you can prevent data theft by blocking all except your trusted USB storage devices and Stop your files from being taken away on thumb drives, iPod, mp3 players and portable USB hard drives.

Application Control

The Application Control tab allows to block the execution of application or package.

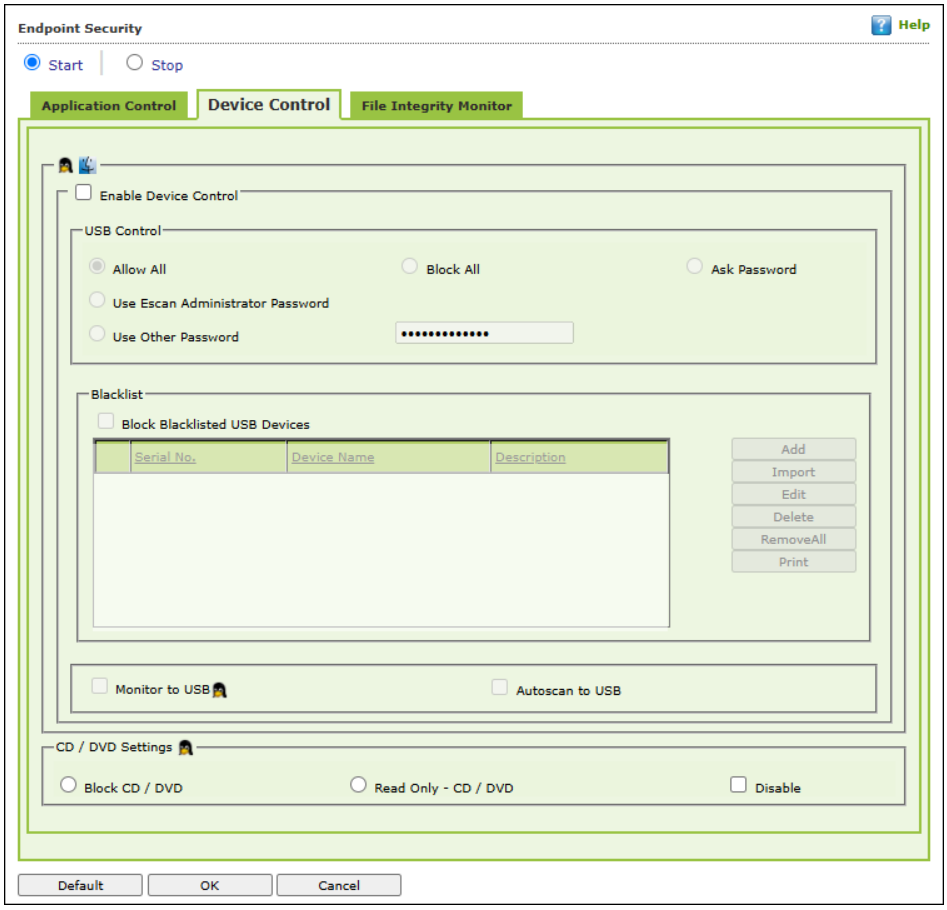


Enable Application Control
Select the checkbox to enable the application control feature.

Enter Application/Package to block
Enter the application or package name to add them in the list of application/packages blocked.
To delete the application/package, select the specific app/package and click **Delete**.
To delete all the application from the list, click **Remove All**.

Device Control

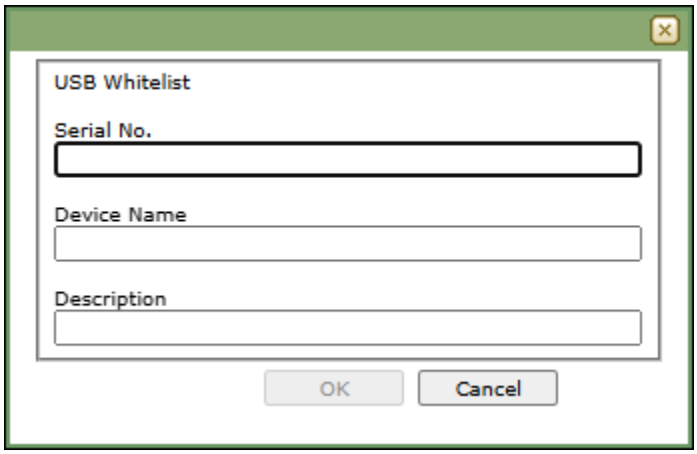
The Device Control tab enables you to allow/block the access to the USB devices and the CD/DVD in client computers.



Enable Device Control: Select this checkbox to configure the Device Control settings.

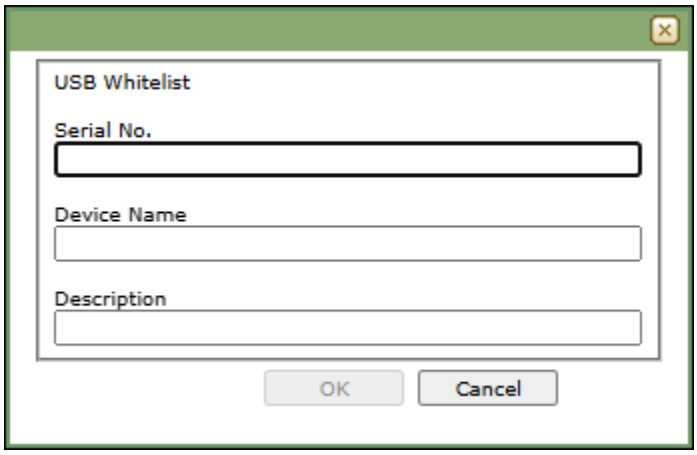
- **USB Control**: This option lets you allow, block, or set password for the USB device connected to the endpoint. It has following options:
    - **Allow All:** Select this option to allow all the connected USB devices.
    - **Block All:** Select this option to block all the connected USB devices.
    - **Ask Password:** Select this option to set password for the connected USB devices. This will ask password before allowing USB devices to connect to the system. You can either set a password or use the administrator password using the options **Use Other Password** and **Use Escan Administrator Password** respectively.
- **Blacklist:** This option lets you add USB devices to the blacklist. You can add, delete, modify USB devices using the following options:

- **Add:** Use this button to enter USB serial number, name, and description of the USB devices in order to blacklist it.



- **Import:** It allows you to blacklist multiple USB devices at once using CSV file.
- **Edit:** It allows you to edit the details of the USB devices.
- **Delete**: It allows you to remove the USB device from the list.
- **Remove All**: It allows you to remove all the USB devices from the list.
- **Print**: It allows you to print the USB device list along with their details.

- **Whitelist:** This option lets you add USB devices to the whitelist. You can add, delete, modify USB devices using the following options:
  - **Add:** Use this button to enter USB serial number, name, and description of the USB devices in order to whitelist it.



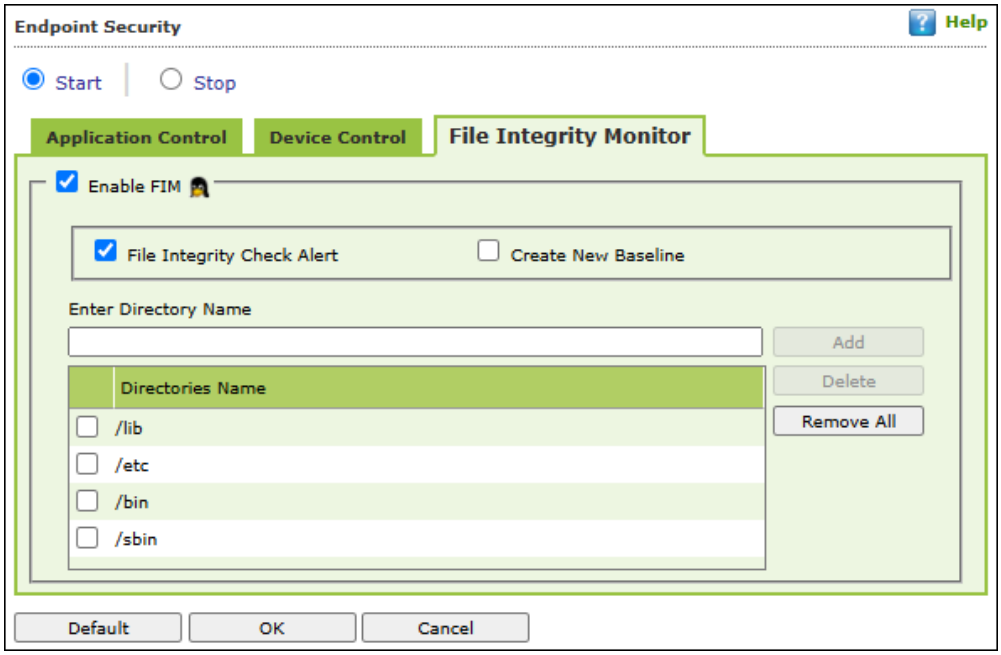
  - **Import:** It allows you to whitelist multiple USB devices at once using CSV file.
  - **Edit:** It allows you to edit the details of the USB devices.
  - **Delete**: It allows you to remove the USB device from the list.
  - **Remove All**: It allows you to remove all the USB devices from the list.
  - **Print**: It allows you to print the USB device list along with their details.

- **Monitor to USB:** Select this checkbox to monitor all the USB devices connected to the endpoints.
- **Autoscan to USB**: Select this option to auto-scan all the USB devices connected to the endpoints.

CD/DVD Settings
This option lets administrator to block, allow, and disable the CD/DVD settings. You have following options to configure:

- **Block CD/DVD:** This option blocks CD/DVD inserted in the computer.
- **Read Only CD/DVD:** This option allows limited (only reading) access to the user for the data stored in inserted CD/DVD.
- **Disable:** This option disables the configured settings for CD/DVD.

File Integrity Monitor



Enable FIM
Select this checkbox to enable the File Integrity Monitor option.

- **File Integrity Check Alert**: This checkbox will check the file integrity and alert the admin accordingly.
- **Create New Baseline**: This checkbox will create a baseline for the selected directories and the FIM will begin monitoring changes for the selected directories.

Enter Directory Name
Enter the directory name to add it to the integrity monitoring.

You can also select the directory name from the pre-defined list in the below table to add them to monitoring.

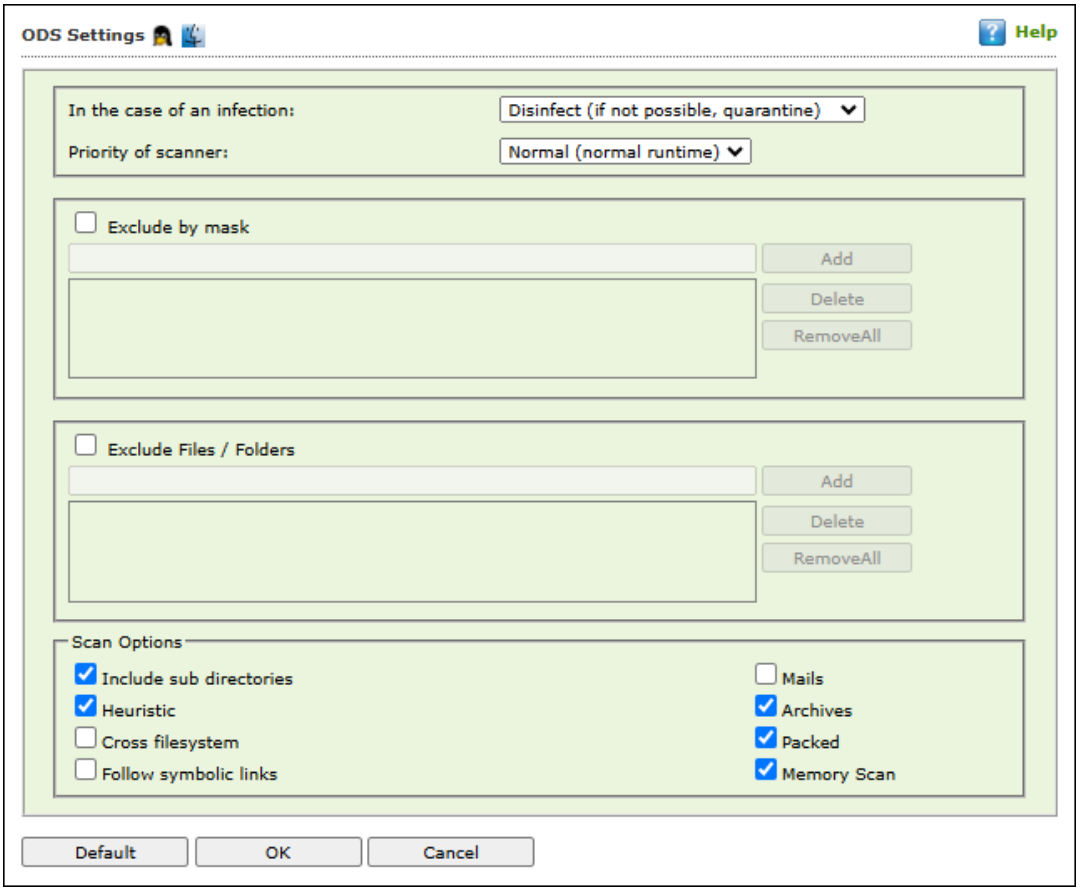
To delete a specific directory from monitoring, select the directory, and click **Delete**.

To remove all the directory from monitoring, click **Remove All**.

Default
This button will reset all the settings of the window to their default values.

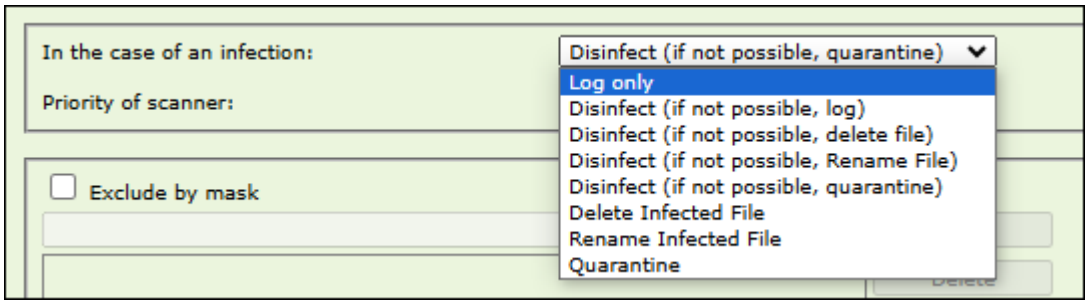
ODS Settings

With ODS Settings you can define actions in case of infection, you can also define list of files by mask, Files or Folders to be excluded from Scanning. It also lets you configure settings for various other Scan options like Include Sub directories, Mails, Archives Heuristic Scanning etc. by selecting respective options.



Actions in the case of infection [Drop-down]

It indicates a type of action which you want eScan real-time protection to take, in case of virus detection.



By default, Disinfect (if not possible, quarantine file) option is selected. Following actions can be taken:

- **Log Only:** It indicates or alerts the user about the infection detected.

- **Disinfect (if not possible, log):** It tries to disinfect and if disinfection is not possible it logs the information of only the infected object.
- **Disinfect (if not possible, delete file):** It tries to disinfect and if disinfection is not possible it deletes the infected object.
- **Disinfect (if not possible, Rename file):** It tries to disinfect and if disinfection is not possible it renames the infected object.
- **Disinfect (if not possible, quarantine):** It tries to disinfect and if disinfection is not possible it quarantines the infected object.
- **Delete Infected File:** It deletes the infected object.
- **Rename Infected File:** It renames the infected object.
- **Quarantine:** It quarantines the infected object.

Priority of Scanner – You can select the priority of scanning as **High (short runtime)**, **Normal (normal runtime)**, or **Low (long runtime)**.

- **High (short runtime)** – Has a short runtime.
- **Normal (normal runtime)** – Has a normal runtime.
- **Low (long runtime)** – Has a long runtime.

Exclude by Mask – Select this checkbox if you want eScan real-time protection to exclude specific files, and Remove any or all Added Files whenever required.

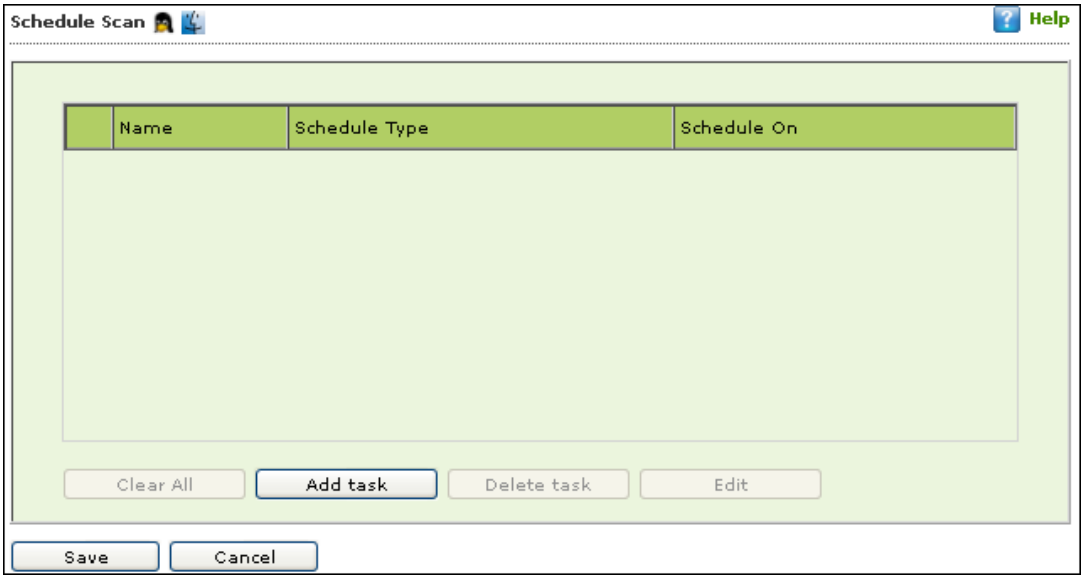
Exclude Files / Folders – Select this checkbox if you want eScan real-time protection to exclude Folders and files from scanning. eScan lets you add; Remove any or all Added Files or Folders whenever required during On Demand Scanning.

Scan options

- **Include Sub Directories [Default]** – This option ensures eScan scans all the sub directories recursively under every directory and not only the first level of directories.
- **Heuristic [Default]** – Heuristic scanning is almost identical to signature scanning, which instead of looking for specific signatures looks for certain instructions or commands within a program/application. This results in the detection of potentially malicious function in program/application.
- **Cross File System** – that facilitates scanning of files over cross-file systems.
- **Follow Symbolic Links** – scans the files following the symbolic links.
- **Mails** – It indicates scanning the mail files. Select this checkbox if you want eScan real-time protection to scan mails.
- **Archives [Default]** – It indicates the archived files, such as zip, rar, and so on. Select this checkbox if you want eScan real-time protection to scan archived files.
- **Packed [Default]** – It indicates the compressed executable.
- **Memory / Services [Default]** – This option ensures eScan scans the system's memory for any infection from malwares.

You can restore default eScan settings by clicking **Default**.

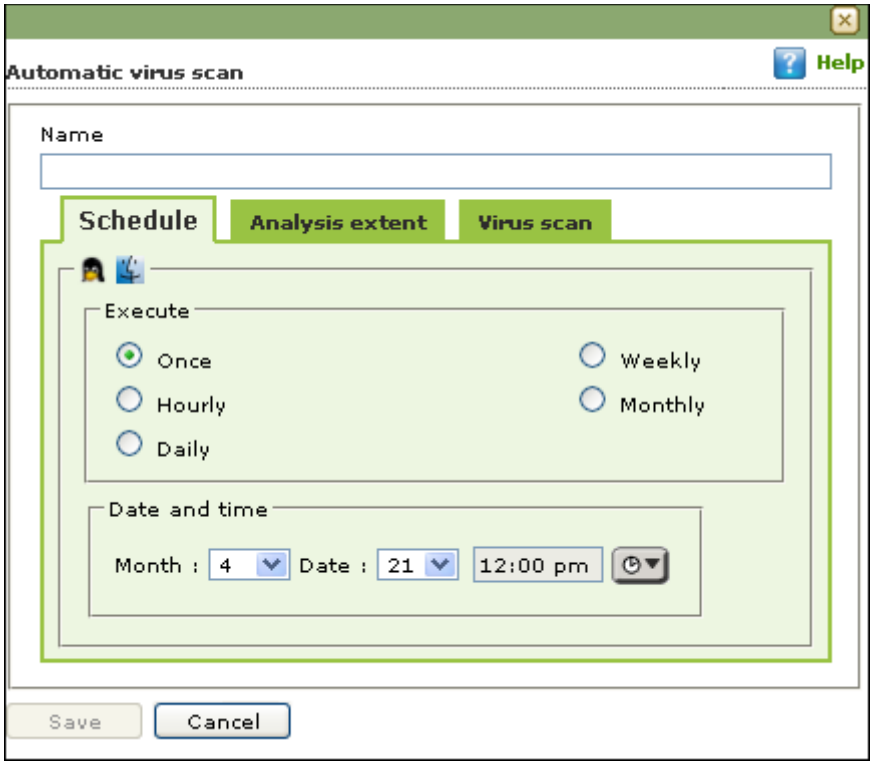
Schedule Scan



It lets you add a task for scheduling a scan.
Adding a task - It lets you schedule and define options for Analysis extent and the files or folders to be scanned.

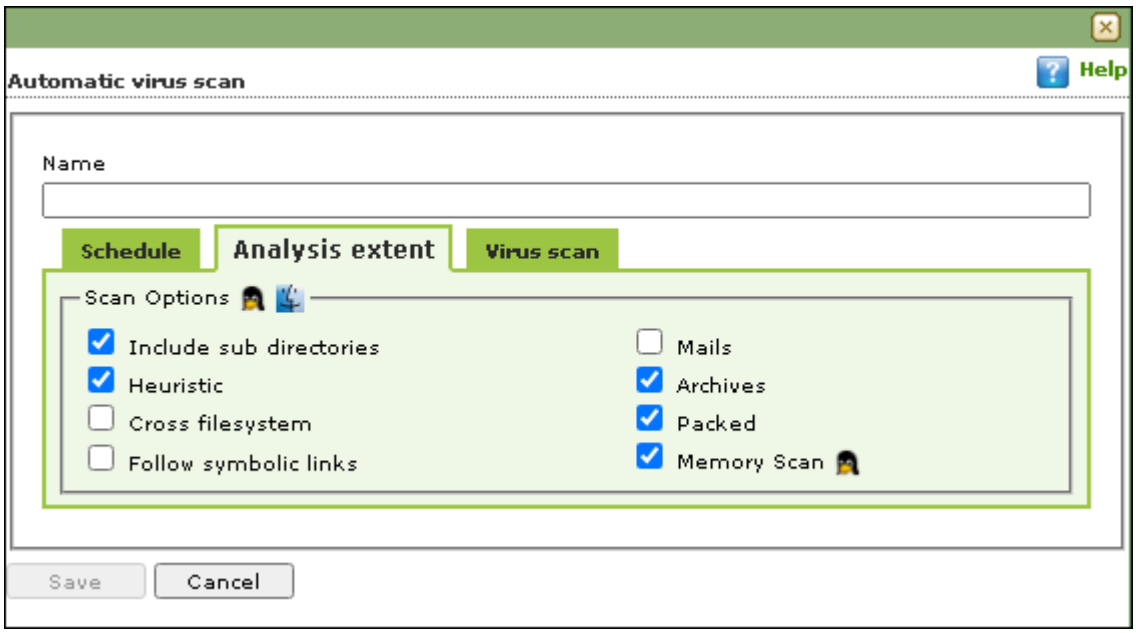
Automatic Virus Scan

Schedule



Using this tab you can define the task name and schedule it as desired. You can schedule the scan once, weekly basis, every hour, monthly or daily. It also lets you schedule virus scan at desired date and time.

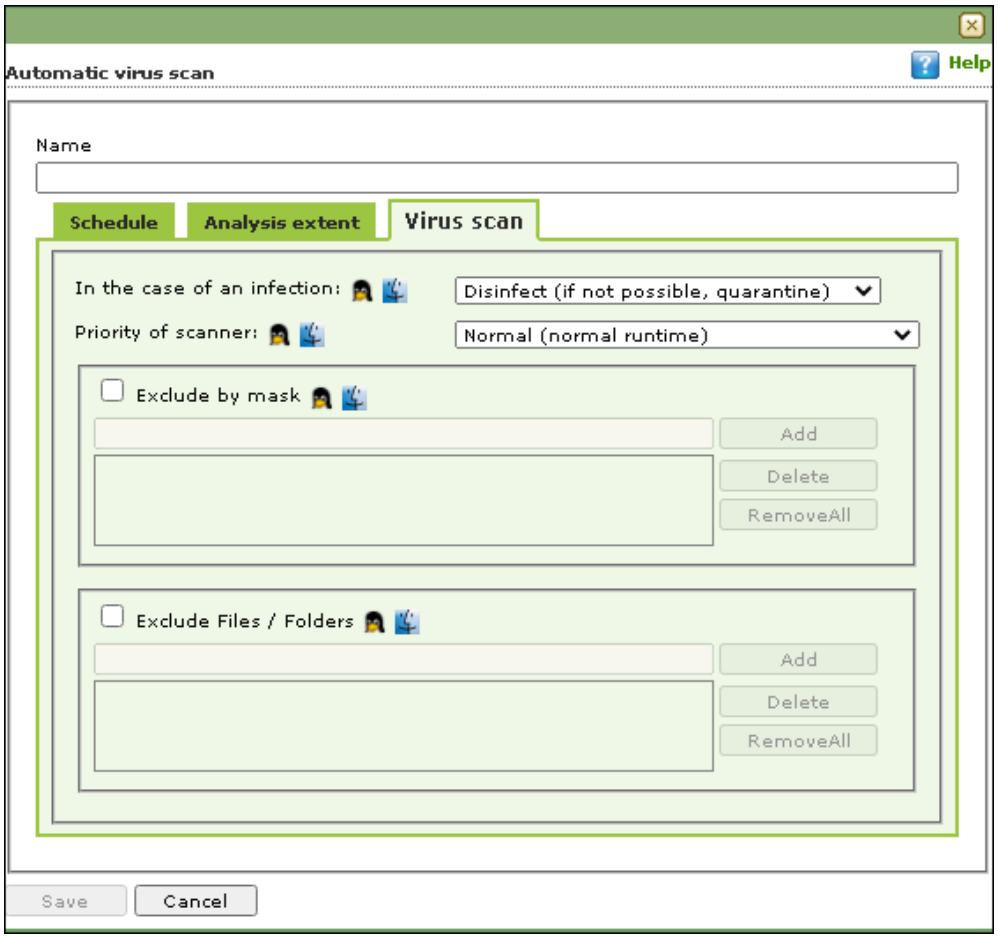
Analysis Extent



Using this tab you can define the scan options for Linux and Mac computers connected to the network.

- **Include sub Directories [Default]** – This option lets you include sub directories while conducting an automatic scan.
- **Heuristic Scan [Default]** – Heuristic scanning is almost identical to signature scanning, which instead of looking for specific signatures looks for certain instructions or commands within a program/application. This results in the detection of potentially malicious function in program/application.
- **Cross File System -** facilitates scanning of files over cross-file systems.
- **Follow symbolic links -** scans the files following the symbolic links.
- **Mails -** It indicates scanning the mail files. By default, it is selected. Select this checkbox if you want eScan real-time protection to scan mails.
- **Archives [Default] -** It indicates the archived files, such as zip, rar, and so on. Select this checkbox if you want eScan real-time protection to scan archived files.
- **Packed [Default] -** It indicates the compressed executable. Select this checkbox if you want eScan real-time protection to scan packed files.
- **Memory / Services [Default] -** This option will only scan the memory of the system.

Virus Scan



Actions in case of Infection [Drop-down]
It displays a list of actions eScan should take, in case of virus detection. By default, Disinfect (if not possible, quarantine file) option is selected. Following are the types of actions:

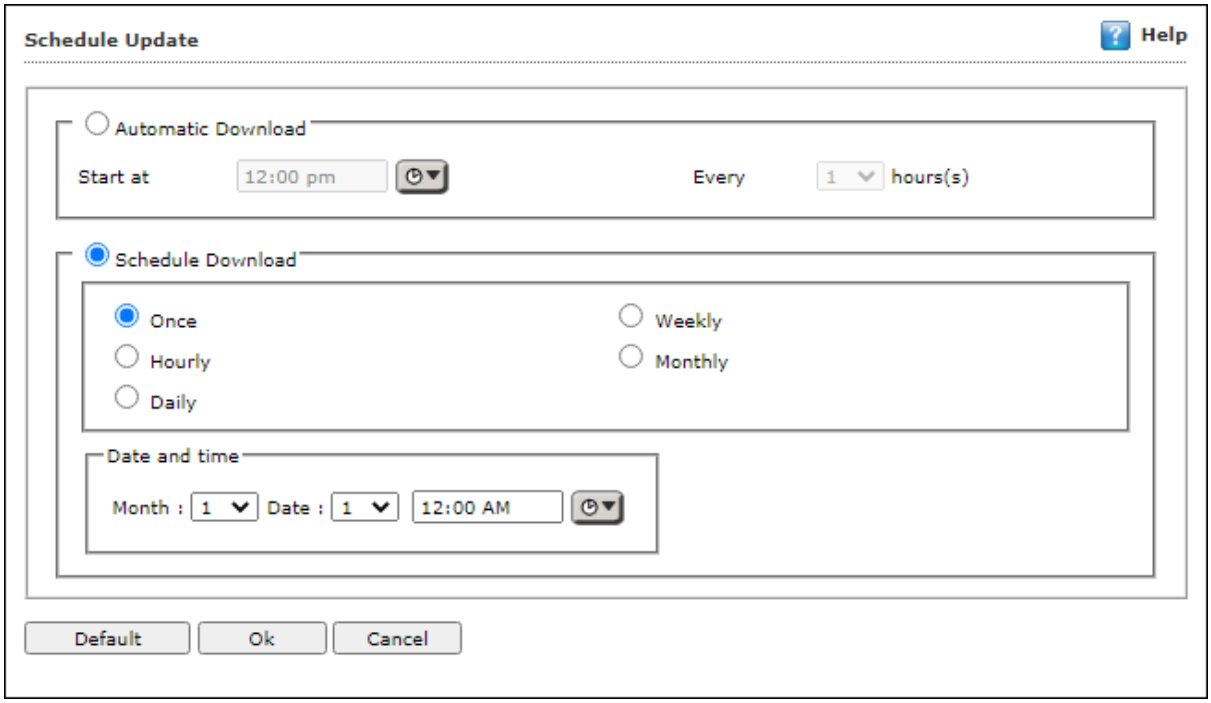
- **Log Only:** It indicates or alerts the user about the infection detected.
- **Delete Infected File:** Infected objects are deleted with this option.
- **Rename Infected File:** This option allows you to rename the infected files.
- **Quarantine:** Infected objects are quarantined with this option.
- **Disinfect (if not possible, log):** It tries to disinfect and if disinfection is not possible it logs the information of only the infected object.
- **Disinfect (if not possible, delete file):** It tries to disinfect and if disinfection is not possible it deletes the infected object.
- **Disinfect (if not possible, quarantine):** It tries to disinfect and if disinfection is not possible it quarantines the infected object.
- **Disinfect (if not possible, Rename file):** It tries to disinfect and if disinfection is not possible it renames the infected object.

Exclude by Mask - Select this checkbox if you want eScan real-time protection to exclude specific files, and then add the directories and files that you want to exclude by clicking **Add**. eScan lets you Remove any or all Added Files whenever required.

Exclude Files / Folders - Select this checkbox if you want eScan real-time protection to exclude Folders and files from scanning. eScan lets you add; Remove any or all Added Files or Folders whenever required.

Schedule Update

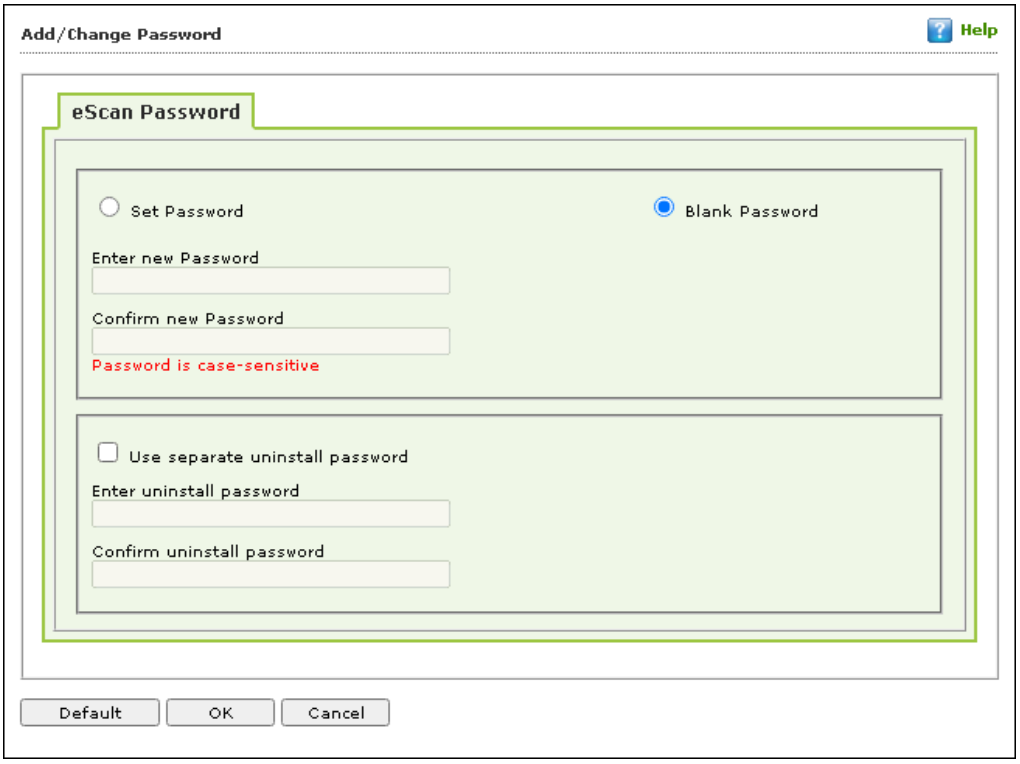
This module lets you schedule the updates for Linux computers.



- The updates can be downloaded automatically with **Automatic Download** option.
- The updates can be downloaded on a schedule basis with **Schedule Download** option. Select intervals and time basis as per your preferences.

Administrator Password

Administrator Password lets you create and change password for administrative login of eScan protection center for Linux computers. It also lets you keep the password as blank, wherein you can login to eScan protection center without entering any password. It also lets you define uninstallation password which will be required before uninstalling eScan Client from managed computers manually. The user will not be able to uninstall eScan Client without entering uninstallation password.



To Add/Change eScan administrator password:

Set Password
Click this option, if you want to set password.

Blank Password
Click this option, if you do not want to set any password for login.
When you click this option, the **Enter new Password** and **Confirm new Password** fields become unavailable.

Enter new Password
Enter the new password.

Confirm new Password
Re-enter the new password for confirmation.

Use separate uninstall password
Click this option, if you want to set password before uninstallation of eScan Client.

Enter uninstall Password
Enter the uninstallation password.

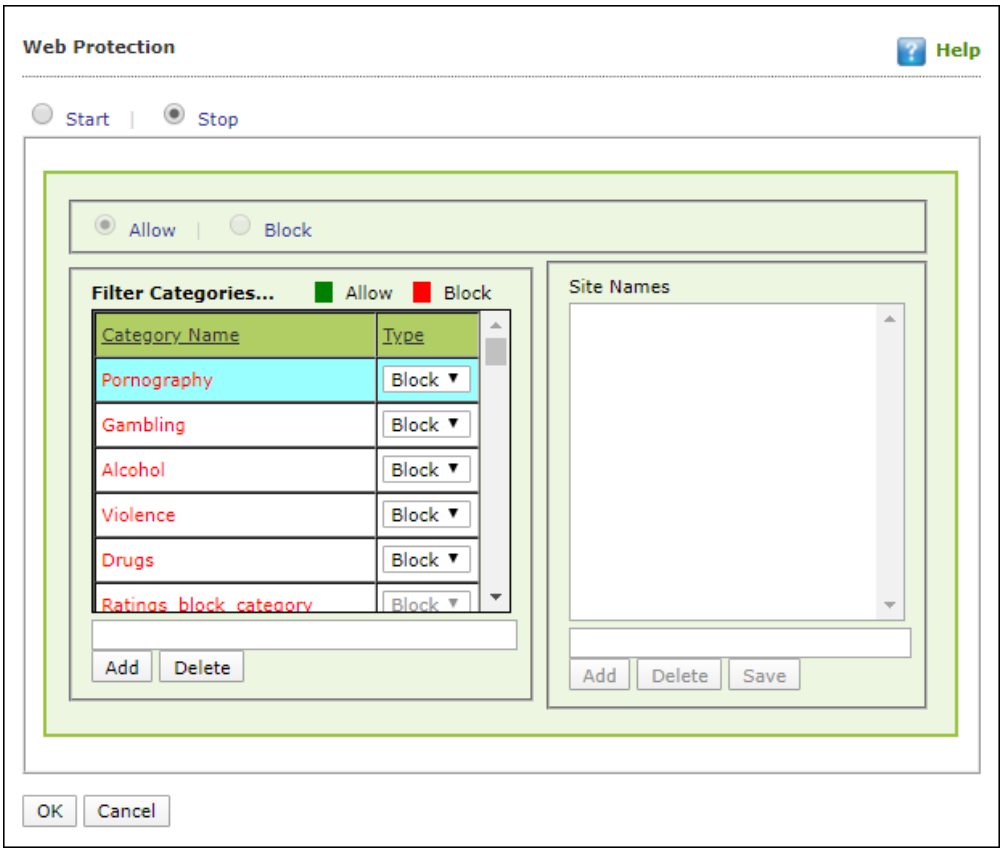
Confirm uninstall Password
Re-enter the uninstallation password for confirmation.

After filling all fields, click **OK**. The Password will be saved.

Web Protection

Web Protection module lets you block websites containing pornographic or offensive material for Linux computers. This feature is extremely beneficial to parents because it prevents kids from accessing websites containing harmful or restricted content. Administrators can also use this feature to prevent employees from accessing non-work-related websites during work hours. You can configure the following settings:

Start/Stop
It lets you enable/disable **Web-Protection** module. Click the appropriate option.



You can configure the following settings.

Filtering Options

This tab has predefined categories that help you control access to the Internet.

Status
This section lets you allow or block access to specific websites based on Filter Categories. You can set the status as **Active** or **Block** web access. Select the **Block Web Access** option if you want to block all the websites except the ones that have been listed in the **Filter Categories**. When you select this option, only **Filtering Options** and **Pop-up Filter** tabs are available.

Filter Categories
This section uses the following color codes for allowed and blocked websites.

- **Green**: It represents an allowed websites category.

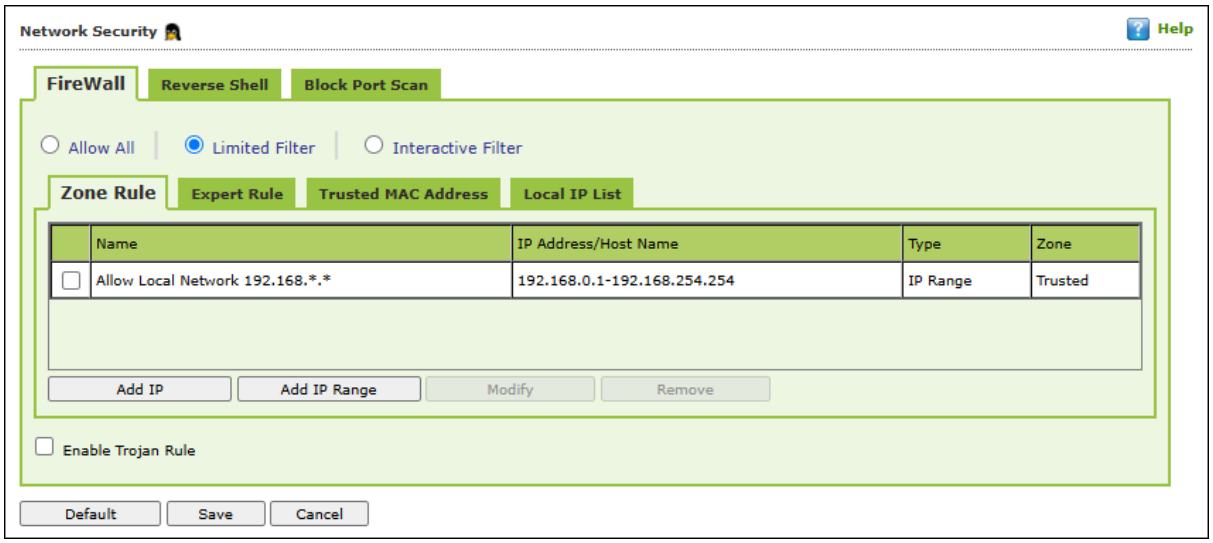
- **Red**: It represents a blocked websites category.
  The filter categories used in this section include categories like Pornography, Gambling, Chat, Alcohol, Violence, Drugs, Ratings block category, Websites Allowed, etc. You can also add or delete filter categories depending on your requirement.

Category Name

This section shows the **Words/Phrases** list. It lists the words or phrases present in the selected category. In addition, the section displays the **Site Names** list, which lists the websites belonging to the selected category. You can also add or delete filter categories depending on your requirement.

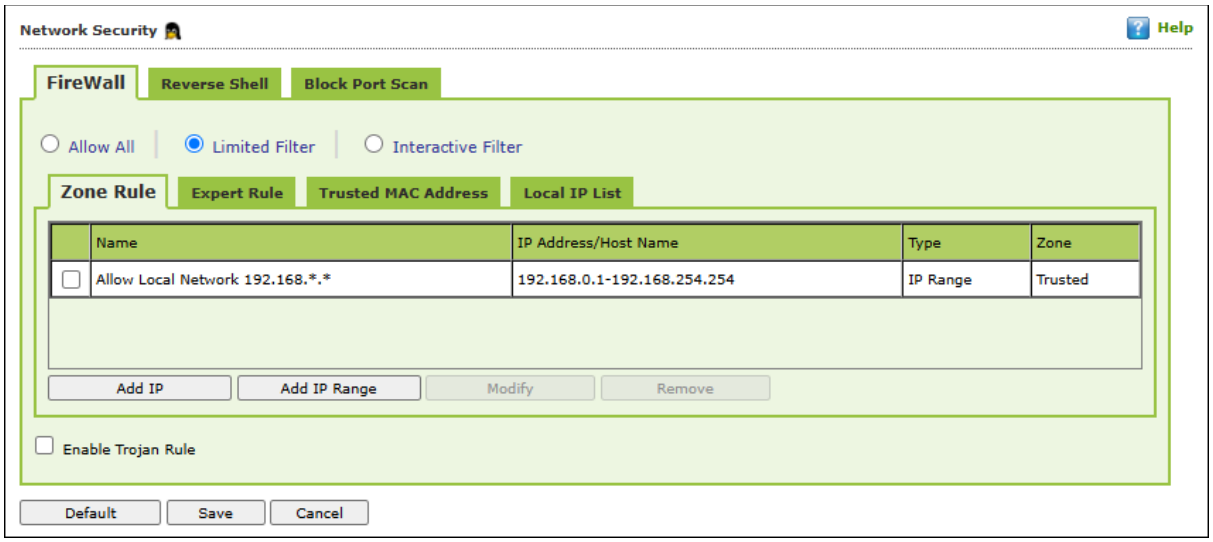
Network Security

Network Security module helps to set Firewall configuration to monitor all incoming and outgoing network traffic and protect your computer from all types of network based attacks. It also prevents the Reverse Shell Exploits and blocks the Port Scan. Enabling this features will prevents Zero-day attacks and all other cyber threats.



Firewall

This tab is designed to monitor all incoming and outgoing network traffic and protect your endpoint from all types of network based attacks. eScan includes a set of predefined access control rules that you can remove or customize as per your requirements. These rules enforce a boundary between your computer and the network. These rules include Zone Rules, Expert Rules, Trusted Media Access Control (MAC) Address, and Local IP list.



You can configure the following settings to be deployed to the eScan client systems.
Allow All – Clicking **Allow All** disables the eScan Firewall i.e. all the incoming and outgoing network traffic will not be monitored/filtered.

Limited Filter – Clicking **Limited Filter** enables eScan Firewall in limited mode which will monitor all incoming traffic only and will be allowed or blocked as per the conditions or rules defined in the Firewall.

Interactive – Clicking **Interactive** enables eScan Firewall to monitor all the incoming and outgoing network traffic and will be allowed or blocked as per the conditions or rules defined in the Firewall.

Following tabs are available:

- **Zone Rule**
- **Expert Rule**
- **Trusted MAC Address**
- **Local IP List**

Zone Rule

This is a set of network access rules to make the decision of allowing/blocking of the access to the system. This will contain the source IP address or source Host name or IP range either to be allowed or blocked. The following buttons are available for configuring zone rule:

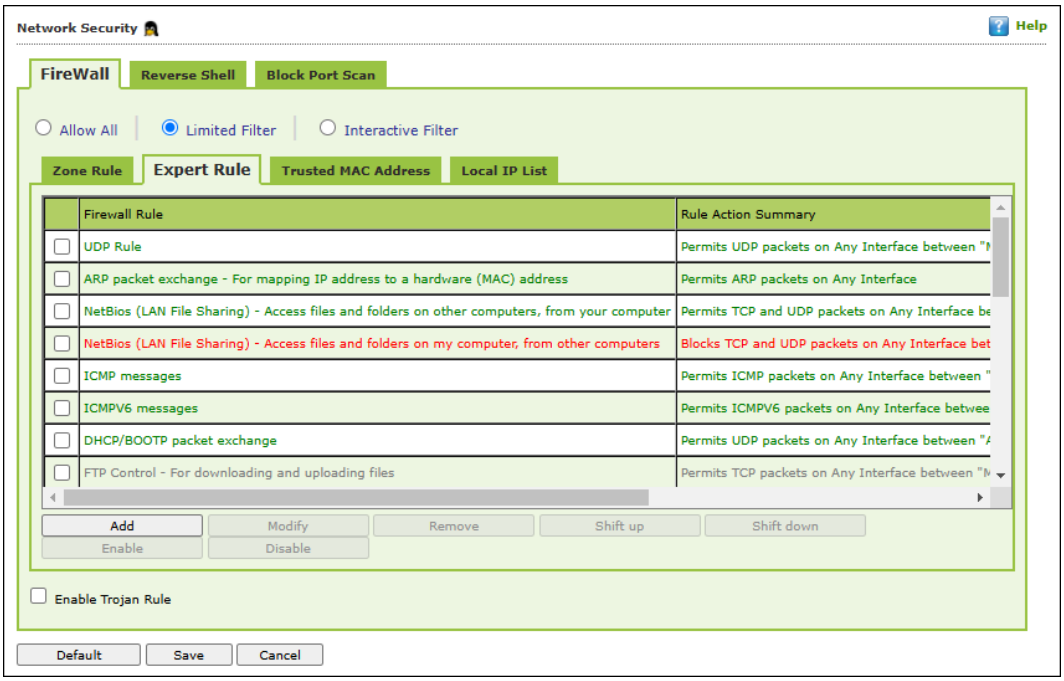
- **Add IP** – This option lets you add an IP address of a system to be added in the zone rule. After clicking **Add IP**, enter the IP address of the system, select the zone (Trusted/Blocked) and enter a name for the zone rule. Click **OK** to create the Zone Rule.
- **Add IP Range** – This option lets you add an IP range to be added in the zone rule. After clicking **Add IP Range**, add the IP Range (i.e. a range of IP that the zone rules should be

applied), select the zone (Trusted/Blocked) and enter a name for the zone rule. Click **OK** to create the zone rule.

- **Modify –** To modify/change any listed zone rule(s), select the zone rule to be modified and then click **Modify**.
- **Remove -** To remove any listed zone rule(s), select the zone rule and then click **Remove**.

Expert Rule

This tab lets you specify advanced rules and settings for the eScan firewall. You can configure expert rules on the basis of the various rules, protocols, source IP address and port, destination IP address and port, and ICMP types. You can create new expert rules.

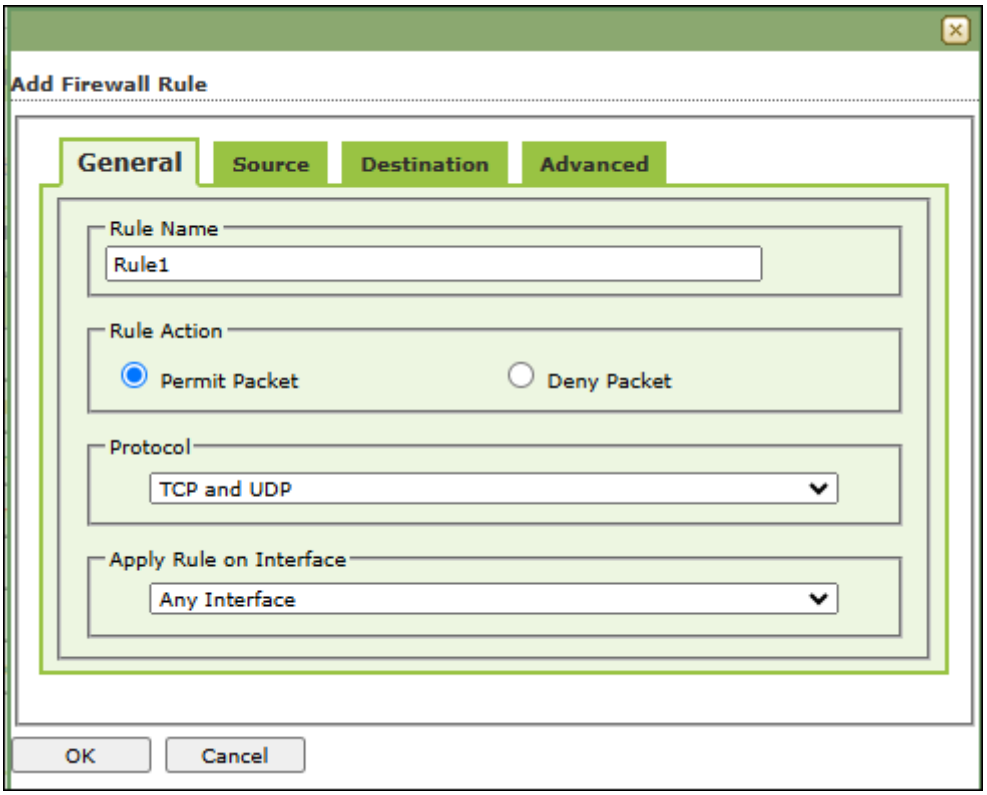


However, configure these rules only if you are familiar with firewalls and networking protocols.

- Source IP Address/Host Name
- Source Port Number
- Destination IP Address/Host Name
- Destination Port Number

The following buttons are available to configure an Expert Rule:

1. **Add** – Click **Add** to create a new Expert Rule. In the Add Firewall Rule Window:



General tab

In this section, specify the Rule settings:

Rule Name – Provide a name to the Rule.

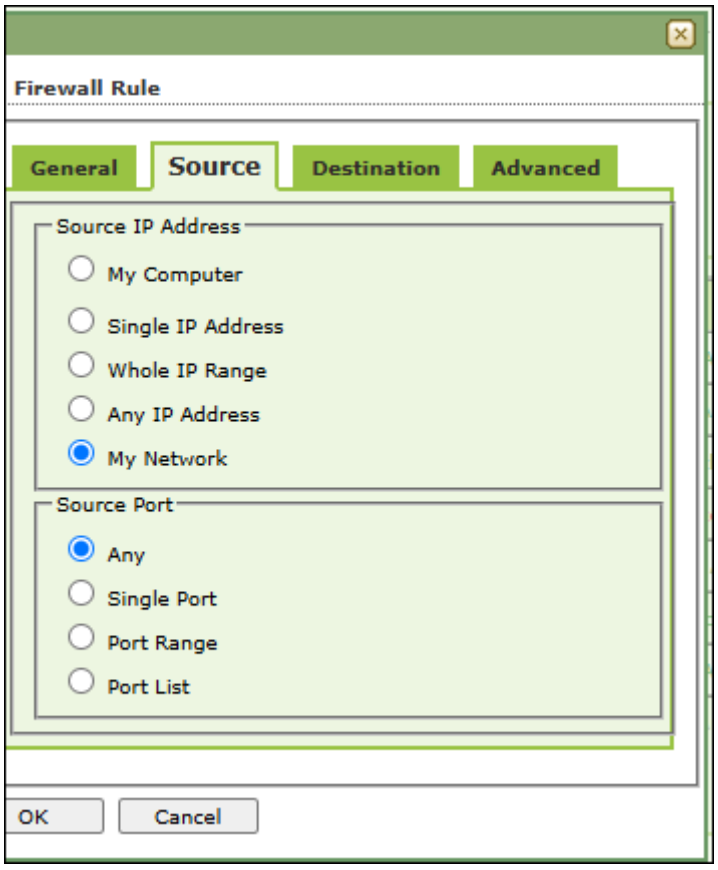
Rule Action – Action to be taken, whether to Permit Packet or Deny Packet.

Protocol – Select the network protocol (e.g. TCP, UDP, ARP) on which the Rule will be applied.

Apply rule on Interface – Select the Network Interface on which the Rule will be applied.

Source tab

In this section, specify/select the location from where the outgoing network traffic originates.



Source IP Address:

My Computer – The rule will be applied for the outgoing traffic originating from your computer.

Single IP Address – The rule will be applied for the outgoing traffic originating from the computer as per the IP address specified.

Whole IP Range – To enable the rule on a group of computers in series, you can specify a range of IP address. The rule will be applied for the outgoing traffic from the computer(s) which is within the defined IP range.

Any IP Address – When this option is selected, the rule will be applied for the traffic originating from ANY IP address.

My Network – The rule will be applied for the outgoing traffic to the networked computer(s).

Source Port:

Any – When this option is selected, the rule gets applied for outgoing traffic originating from any port.

Single Port – When this option is selected, the rule gets applied for the outgoing traffic originating from the specified/defined port.

Port Range – To enable the rule on a group of ports in series, you can specify a range of ports. The rule will be applied for the outgoing traffic originating from the port which is within the defined range of ports.

Port List – A list of port can be specified. The rule will be applied for the outgoing traffic originating from the ports as per specified in the list.

NOTE	The rule will be applied when the selected Source IP Address and Source Port matches together.

Destination tab

In this section, specify/select the location of the computer where the incoming network traffic is destined.

Destination IP Address:

My Computer – The rule will be applied for the incoming traffic to your computer.

Single IP Address – The rule will be applied for the incoming traffic to the computer as per the IP address specified.

Whole IP Range – To apply the rule on a group of computers in series, you can specify a range of IP address. The rule will be applied for the incoming traffic to the computer(s) which is within the defined IP range.

Any IP Address – When this option is selected, the rule will be applied for the incoming traffic to ANY IP Addresses.

My Network – The rule will be applied for the incoming traffic to the networked computer(s).

Destination IP Port:

Any – After selecting this option, the rule will be applied for the incoming traffic to ANY port.

Single Port – After selecting this option, the rule will be applied for the incoming traffic to the specified/defined port.

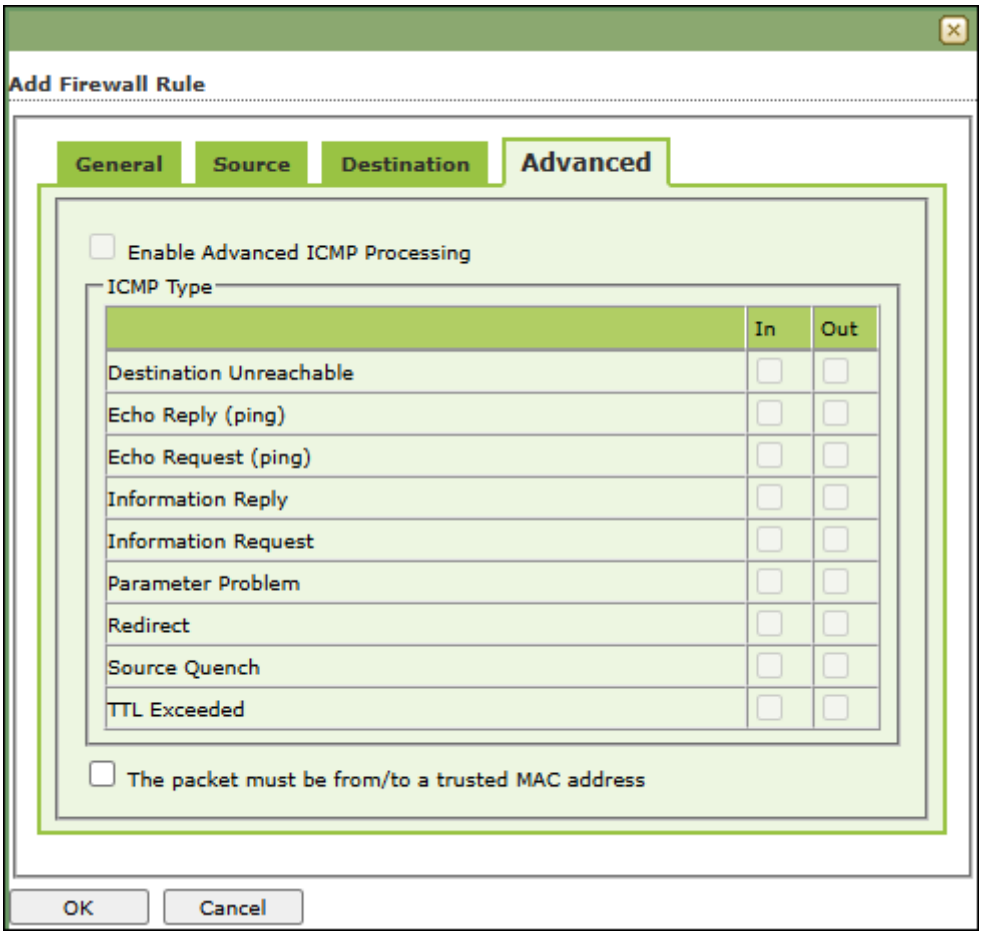
Port Range – To enable the rule on a group of ports in series, you can specify a range of ports.

Port List – A list of port can be specified/added. The rule will be applied for incoming traffic originating from the ports as per specified in the list.

NOTE	The rule will be applied when the selected Destination IP Address and Destination Port matches together.

Advanced tab

This tab contains advance setting for Expert Rule.



Enable Advanced ICMP Processing - This is activated when the ICMP protocol is selected in the General tab.

The packet must be from/to a trusted MAC address – When this option is selected, the rule will only be applied on the MAC address defined/listed in the Trusted MAC Address tab.

Use the following buttons in this tab as and when required:

Modify – Clicking **Modify** lets you modify any Expert Rule.

Remove – Clicking **Remove** lets you delete a rule from the Expert Rule.

Shift Up and Shift Down– The UP and DOWN arrow button will enable to move the rules up or down as required and will take precedence over the rule listed below it.

Enable Rule/Disable Rule – These buttons lets you enable or disable a particular selected rule from the list.

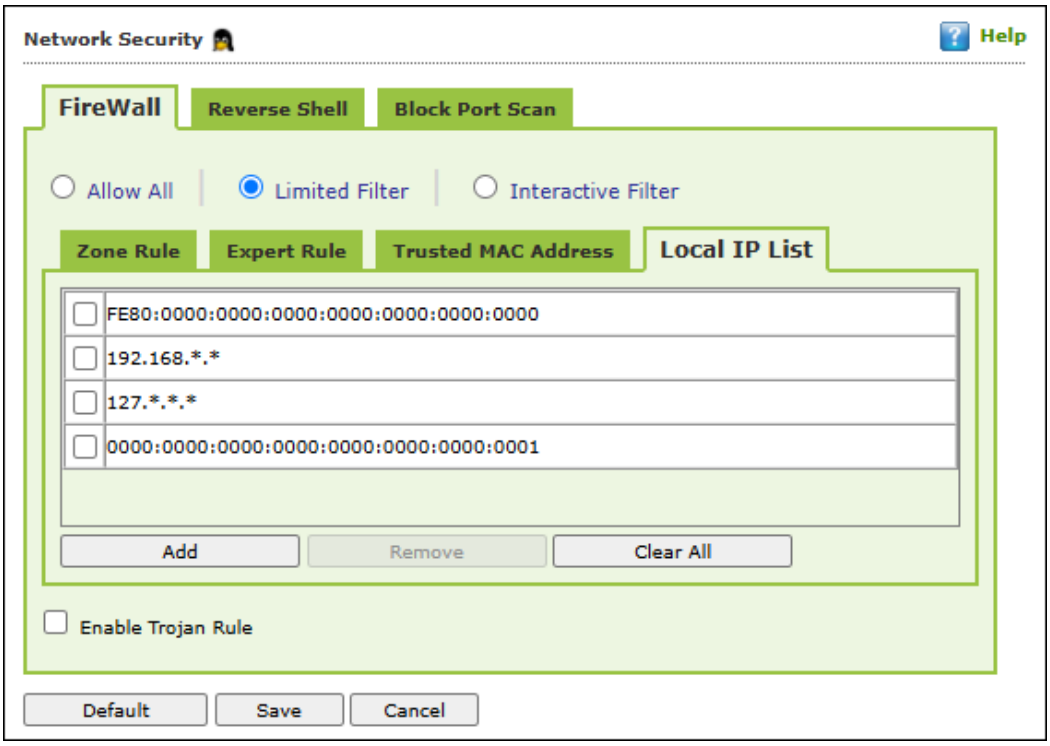
Trusted MAC Address

This section contains the information of the MAC address of the system. A MAC address is a hardware address that uniquely identifies each node of a network. The Trusted MAC address list will be checked along with the Expert Rule only when "The packet must be from/to a trusted MAC address" option is checked and the action will be as per specified in the rule. (Refer to the *Advance Tab* of the Expert Rule). The following buttons are available to configure the Trusted Mac Address:

- **Add –** To add a MAC address click on this button. Enter the MAC address to be added in the list for e.g. 00-13-
- **Edit –** To modify/change the MAC Address, click **Edit**.
- **Remove –** To delete the MAC Address, click **Remove**.
- **Clear All –** To delete the entire listed MAC Address, click **Clear All**.

Local IP List

This section contains a list of Local IP addresses.

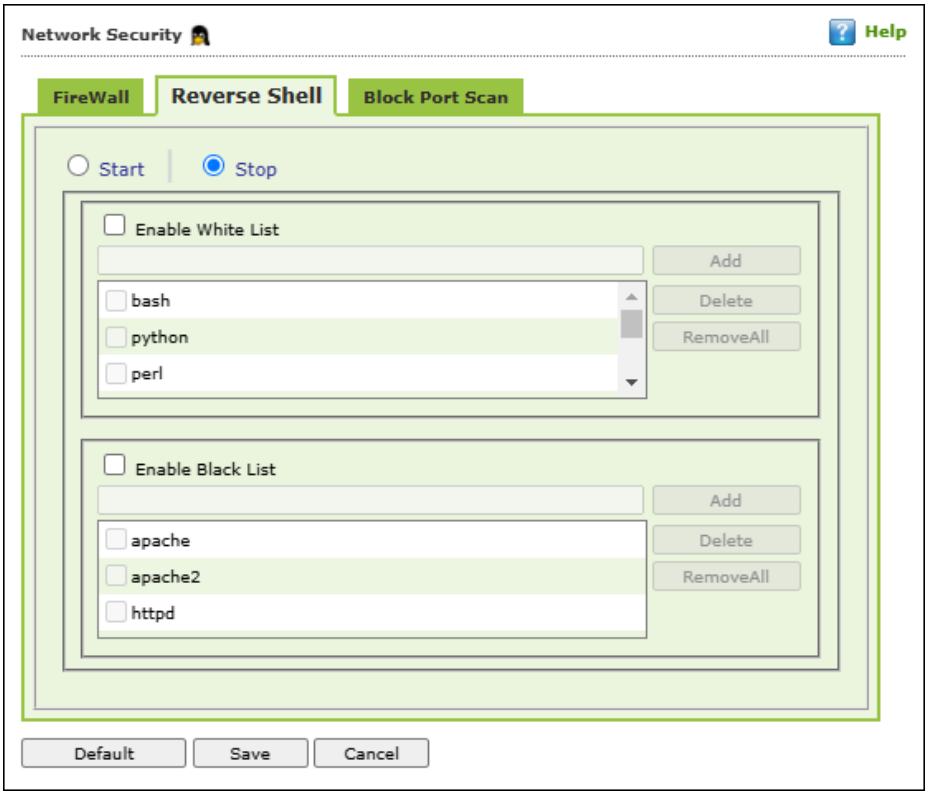


Add – To add a local IP address, click **Add**.
Remove – To remove a local IP address, click **Remove**.
Clear All – To clear all local IP addresses, click **Clear All**.

Enable Trojan Rule
Select this checkbox, to enable the Trojan Rule.

Reverse Shell

This tab allows you to block the reverse shell attacks by blocking the script languages that the attackers use to initiate remote shell connection with the networked endpoint.



Start/Stop

It allows you enable/disable **Network Security** module.

After enabling this, you can configure the following settings:

Enable White List

Select this checkbox to whitelist the trusted script languages, such as bash, Python, Perl, and more. You can add and delete the script languages from whitelisting.

- **Add**: To add a script language, select the language and click **Add**.
- **Delete**: To delete a script language, select a language and click **Delete**.
- **Remove All**: To remove all the whitelisted script language, click **Remove All**.

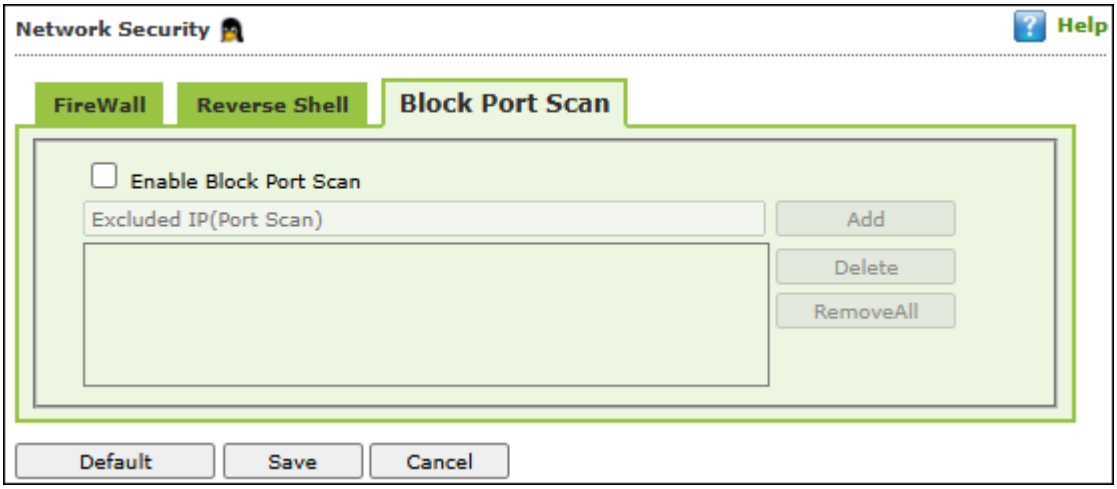
Enable Black List

Select this checkbox to blacklist the untrusted and risky script languages.

- **Add**: To add a script language, select the language and click **Add**.
- **Delete**: To delete a script language, select a language and click **Delete**.
- **Remove All**: To remove all the blacklisted script language, click **Remove All**.

Block Port Scan

This tab allows admin to configure the port scan option.



Enable Block Port Scan

Select this checkbox to enable the port scan option. You can add and delete the IP addresses that need to exclude from the port scan.

- **Add**: To add an IP, enter the IP address and click **Add**.
- **Delete**: To delete an IP, select the IP address and click **Delete**.
- **Remove All**: To remove all the excluded IP addresses, click **Remove All**.

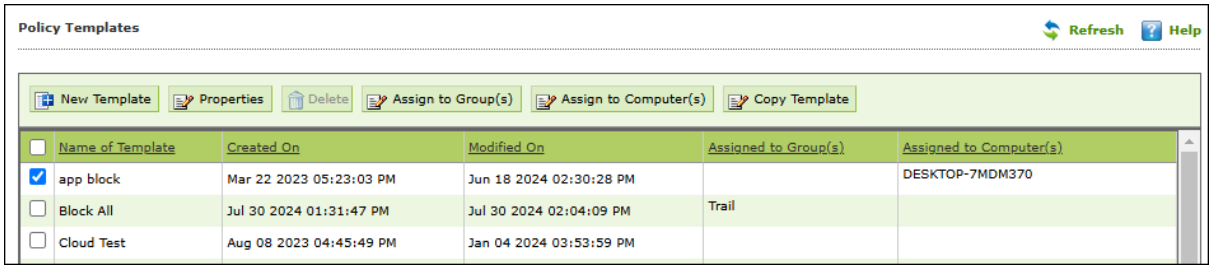
Assigning Policy Template to a group

There are two ways to assign the policy template to group:

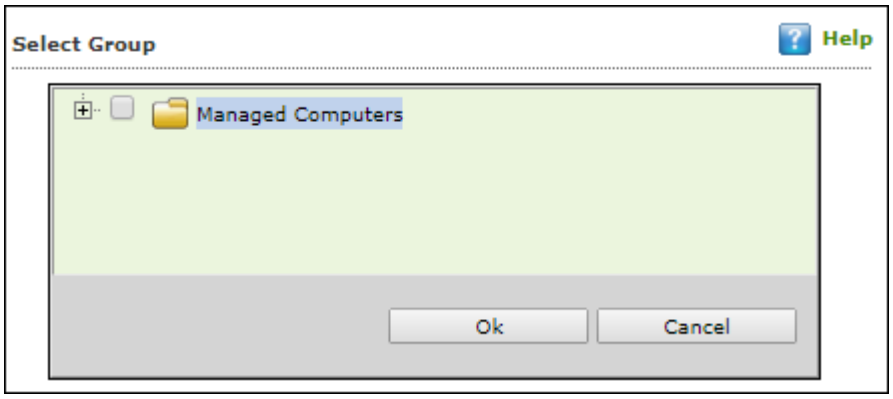
Method 1

To assign a Policy to a group:

1. In the Managed Computers screen, click **Policy Templates**.
   Policy Templates window appears.
2. In the **Policy Templates** window, select a policy template.



3. Click **Assign to Group(s)**.
   Select Group window appears.

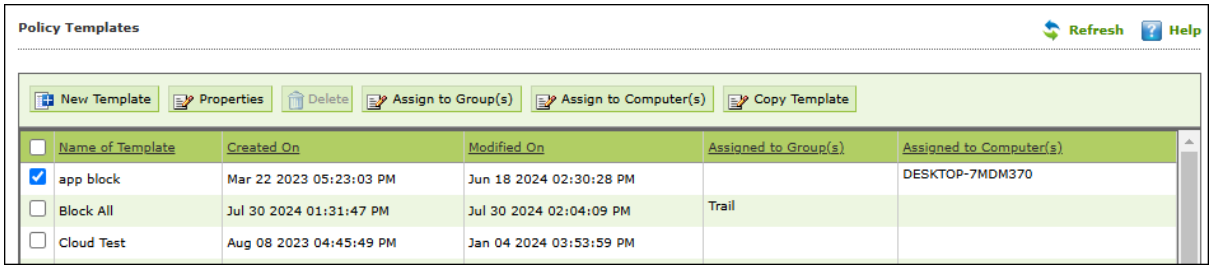


4. Select the group(s) and then click **OK**.
   The policy will be assigned to the selected group(s).

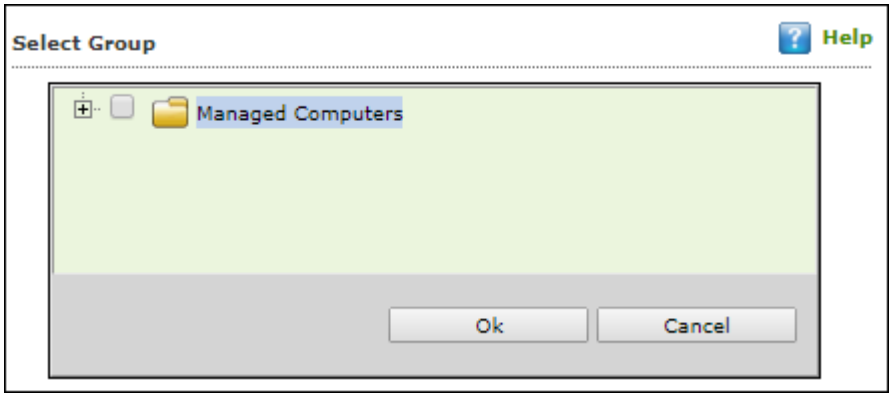
Assigning Policy Template to Computer(s)

To assign a policy template to computers:

1. In the **Policy Templates** window, select a policy.



2. Click **Assign to Computer(s)**.
3. Assign Template to computer window appears.

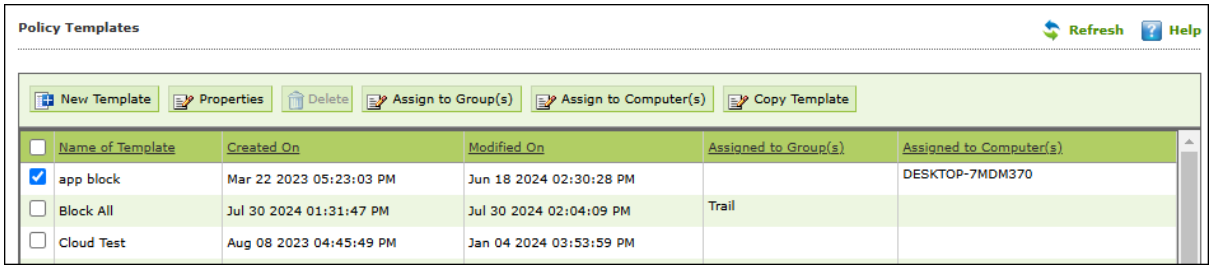


4. Click **Managed Computers**.
5. Select the computer(s) and then click **OK**.
   The policy template will be assigned to the selected computers.

Copying a Policy Template

To copy a Policy Template:

1. In the Policy Templates window, select a policy.



2. Click **Copy Template**.
   New Template window appears displaying settings from the original template.
3. Enter a name for the template.
4. Make the necessary changes and then click **Save**.
   The template will be copied.

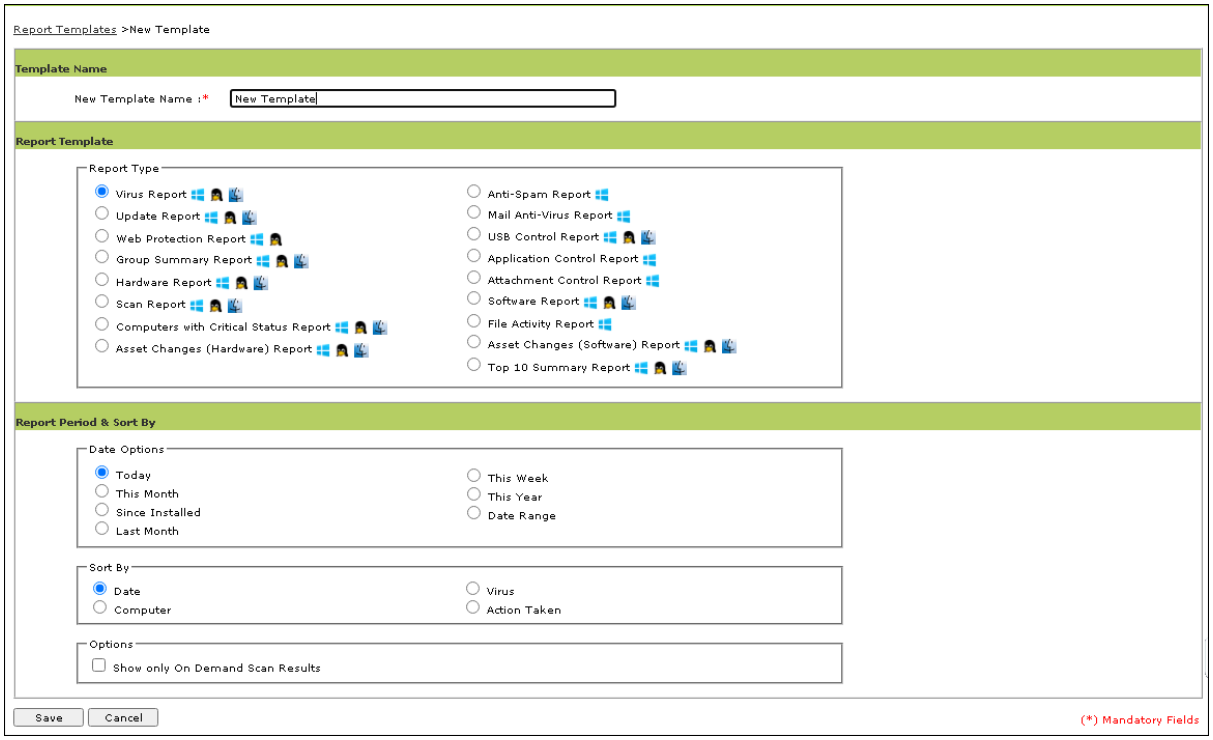
Report Templates

The Report Templates module lets you create template and schedule them according to your preferences. The module also consists of pre-loaded templates according to which the report can be created and scheduled.

Creating a Report Template

To create a Report Template, follow the steps given below:

1. In the navigation panel, click **Report Templates**.
2. Click **New Template**.
   New Template screen appears.



3. Enter a name for the template.
4. Select a report type.
   Depending upon the report type, the additional setting varies.
5. After making the necessary selections/filling data, click **Save**.
   The template will be created according to your preferences.

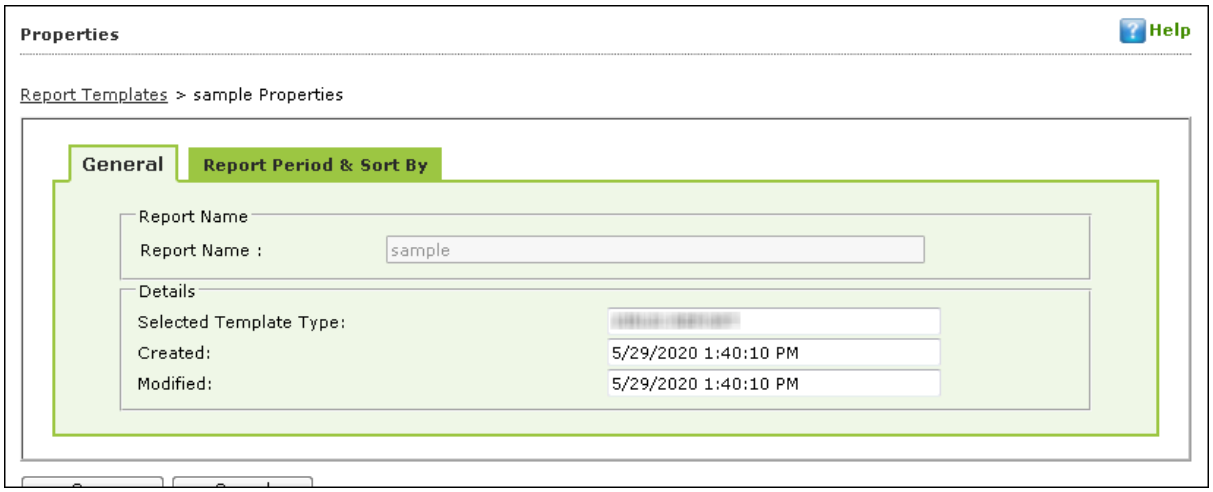
Creating Schedule for a Report Template

The Report Template module lets you create a new schedule for the report templates. To learn more, **click here**.

Viewing Properties of a Report Template

To view the properties of Report Template, follow the steps given below:

1. Select the Report Template whose properties you want to view.
2. Click **Properties**. Properties screen appears.



NOTE	Depending upon the Report Template enter, the Properties varies.

3. After making the necessary changes, click **Save**.
   The Report Template's properties will be updated.

Deleting a Report Template

To delete a Report Template, follow the steps given below:

1. Select the template you want to delete.
2. Click **Delete**.
   A confirmation prompt appears.
3. Click **OK**.
   The Report Template will be deleted.

NOTE	Default Report Templates cannot be deleted.

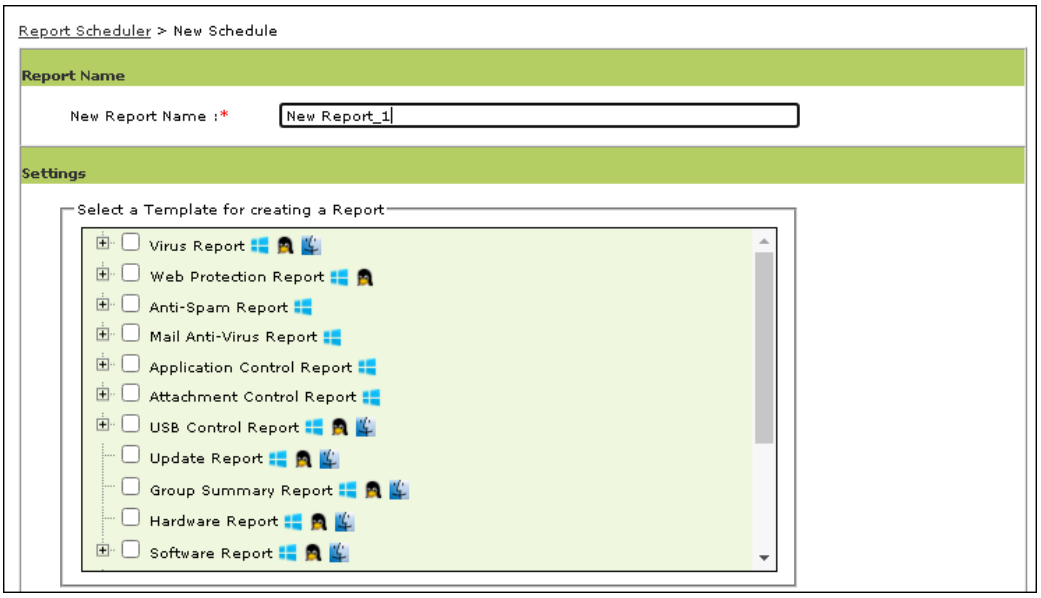
Report Scheduler

The Report Scheduler module lets you create schedule, update and run the task according to your preferences.

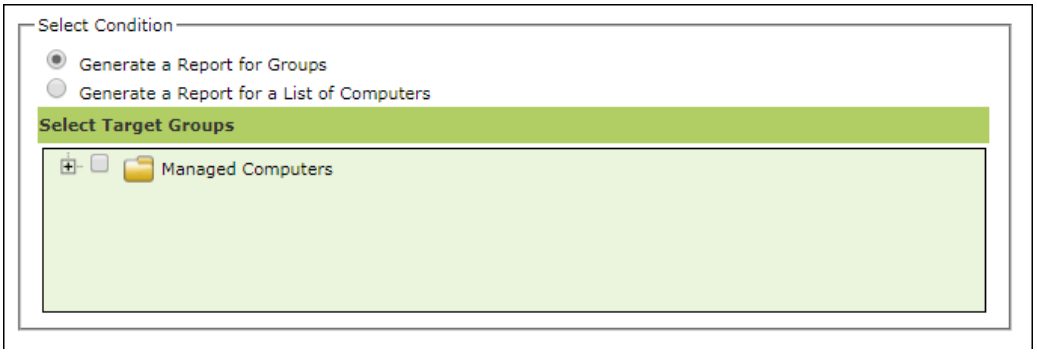
Creating a Schedule

To create a Schedule:

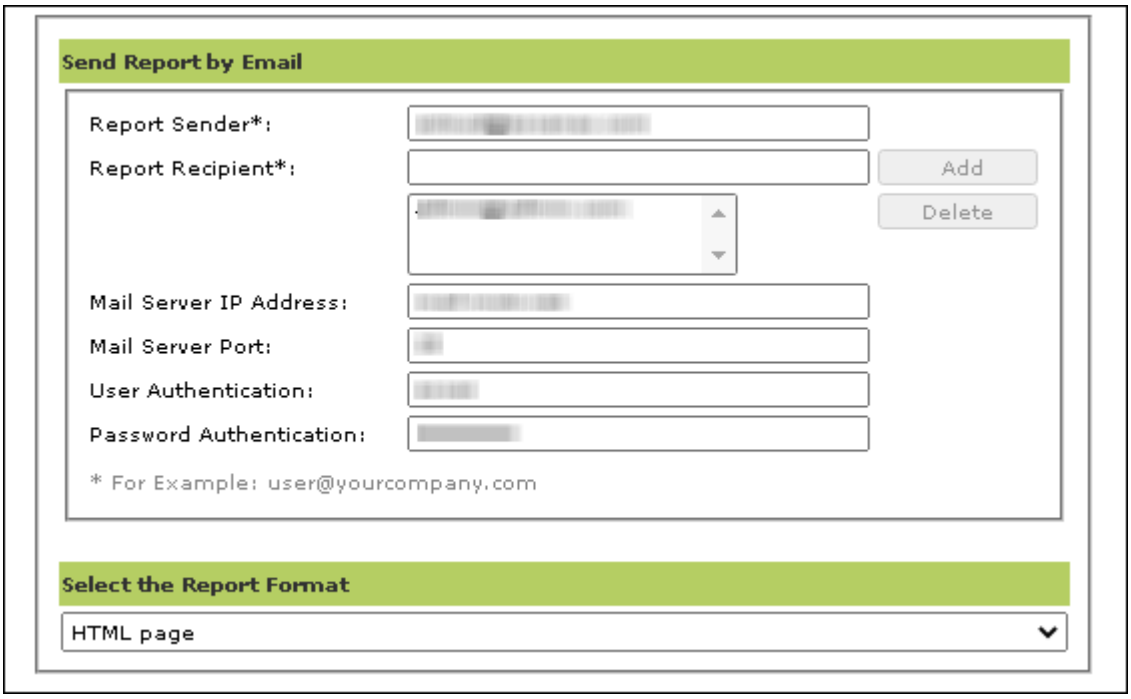
1. In the Report Scheduler screen, click **New Schedule**.
   New Schedule screen appears.



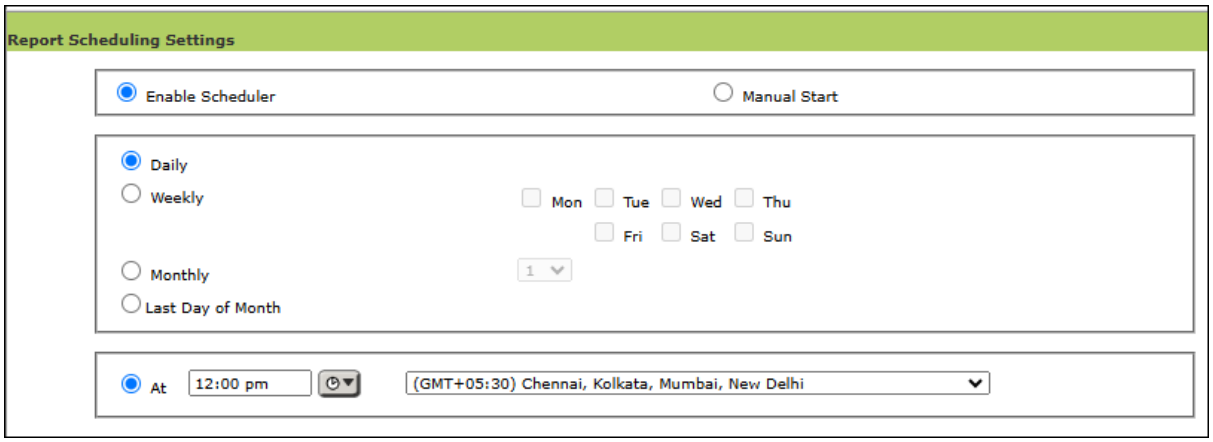
2. Enter a name for the report.
3. In the Settings section, select preferred templates.
4. In the Select Condition section, select a condition for groups or specific computers.



5. In the Send Report by email section, fill the required information to receive reports via email.



6. Select the preferred report format.
7. In Report Scheduling Settings section, make the necessary changes.

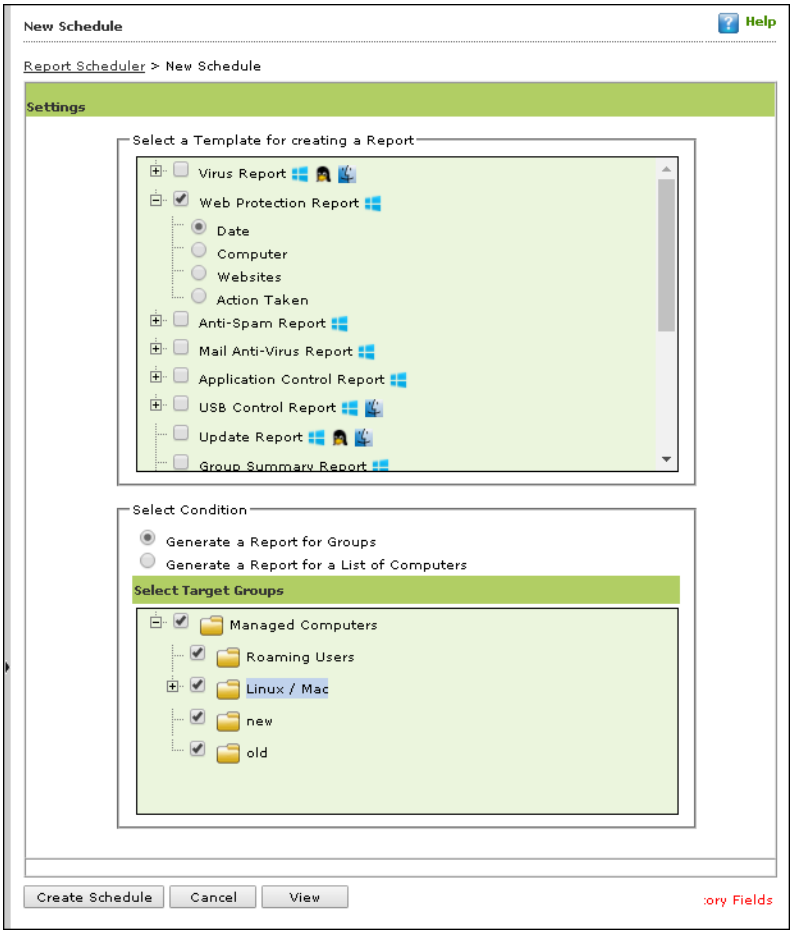


8. Click **Save**.
   New schedule will be created.

Viewing Reports on Demand

To view a report or a set of reports immediately:

1. Click **Report Scheduler** > **View & Create**.
   New Schedule screen appears.

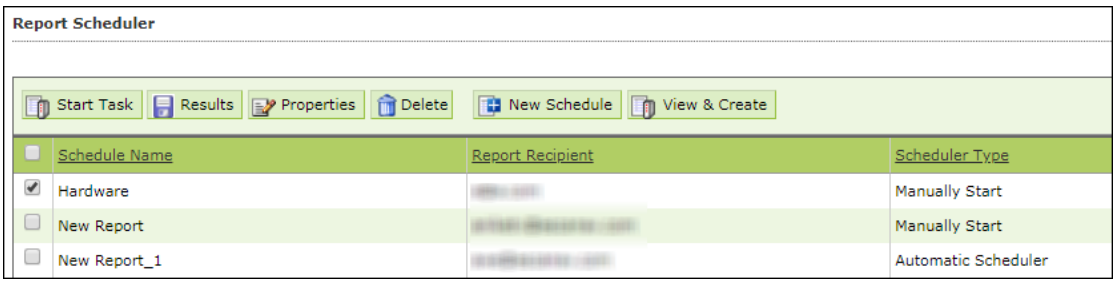


2. Select the **Template** options, the **Condition** and the **Target Groups**.
3. Click **View**.
4. A new window appears displaying the created report.

Clicking **Create Schedule** lets you create a new Schedule.

Managing Existing Schedules

The Report Scheduler module lets you manage the existing schedules.

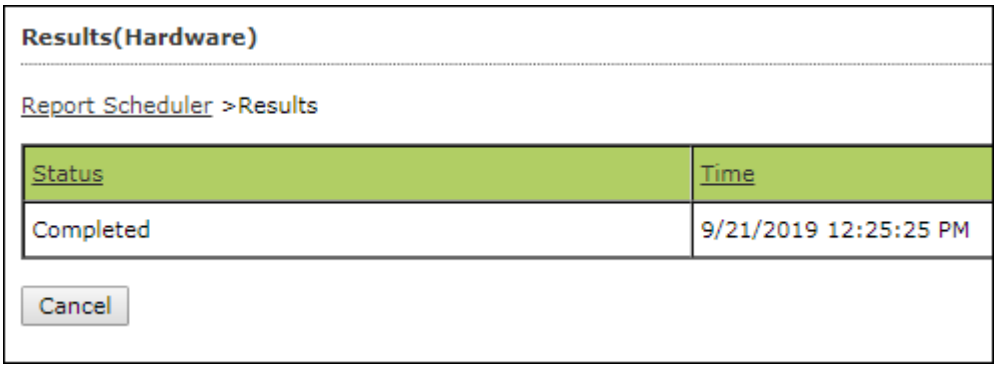


Generating Task Report of a Schedule

To generate a task report, select the preferred report schedule name and then click **Start Task**.
A task window appears displaying the name of the report being generated.

Viewing Results of a Schedule

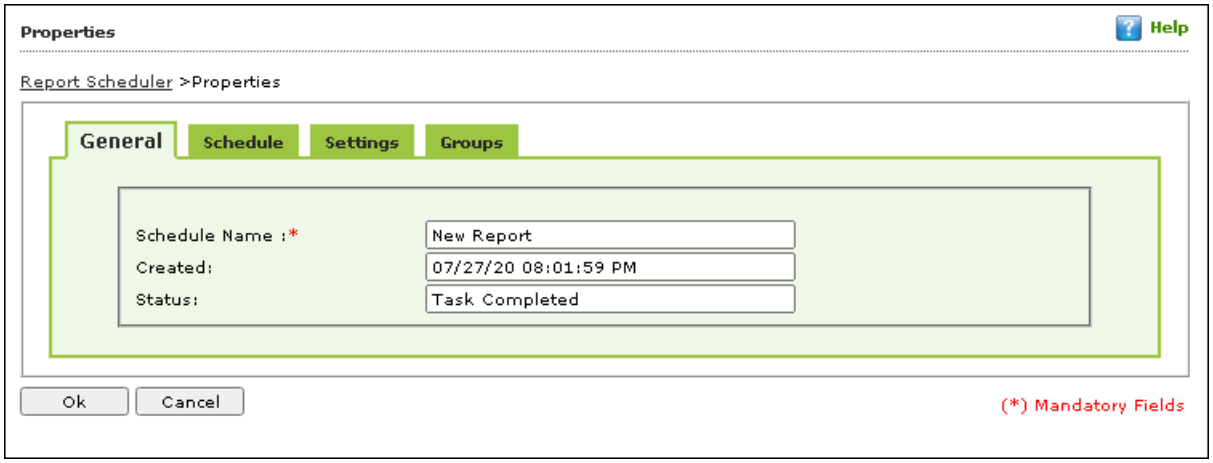
To see the results of a schedule and its time stamp, select the report schedule and then click **Results**.
Results screen appears.



Viewing Properties of a Schedule

To view the properties of a schedule:

1. Select a schedule.
2. Click **Properties**.
   Properties screen appears.

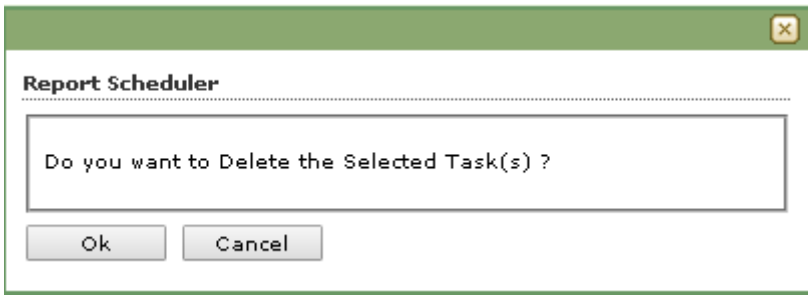


The properties screen displays general properties and lets you configure Schedule, Settings and Groups settings.

Deleting a Schedule

To delete a report schedule:

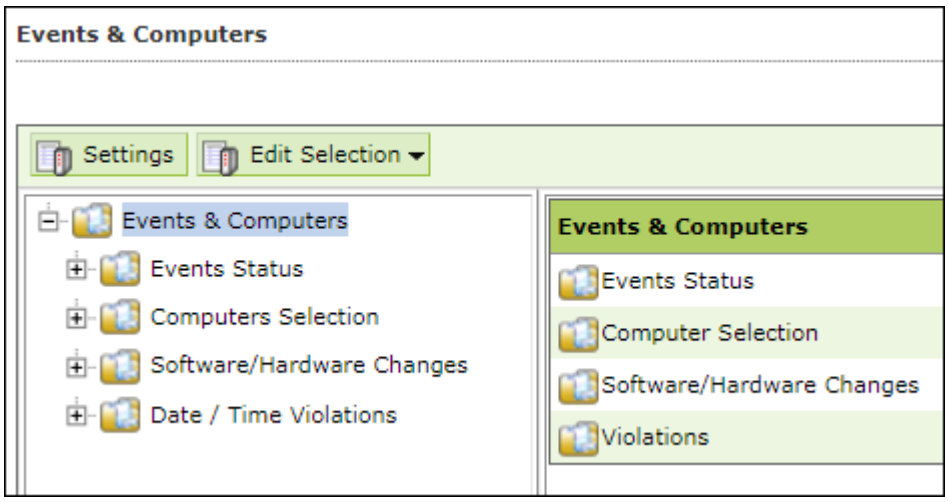
1. Select a schedule.
2. Click **Delete**.
   A confirmation prompt appears.



3. Click **OK**.
   The schedule will be deleted.

Events and Computers

eScan Management Console maintains the record of all the events sent by the client computer. Through the events & computers module, the administrator can monitor the Events and Computers; the module lets you sort the computer with specific properties.



Events Status

The Event Status subfolder is divided into following sections:

- **Recent**
- **Critical**
- **Information**

Recent

The Recent section displays both Information and Critical events.

Critical

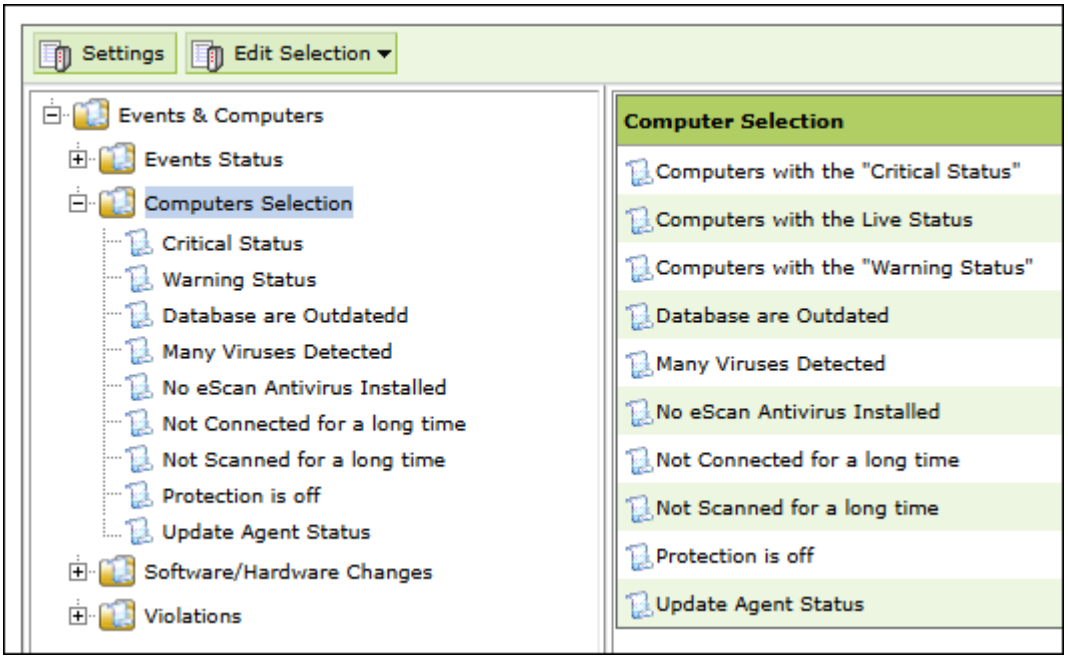
The Critical section displays Critical events and immediate attention.
For example, Virus detection, Monitor disabled.
The Critical events can be filtered on the basis of date range and the report can be exported in .xls or .html format.

Information

The Information section displays basic information events.
For example, Virus database update, Status.

Computer Selection

The Computer Selection subfolder displays computers that fall under different categories. It lets you select the computer and take the preferred action. You can also set the criteria for each section and sort the computer accordingly.



The Computer Selection subfolder consists following sections:

- **Computers with "Critical Status"**
- **Computers with "Warning Status"**
- **Database are Outdated**
- **Many Viruses Detected**
- **No eScan Antivirus Installed**
- **Not Connected for a long time**
- **Not Scanned for a long time**
- **Protection is off**
- **Update Agent Status**

This section displays computers marked with Critical status.

Computers with critical status
This section displays computers marked with Critical status.

Computers with warning status
This section displays computer with a warning status.

Database are Outdated
This section displays computers whose virus database is outdated.

Many Viruses Detected
This section displays the computers whose virus count has exceeded.

No eScan Antivirus Installed

This section displays computers on which eScan is not installed.

Not connected for a long time
This section displays the computers which didn't connect to the eScan server for the set duration.

Not scanned for a long time
This section displays the computers which weren't scanned for the set duration.

Protection is off
This section displays the computers on which File Protection is disabled.

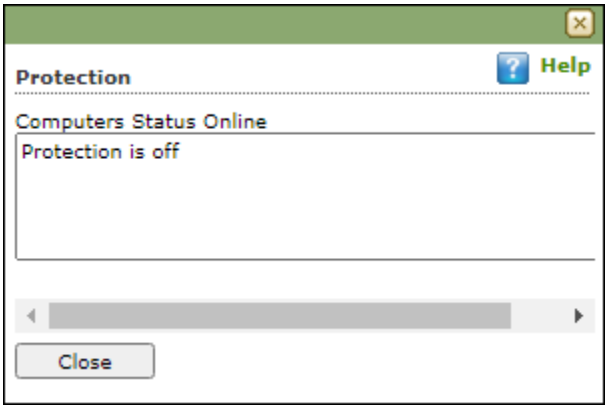
Update Agent Status
This section displays the status of computers assigned as Update Agent.

The additional settings vary depending upon the Computer Status.

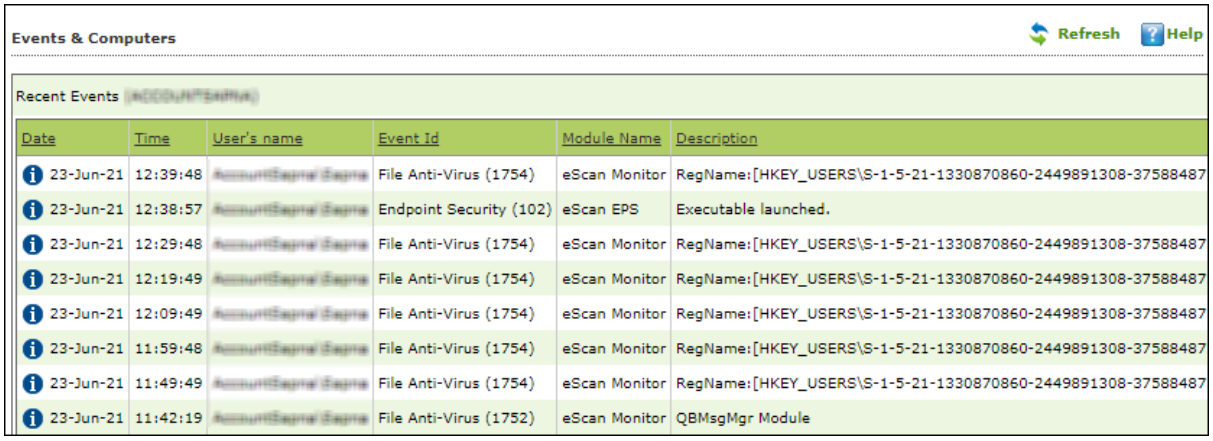
Edit Selection

This drop-down menu allows to configure various option based on selected options. The following options are present in the menu:

- **Protection**: This option displays the protection status of the selected computer.

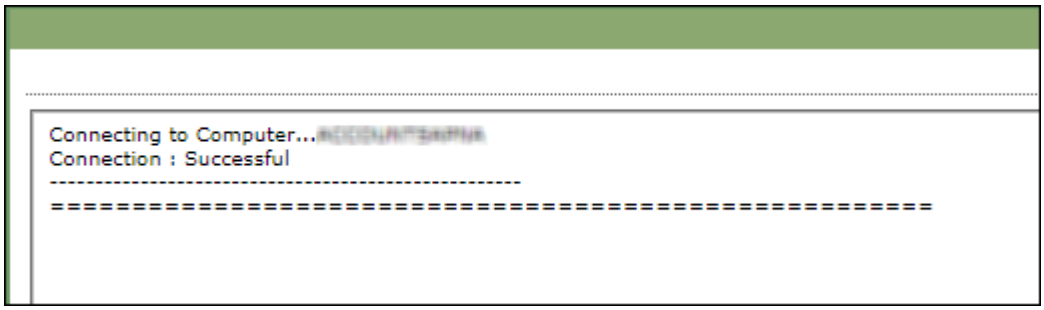


- **Events**: This option displays the events that were performed in particular computer.



Date	Time	User's name	Event Id	Module Name	Description
23-Jun-21	12:39:48	[redacted]	File Anti-Virus (1754)	eScan Monitor	RegName:[HKEY_USERS\S-1-5-21-1330870860-2449891308-37588487
23-Jun-21	12:38:57	[redacted]	Endpoint Security (102)	eScan EPS	Executable launched.
23-Jun-21	12:29:48	[redacted]	File Anti-Virus (1754)	eScan Monitor	RegName:[HKEY_USERS\S-1-5-21-1330870860-2449891308-37588487
23-Jun-21	12:19:49	[redacted]	File Anti-Virus (1754)	eScan Monitor	RegName:[HKEY_USERS\S-1-5-21-1330870860-2449891308-37588487
23-Jun-21	12:09:49	[redacted]	File Anti-Virus (1754)	eScan Monitor	RegName:[HKEY_USERS\S-1-5-21-1330870860-2449891308-37588487
23-Jun-21	11:59:48	[redacted]	File Anti-Virus (1754)	eScan Monitor	RegName:[HKEY_USERS\S-1-5-21-1330870860-2449891308-37588487
23-Jun-21	11:49:49	[redacted]	File Anti-Virus (1754)	eScan Monitor	RegName:[HKEY_USERS\S-1-5-21-1330870860-2449891308-37588487
23-Jun-21	11:42:19	[redacted]	File Anti-Virus (1752)	eScan Monitor	QBMsgMgr Module

- **Deploy/Upgrade Client**: To learn about this option, **click here**.
- **Check Connection**: This option will verify if the client machine is online or offline.

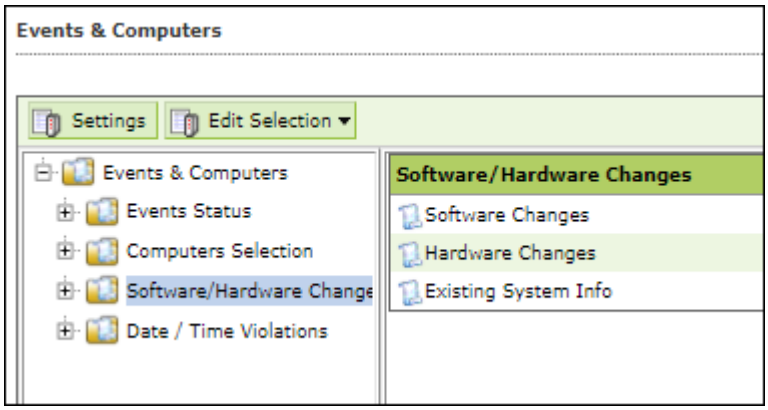


- **Remove from Group**: To learn about this option, **click here**.
- **Force Download**: To learn about this option, **click here**.
- **On Demand Scanning**: To learn about this option, **click here**.
- **Send Message**: To learn about this option, **click here**.
- **Properties**: To learn about this option, **click here**.

Software/Hardware Changes

This subfolder displays all software/ hardware changes that occurred on computers. It consists following sections:

- **Software Changes**
- **Hardware Changes**
- **Existing System Info**



Software Changes

This section displays software changes i.e. installation, uninstallation or software upgrades.

Hardware Changes

This section displays hardware changes that occurred on computers. For example, IP address. Hard Disk, RAM etc.

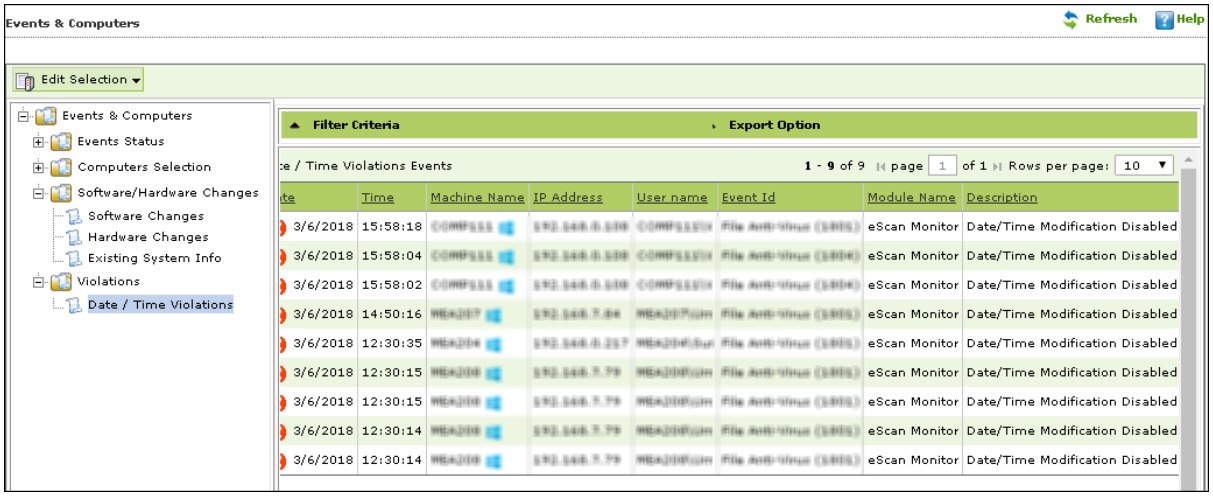
Existing System Info

This section displays a computer's existing hardware information.

Violations

Date/Time Violations

This subfolder consists Date/Time Violations that displays client computers whose users attempted to modify date and time.

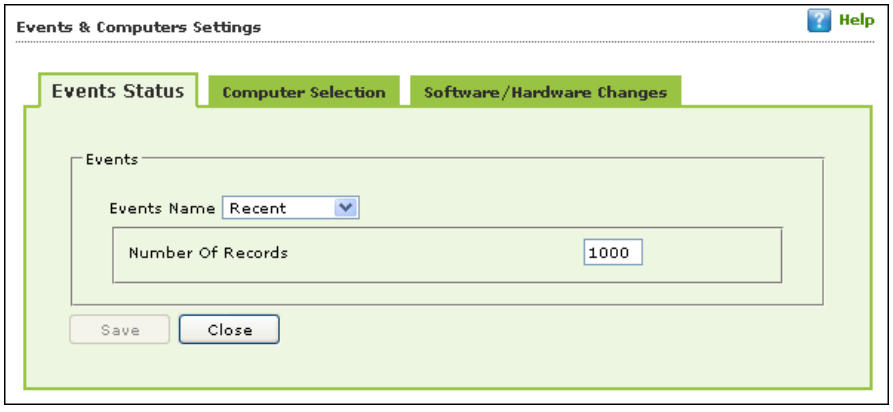


Settings

You can define the Settings for Events, Computer Selection and Software/Hardware changes by clicking on the **Settings** option and defining the desired settings using the Tabs and options present on the Events and Computer settings window.

Event Status Setting

Basically, events are activities performed on client's computer.



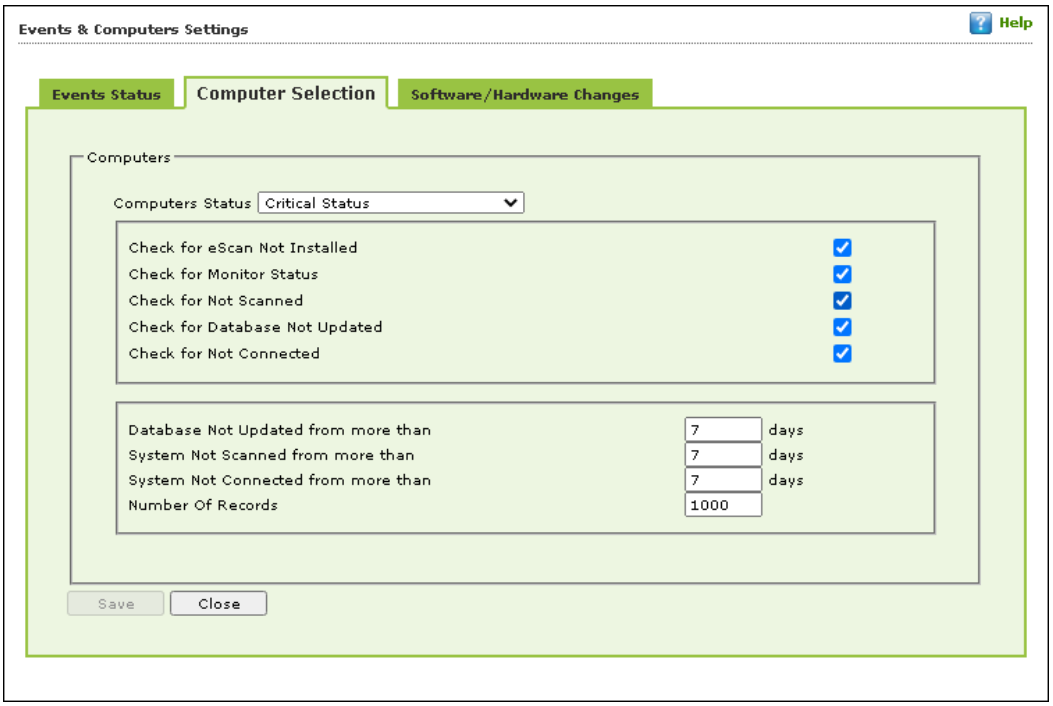
On the basis of severity, the events are categorized in to the following types:

- **Recent:** It displays both critical and information events that occurred recently on managed client computers.
- **Information:** It displays all informative types of events, such as virus database update, status, and so on.

Perform the following steps to define event status settings:

1. Select the appropriate **Events Name**.
2. Enter the number of events that you want to view in a list, in the **Number of Records** field.
3. Click **Save**. The settings get saved.

Computer Selection



The **Computer Selection** lets you select and save the computer status settings. This module lets you perform the following activities:

Critical Status: It displays a list of computers that are critical in status as per the criteria's selected in computer settings. Specify the details in following fields:

- **Check for eScan Not Installed**: Select this checkbox to view the list of client systems under managed computers on which eScan has not been installed.
- **Check for Monitor Status**: Select this checkbox to view the client systems on which eScan monitor is not enabled.
- **Check for Not Scanned**: Select this checkbox to view the list of client systems which have not been scanned.
- **Check for Database Not Updated**: Select this checkbox to view the list of client systems on which database has not been updated.
- **Check for Not Connected**: Select this checkbox to view the list of eScan client systems that have not been communicated with eScan server.
- **Database Not Updated from more than**: Enter the number of days from when the database has not been updated.
- **System Not Scanned for more than**: Enter the number of days from when the system has not been scanned.
- **System Not Connected for more than**: Enter the number of days from when the client system has not been connected to eScan server.
- **Number Of Records**: Enter the number of client systems that you want to view in the list.

Warning Status: It displays the list of systems which are warning in status, as per the criteria's selected in computer settings. Specify the following field details:

- **Check for Not Scanned**: Select this checkbox to view the list of client systems which has not been scanned.
- **Check for Database Not Updated**: Select this checkbox to view the list of client systems on which database has not been updated.
- **Check for Not Connected**: Select this checkbox to view the list of eScan client systems that have not been communicated with eScan server.
- **Check for Protection off**: Select this checkbox to view the list of client systems on which protection for particular module is inactive.
- **Check for Many Viruses**: Select this checkbox to view the list of client systems on which maximum viruses are detected.
- **Database Not Updated from more than**: Enter the number of days from when the database has not been updated.
- **System Not Scanned for more than**: Enter the number of days from when the system has not been scanned.
- **System Not Connected for more than**: Enter the number of days from when the client system has not been connected to eScan server.
- **Number Of Virus**: Enter the number of viruses detected on client system.
- **Number Of Records**: Enter the number of client system that you want to view in the list.

Database are Outdated: It displays a list of systems on which virus database is outdated. Specify the following field details:

- **Database Not Updated from more than**: Enter the number of days from when the database has not been updated.
- **Number of Records**: Enter the number of client system that you want to view in the list.

Many Viruses Detected: It displays a list of systems on which number of viruses exceeds the specified count in computer settings. Specify the following field details:

- **Number of Virus**: Enter the number of viruses detected on client system.
- **Number of Records**: Enter the number of client systems that you want to view in the list.

No eScan Antivirus Installed: It displays the list of systems on which eScan has not been installed. Specify the following field detail:

- **Number of Records**: Enter the number of client system that you want to view in the list.

Not Connected for a long time: It displays the list of systems which have not been connected from a long time, as specified in computer settings. Specify the following field details:

- **System Not Connected from more than:** Enter the number of days from when the system has not been connected.
- **Number Of Record:** Enter the number of client system that you want to view in the list.

Not scanned for a long time: It displays the list of systems which have not been scanned from a long time, as specified in computer settings. Specify the following field details:

- **System Not Scanned for more than**: Enter the number of days from when the system has not been scanned.
- **Number of Records**: Enter the number of client system that you want to view in the list.

Protection is off: It displays the list of systems on which protection is inactive for any module, as per the protection criteria's selected in computer settings. It shows the status as "Disabled" in the list. Specify the following field details:

- **Check for Monitor Status**: Select this checkbox if you want to view the client systems on which eScan monitor is not enabled.
- **Check for Mail Anti-Phishing**: Select this checkbox if you want to view the list of client systems on which **Mail Anti-Phishing** protection is inactive.
- **Check for Mail Anti-Virus**: Select this checkbox if you want to view the list of client systems on which **Mail Anti-Virus** protection is inactive.
- **Check for Anti-Spam**: Select this checkbox if you want to view the list of client systems on which **Anti- Spam** protection is inactive.
- **Check for Endpoint Security**: Select this checkbox if you want to view the list of client systems on which **Endpoint Security** protection is inactive.
- **Check for FireWall**: Select this checkbox if you want to view the list of client systems on which **FireWall** protection is inactive.
- **Check for Proactive**: Select this checkbox if you want to view the list of client systems on which **Proactive** protection is inactive.
- **Check for Web Protection**: Select this checkbox if you want to view the list of client systems on which the **Web Protection** is inactive.
- **Number of Records**: Enter the number of client system that you want to view in the list.

Update Agent Status: It displays the list of systems that has been assigned as an Update Agent. Specify the following in details:

- **Number of Records**: Enter the number of client system that you want to view in the list.

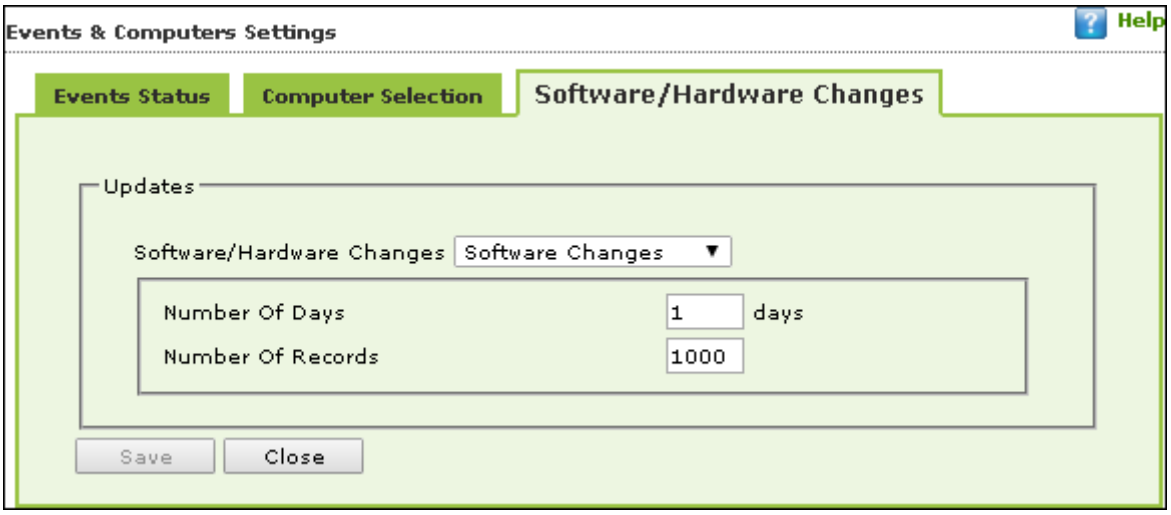
Steps to define computer settings

To save the computer settings, follow the steps given below:

1. Click **Computers Selection** tab.
2. Select a type of status for which you want to set criteria, from the **Computer status** drop-down.
3. Select the appropriate checkboxes, and then enter field details in the available fields. For more information, refer [Types and criteria of computer status] section.
4. Click **Save**. The settings will be saved.

Software/ Hardware Changes Setting

You can configure these settings to receive updates on any Software, Hardware, and existing system changes.



The **Software/ Hardware Changes** enable you to do the following activities:
Type of Software/Hardware Changes:

- **Software changes**
- **Hardware changes**
- **Existing system info**

To Change software/hardware settings, follow the steps given below:

1. Click the **Software/Hardware Changes** tab.
2. Specify the following field details:
    - **Software/Hardware Changes**: Click the drop-down and select the changes made.
    - **Number of Days**: Enter the number of days, to view changes made within the specified days.
    - **Number of Records**: Enter the number of client systems that you want to view in the list.
3. Click **Save**. The settings get saved.

Performing an action for computer

To perform an action for a computer, follow the steps given below:

1. Select a computer.
2. Click **Edit Selection** drop-down. To learn more **click here**.
3. Click the preferred action.

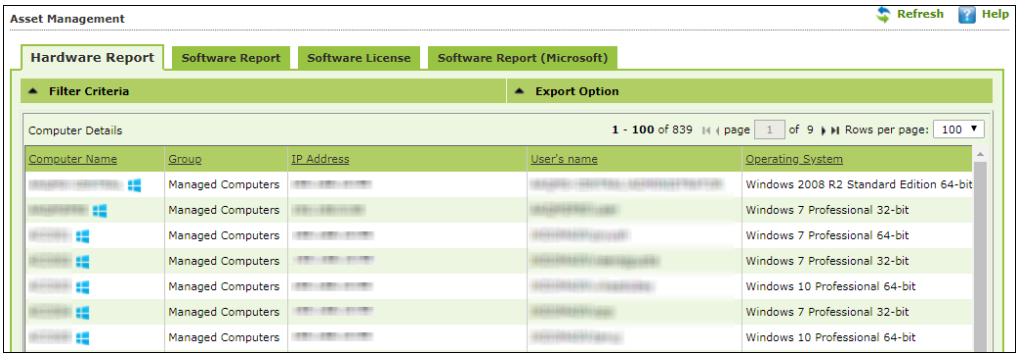
Asset Management

This module displays list of hardware configuration, software installed, software version number and a Software report for Microsoft software installed on **Managed Computers**. The Asset Management module consists following tabs:

- **Hardware Report**
- **Software Report**
- **Software License**
- **Software Report (Microsoft)**

Hardware Report

The Hardware Report tab displays hardware configuration of all Managed Computers.



The tab displays following details of managed computers:

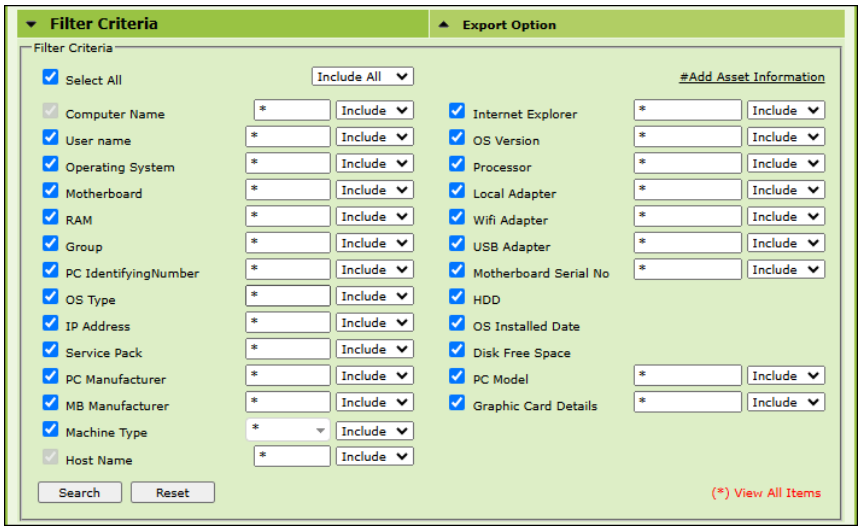
- Computer Name
- Group
- IP Address
- User's name
- Operating System
- Service Pack
- OS Version
- OS Installed Date
- Internet Explorer
- Processor
- Motherboard
- RAM
- HDD
- Local MAC Adapter(s)
- Wi-Fi MAC [Adapter]
- USB MAC [Adapter]
- PC Identifying Number
- Motherboard Serial No
- Network Speed
- Disk Free Space
- PC Manufacturer
- PC Model

- MB Manufacturer
- Graphic Card Details
- Machine Type
- BitLocker Status
- Keyboard Vendor
- Software

To view the list of Software along with the version and installation dates, click **View** in Software column.

Filtering Hardware Report

To filter the Hardware Report as per your requirements, click **Filter Criteria** field.
Filter Criteria field expands.



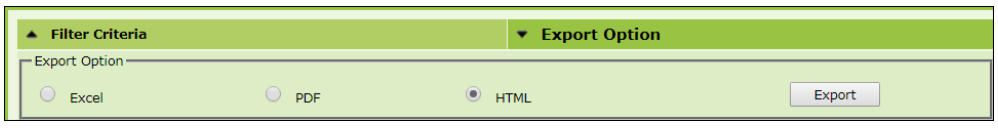
Select the parameters you want to be included in the filtered report.

Include/Exclude
Selecting Include/Exclude for a parameter lets you include or exclude it from the report.

After making the necessary selections, click **Search.**
The Hardware Report will be filtered according to your preferences.

Exporting Hardware Report

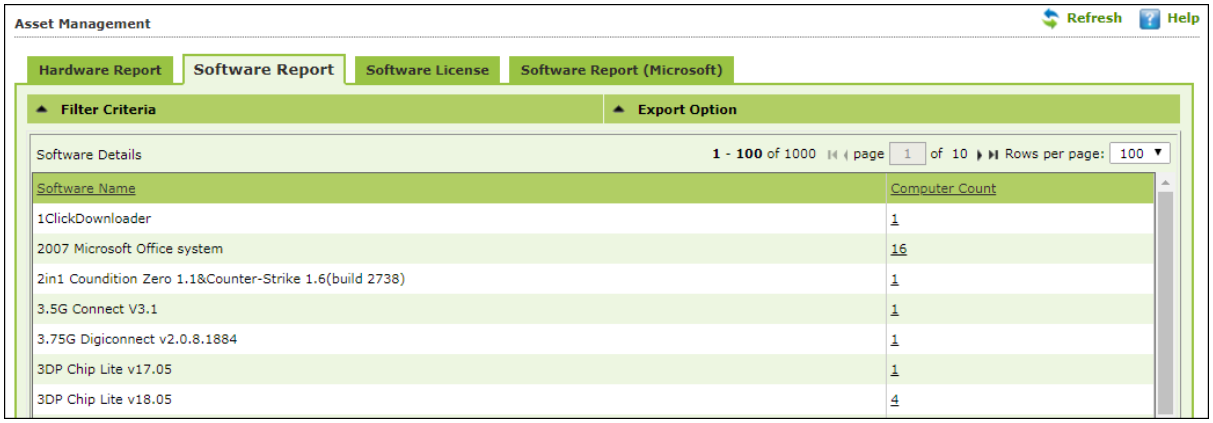
To export the Hardware Report, click **Export Option**. Export Option field expands.



Select the preferred format and then click **Export**. A success message appears with the link to Open/Download the file.

Software Report

The Software Report tab displays list of Software along with the number of computers on which they are installed.



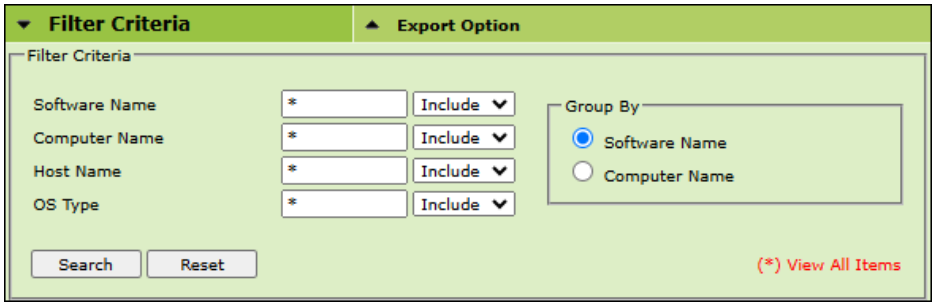
To view the computers on which the specific software is installed, click the numerical in Computer Count column.

Computer list window appears displaying following details:

- Computer Name
- Group
- IP Address
- Operating System
- Software Version
- Installed Date

Filtering Software Report

To filter Software Report, click **Filter Criteria** field.
Filter Criteria field expands.



The Software Report can be filtered on the basis of **Software Name** or **Computer Name**.

Software Name
Entering the Software name displays suggestions. Select the appropriate software.

Computer Name
Click the drop-down and select the preferred computer(s).

Host Name
Enter the Host Name displays suggestions. Select the appropriate key.

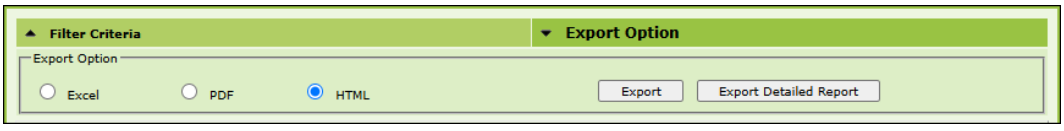
OS Type
Enter the OS type.

Group By
The results can be grouped by Software name, Computer name or Group.
If Group option is selected, the report can be filtered for a specific group.

After entering data in all fields, click **Search**.
The Software Report will be filtered according to your preferences.

Exporting Software Report

To export the Software Report, click **Export Option**.
Export Option field expands.

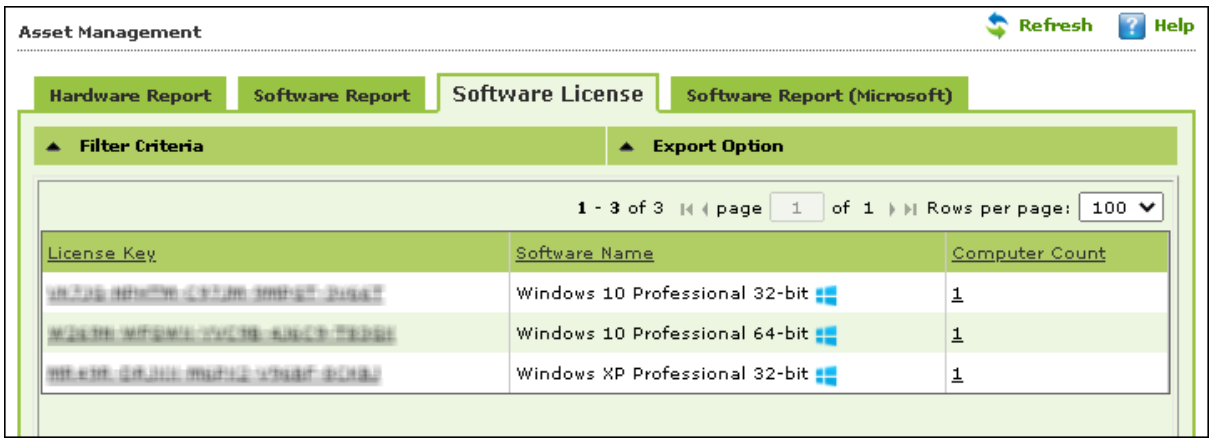


Select the preferred option and then click **Export**.
OR
To export a detailed report, select the preferred option and then click **Export Detailed Report**.
A success message appears.

Click the link to open/download the file.

Software License

The Software License tab displays list of Software Licenses of managed computers.



The log displays License Key, Software Name and Computer Count.
To see more details of the computer's license key installed, click the numerical value in License Key or Computer Count Column.

Filtering Software License Report

To filter Software Report, click **Filter Criteria** field.
Filter Criteria field expands.

Software License Key
Entering the license key displays suggestions. Select the appropriate key.

Software Name
Entering the Software name displays suggestions. Select the appropriate software.

Computer Name
Click the drop-down and select the preferred computer(s).

Host Name
Enter the Host Name displays suggestions. Select the appropriate key.

IP Address
Entering the IP address displays suggestions. Select the appropriate IP address.

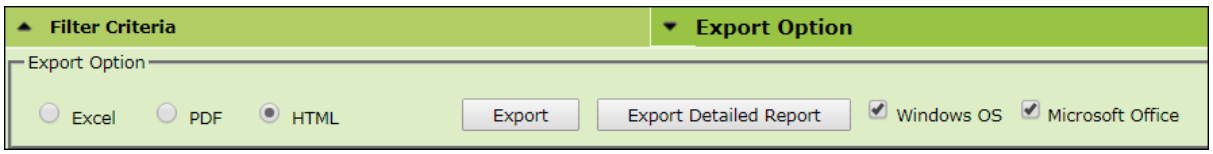
OS Type
Enter the OS type.

Include/Exclude
Selecting Include/Exclude for a parameter lets you include or exclude it from the report.

After entering data in all fields, click **Search**.
The Software License Report will be filtered according to your preferences.

Exporting Software License Report

To export the Software License Report, click **Export Option**.
Export Option field expands.



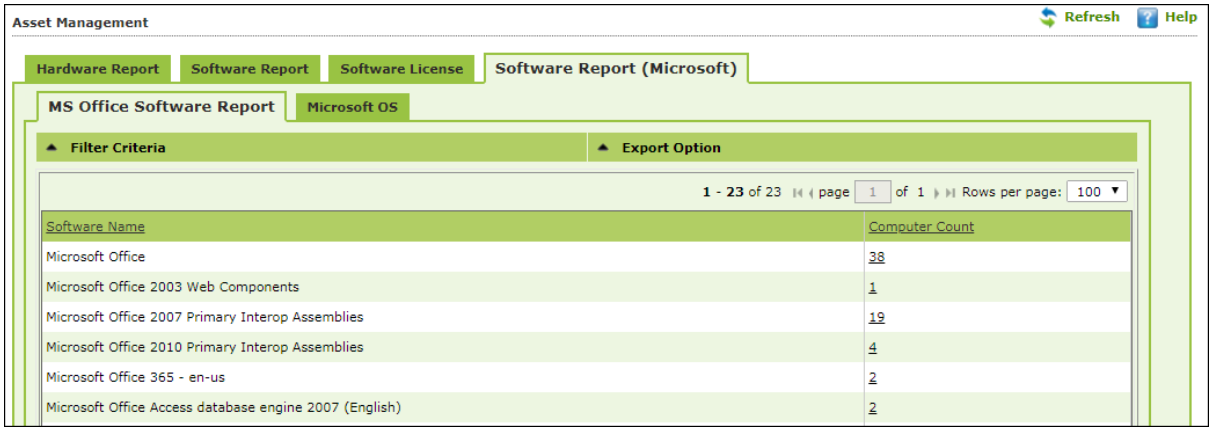
Select whether you want report for Windows OS and Microsoft Office.

Select the preferred option and then click **Export**.
OR
To export a detailed report, select the preferred option and then click **Export Detailed Report**.
A success message appears.

Click the link to open/download the file.

Software Report (Microsoft)

The Software Report (Microsoft) displays details of the Microsoft Software installed on the computers.

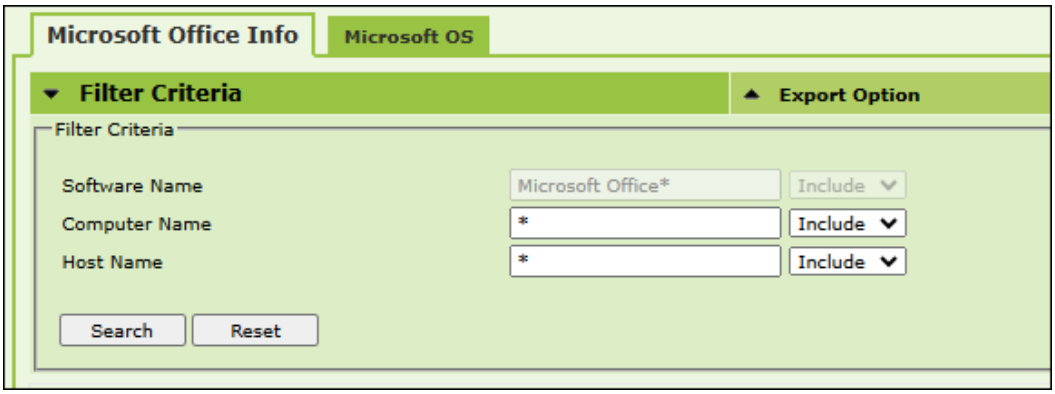


The tab consists following subtabs:
MS Office Software Report – It displays Microsoft software name and computer count.

Microsoft OS – It displays Operating System, Service Pack, OS version and computer count.

Filtering Software Report (Microsoft)

To filter Software Report (Microsoft), click **Filter Criteria** field.
Filter Criteria field expands.



Software Name
Enter the preferred software name and click the drop – down.

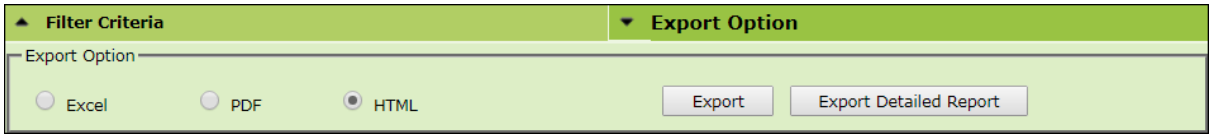
Computer Name
Click the drop-down and select the preferred computer(s).

Group By
If Group option is selected, the report can be filtered for a specific group.

After entering data in all fields, click **Search**.
The Software Report (Microsoft) will be filtered according to your preferences.

Exporting Software Report (Microsoft)

To export the Software Report (Microsoft), click **Export Option**.
Export Option field expands.

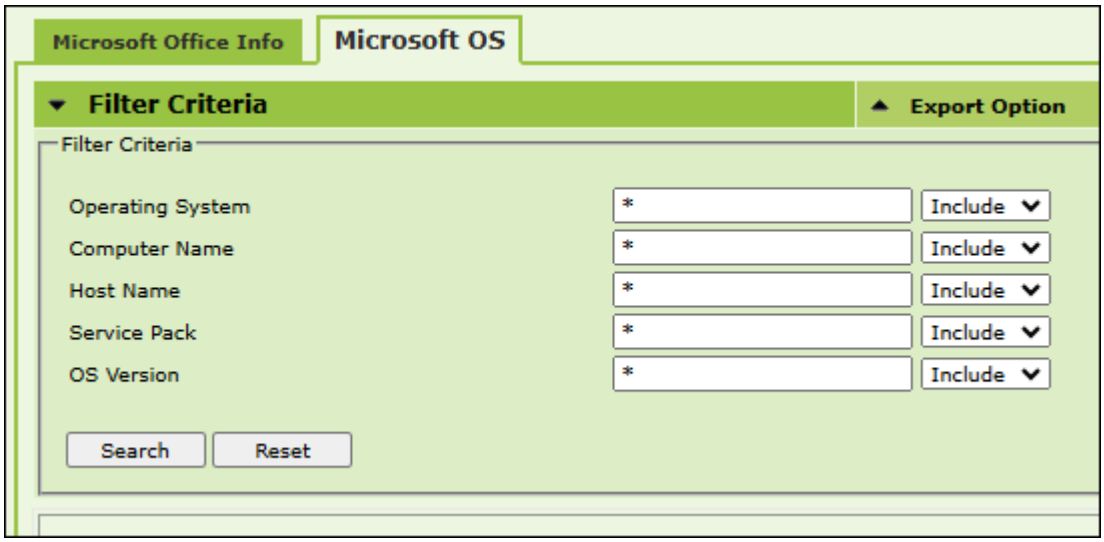


Select the preferred option and then click **Export**.
OR
To export a detailed report, select the preferred option and then click **Export Detailed Report**.
A success message appears.

Click the link to open/download the file.

Filtering Microsoft OS Report

To filter the Microsoft OS report, click **Filter Criteria** field.
Filter Criteria field expands.



Operating System
Entering the operating system name displays list of suggestions. Select the appropriate OS.

Computer Name
Click the drop-down and select the preferred computer(s).

Host Name
Enter the Host Name displays suggestions. Select the appropriate key.

Service Pack
Entering the service pack name displays list of suggestions. Select the appropriate Service Pack.

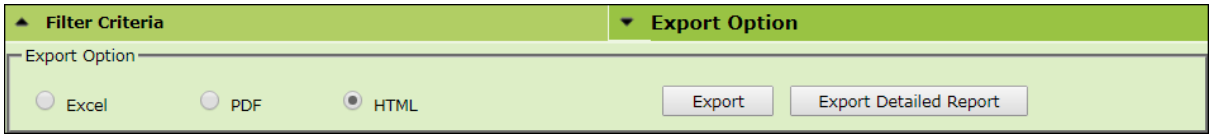
OS Version
Entering the OS version displays list of suggestions. Select the appropriate OS version.

Include/Exclude
Selecting Include/Exclude for a parameter lets you include or exclude it from the report.

After filling all the fields, click **Search**.
The Microsoft OS report will be filtered according to your preferences.

Exporting Microsoft OS Report

To export the Microsoft OS Report, click **Export Option**.
Export Option field expands.



Select the preferred option and then click **Export**. A success message appears.

Click the link to open/download the file.

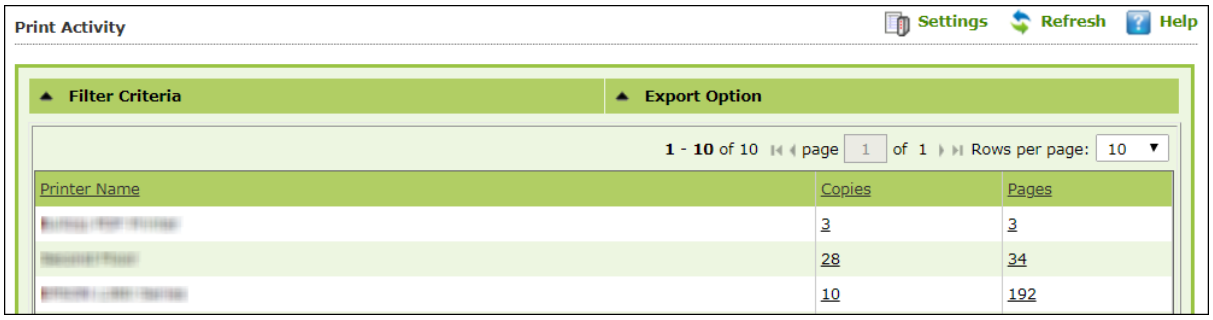
User Activity

The User Activity module lets you monitor Print, Session, and File activities occurring on the client computers. It also provides the reports of the running applications. It consists following submodules:

- **Print Activity**
- **Session Activity Report**
- **File Activity Report**
- **Application Access Report**

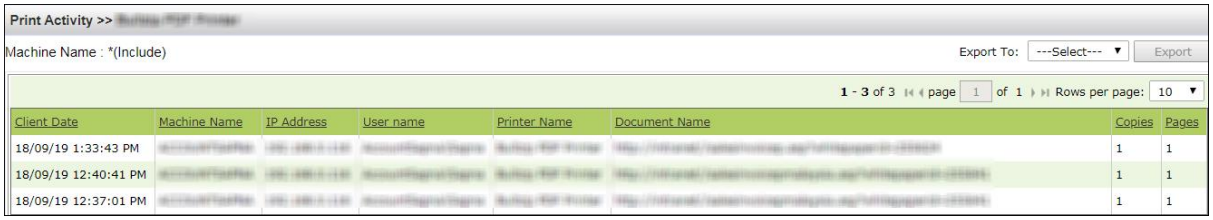
Print Activity

The Print Activity monitors and logs print commands sent by all computers. It also lets you filter the logs on the basis of Computer name, Printer, and Username. Furthermore, the module lets you export a detailed print activity report in XLS, PDF, and HTML formats. The log report generated consists of Print Date, Machine Name, IP Address, Username, Printer Name, Document Name along with number of Copies and Pages.



Viewing Print Activity Log

To view the Print log of a Printer, click its numerical value under **Copies** or **Pages** column. Print Activity window appears displaying the details.



Exporting Print Activity Log

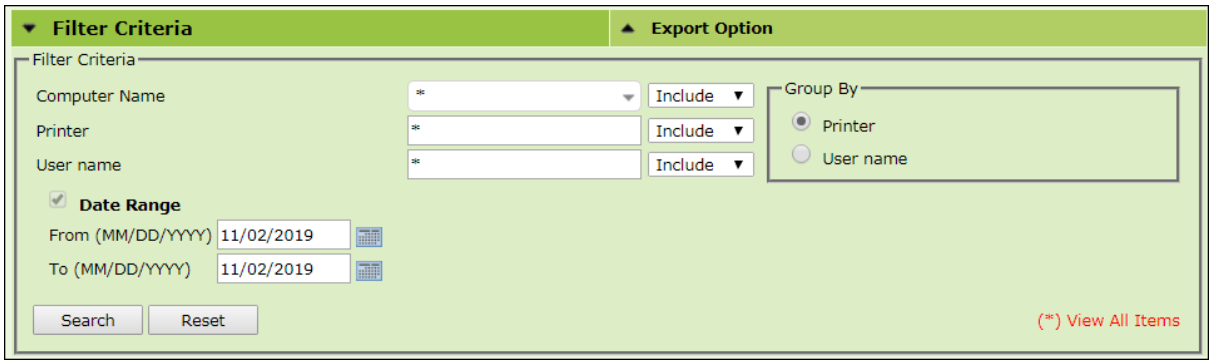
To export this generated log:

1. Click the **Export to** drop-down.
2. Select a preferred format.
3. Click **Export**.
   A success message appears.

4. Click the link to open/download the file.

Filtering Print Activity Log

To filter the print activity log, click **Filter Criteria**.
Filter criteria field expands.



Computer Name
Click the drop-down and select the preferred computer.

Printer
Enter the printer's name.

User Name
Enter the User's name.

Include/Exclude
Selecting Include/Exclude for a Machine or Printer lets you include or exclude it from the log.

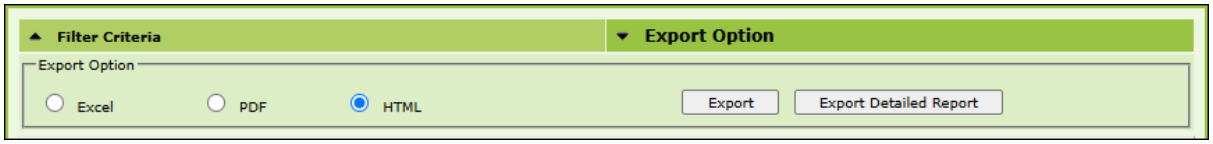
Date Range
To search the log between specific dates, select **Date Range** checkbox. Afterwards, click the calendar icon and select **From** and **To** dates.

After filling all fields, click **Search**.
The Print activity log will be filtered and generated according to your preferences.

Group By
To view results by specific printer, select **Printer**, Date Range and then click **Search**.
To view results by specific user name, select **User name**, Date Range and then click **Search**.

Exporting Print Activity Report

To export the generated log, click **Export Option**.
Export Option field expands.



Select the preferred option and then click **Export**.
OR
To export a detailed report, select the preferred option and then click **Export Detailed Report**.

A success message appears.

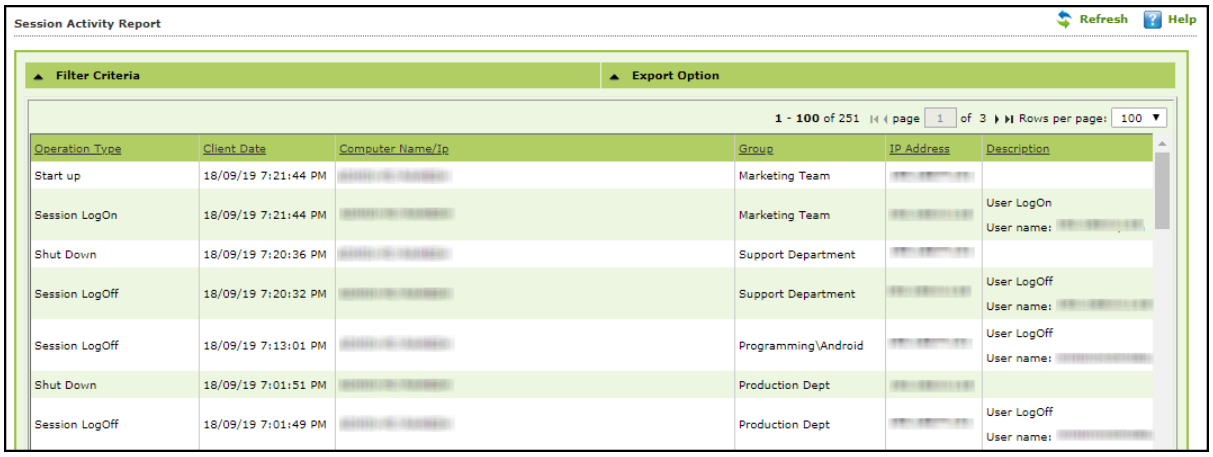
Click the link to open/download the file.

Session Activity Report

This submodule monitors and logs the session activity of the managed computers. It displays a report of the Operation type, Client Date, Computer name/IP, Group, IP address and Description. With this report the administrator can trace the user Logon and Logoff activity along with remote sessions that took place on all managed computers.

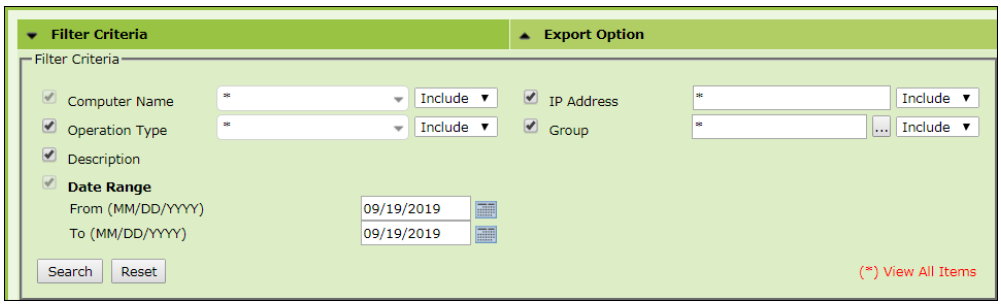
Viewing Session Activity Log

In the navigation panel, click **User Activity** > **Session Activity Report**.
The log displays list of session activities and type of operation performed. Options for Filtering or Exporting the log in desired formats are also present on the same interface.



Filtering Session Activity Log

To filter session activities, click **Filter Criteria** field.
Filter Criteria field expands.



Filter Criteria lets you filter and generate the log according to your preferences. The checkbox selected will be added as a column in the report.

Computer Name
Click the drop-down and select the preferred computers.

Operation Type
Click the drop-down and select the preferred activities.

Include/Exclude
Selecting Include/Exclude for a parameter lets you include or exclude it from the log.

IP Address
Enter the IP address in this field.

Group

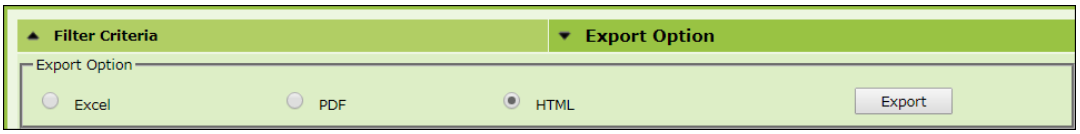
Enter the group's name or click ... and select a group.

Date Range
To search the log between specific dates, select **Date Range** checkbox. Afterwards, click the calendar icon and select **From** and **To** dates.

After filling all fields, click **Search**.

Exporting Session Activity Report

To export the generated log, click **Export Option**.
Export Option field expands.



Select the preferred option and then click **Export**.
A success message appears.

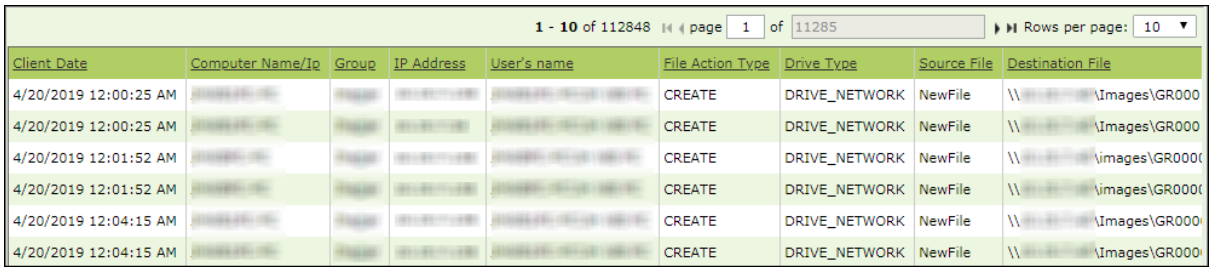
Click the link to open/download the file.

File Activity Report

The File Activity module displays a report of the files created, copied, modified, and deleted on managed computers. Additionally in case of a misuse of any official files can be tracked down to the user through the details captured in the report. Select and filter the report based on any of the details captured.

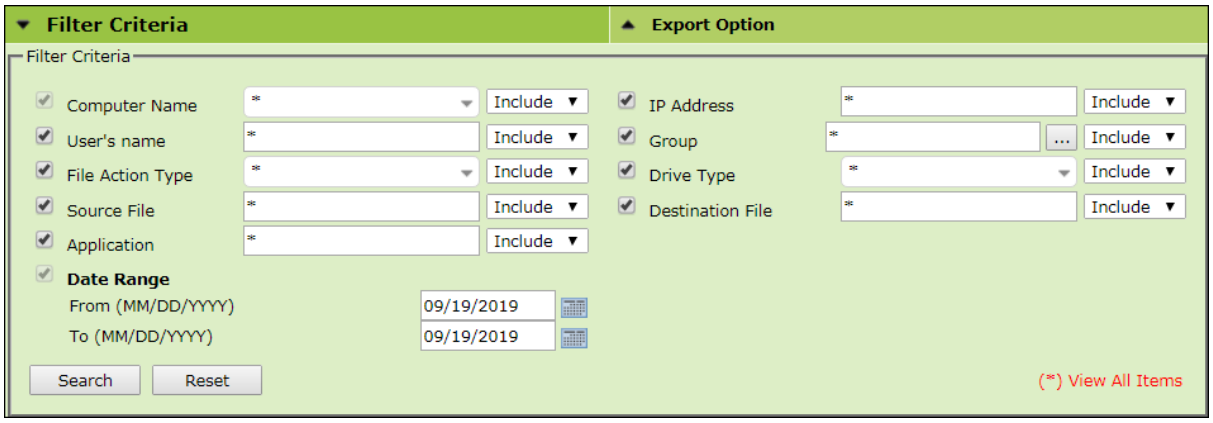
Viewing File Activity Log

In the navigation panel, click **User Activity** > **File Activity Report**.
The log displays list of files and the type of operation performed on them. Options for Filtering or Exporting the log in desired formats are also present on the same interface.



Filtering File Activity Log

To filter file activities, click **Filter Criteria** field. Filter Criteria field expands.



Filter Criteria lets you filter and generate the log according to your preferences. The checkbox selected will be added as a column in the report.

Computer Name
Click the drop-down and select the preferred computers.

Username
Enter the username of the computer.

File Action type
Click the drop-down and select a preferred file action.

Source File
Enter the source file's name.

Application

Enter an application's name.

Include/Exclude
Selecting Include/Exclude for a parameter lets you include or exclude it from the log.

IP Address
Enter an IP address.

Group

Enter the group's name or click ... and select a group.

Drive Type
Click the drop-down and select the drive type.

Destination File
Enter the file path.

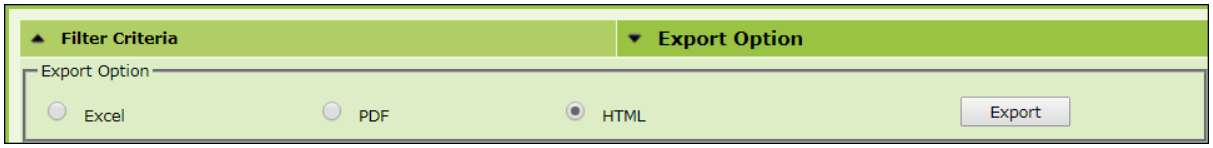
Date Range
To search the log between specific dates, select **Date Range** checkbox. Afterwards, click the calendar icon and select **From** and **To** dates.

Enable search by typing keywords on above fields
Select this checkbox to filter the report as per keyword for particular field.

After filling all fields, click **Search**.
The Activity Log will be displayed.

Exporting File activity Report

To export the generated report, click **Export Option**.
Export Option field expands.



Select the preferred option and then click **Export**.
A success message appears.

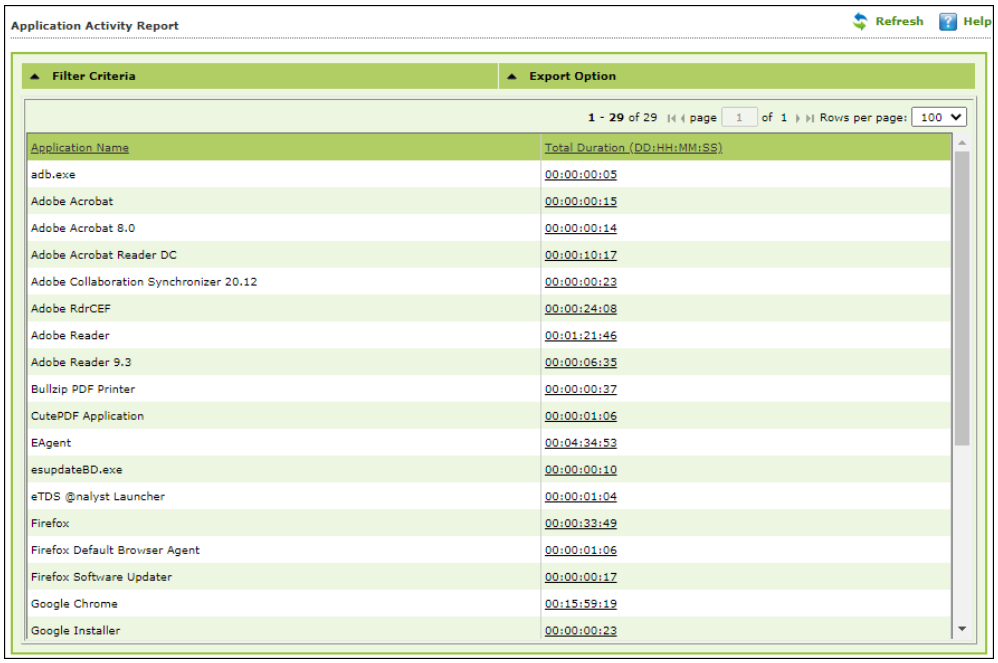
Click the link to open/download the file.

Application Access Report

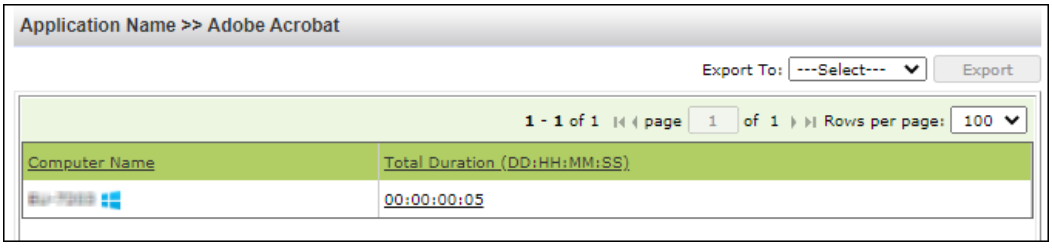
The Application Access Report module gives the detailed view of all the applications accessed by the computers in the Managed Computers.

Viewing Application Access Report

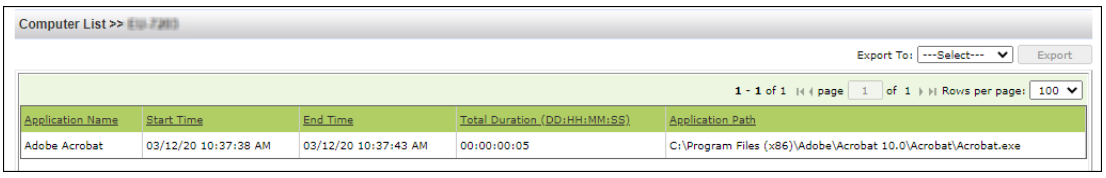
In the navigation panel, click **User Activity** > **Application Access Report**.
The log displays list of files and the type of operation performed on them. Options for Filtering or Exporting the log in desired formats are also present on the same interface.



By clicking on the duration present under **Total Duration (DD:HH:MM:SS)** column, you will get the details of the computer name accessed the app and duration.



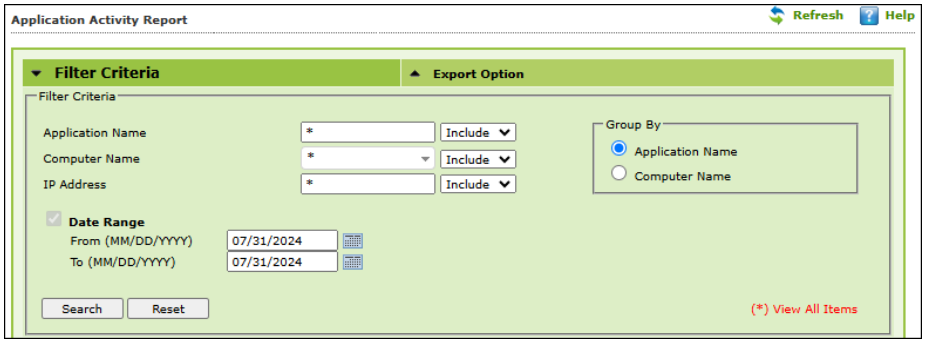
Again, if you click on the duration, you will get detailed view of the app accessed by the computer along with the date, time, and application path.



You can export this report in PDF, CSV, and HTML format.

Filtering Application Access Report

To filter file activities, click **Filter Criteria** field. Filter Criteria field expands.



Filter Criteria lets you filter and generate the log according to your preferences. The checkbox selected will be added as a column in the report.

Application Name
Entering the Application name displays suggestions. Select the appropriate application.

Computer Name
Click the drop-down and select the preferred computer(s).

IP Address
Click the drop-down and select the preferred IP Address.

Group By
The results can be grouped by Application name or Computer name.

Date Range
To search the log between specific dates, select **Date Range** checkbox. Afterwards, click the calendar icon and select **From** and **To** dates.

After entering data in all fields, click **Search**. The Application Access Report will be filtered according to your preferences.

Exporting Application Access Report

To export the generated report, click **Export Option**. Export Option field expands.
Select the preferred option and then click **Export**.
A success message appears.

Click the link to open/download the file.

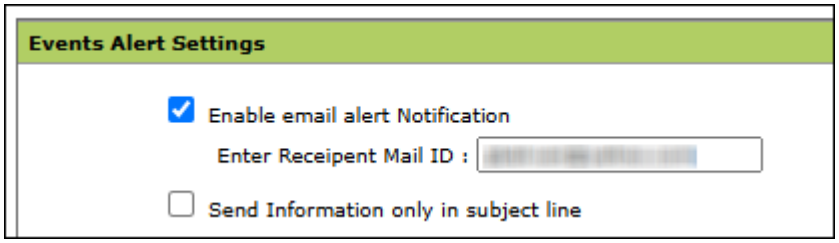
Notifications

This module lets you configure notifications for different actions/incidents that occur on the server. The Notifications module consists following submodules:

- **Event Alert**
- **Unlicensed Move Alert**

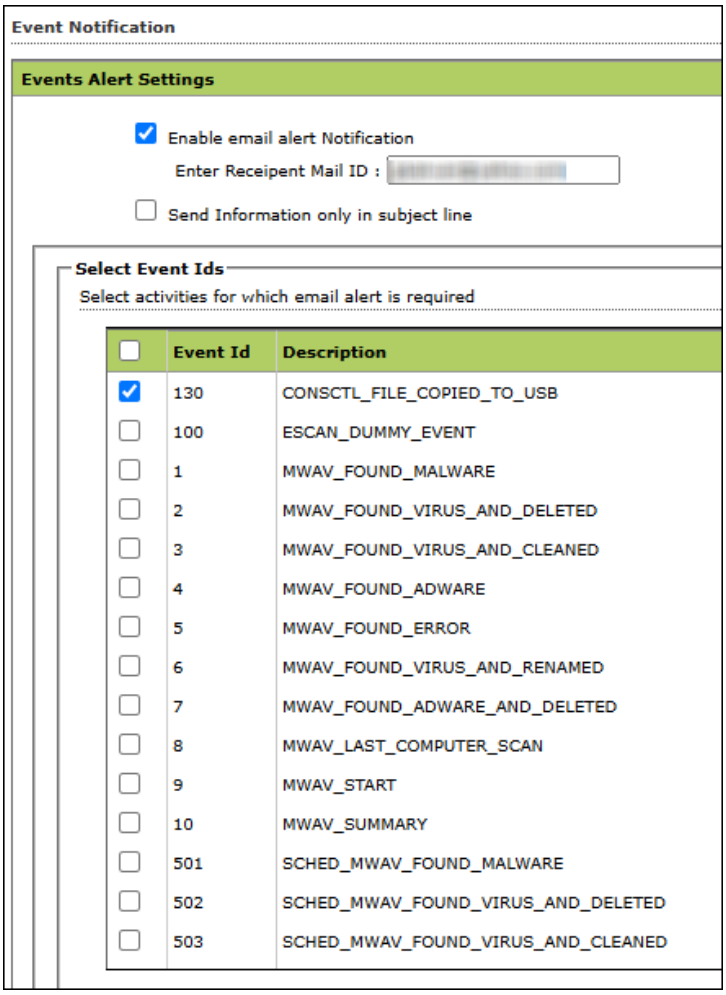
Event Alert

This submodule lets you enable email notifications about any event that occurs on the client computers connected to the server.

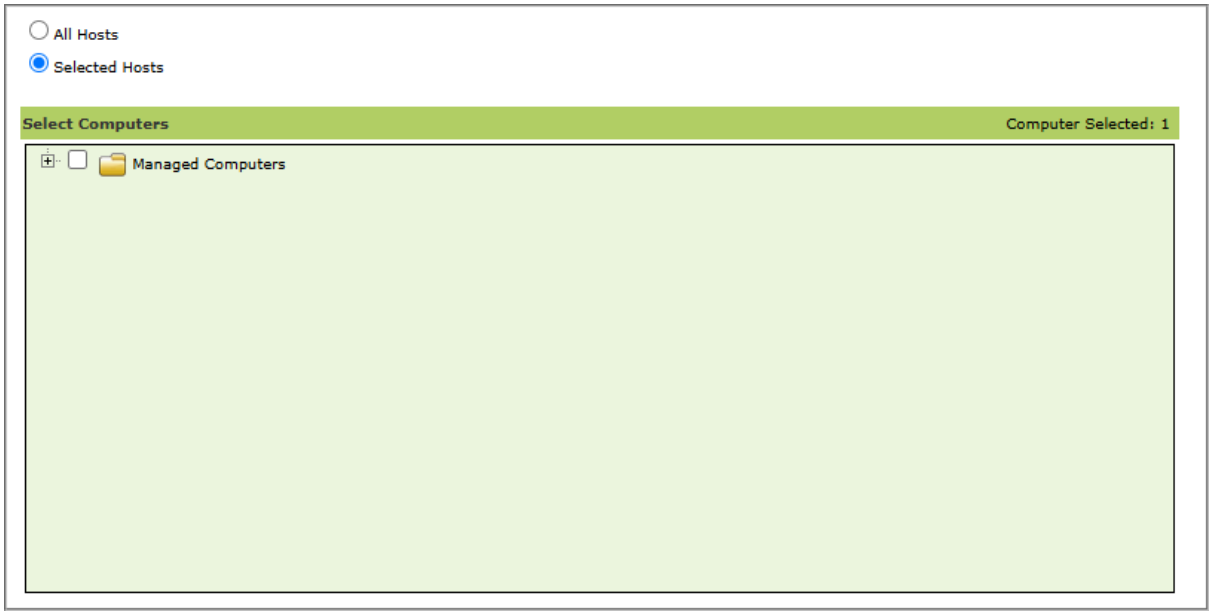


To enable the event alert:

1. In the navigation panel, click **Notifications** > **Event Alert**.
2. Select the checkbox Enable email alert Notification.
3. Select the events from the list for which you prefer an alert.


Event Notification
Events Alert Settings
Enable email alert Notification
Enter Receipent Mail ID :
Send Information only in subject line
Select Event Ids
Select activities for which email alert is required
Event Id
Description
130 CONSCTL_FILE_COPIED_TO_USB
100 ESCAN_DUMMY_EVENT
1 MWAV_FOUND_MALWARE
2 MWAV_FOUND_VIRUS_AND_DELETED
3 MWAV_FOUND_VIRUS_AND_CLEANED
4 MWAV_FOUND_ADWARE
5 MWAV_FOUND_ERROR
6 MWAV_FOUND_VIRUS_AND_RENAMED
7 MWAV_FOUND_ADWARE_AND_DELETED
8 MWAV_LAST_COMPUTER_SCAN
9 MWAV_START
10 MWAV_SUMMARY
501 SCHED_MWAV_FOUND_MALWARE
502 SCHED_MWAV_FOUND_VIRUS_AND_DELETED
503 SCHED_MWAV_FOUND_VIRUS_AND_CLEANED

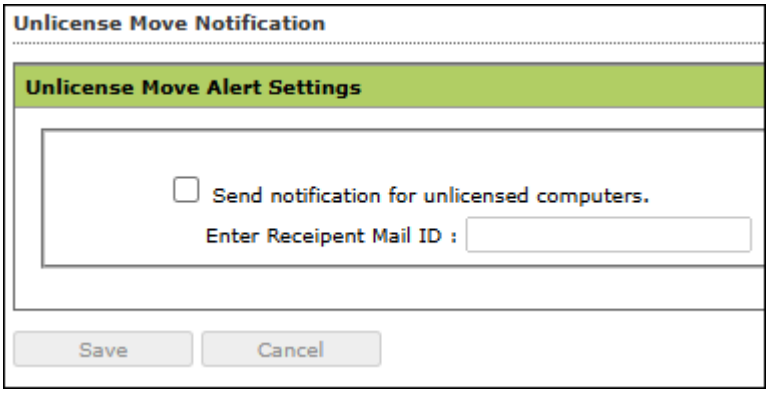
4. Select the required hosts or group.



5. Click **Save.**
   The Event Alert Settings will be saved.

Unlicensed Move Alert

This sub module lets you enable notification alert when a computer automatically moves to Unlicensed Computers category based on the setting done (under events and computers) for the computer which is not connected to the server for a long time.



To enable the unlicensed move alert:

1. In the navigation panel, click **Notifications** > **Unlicensed Move Alert**.
2. Select the checkbox **Send notification for unlicensed computers**.
3. After selecting the checkbox, enter the Recipients Mail ID in the textbox.
4. Click **Save**.
   The Unlicensed Move Alert Settings will be saved.

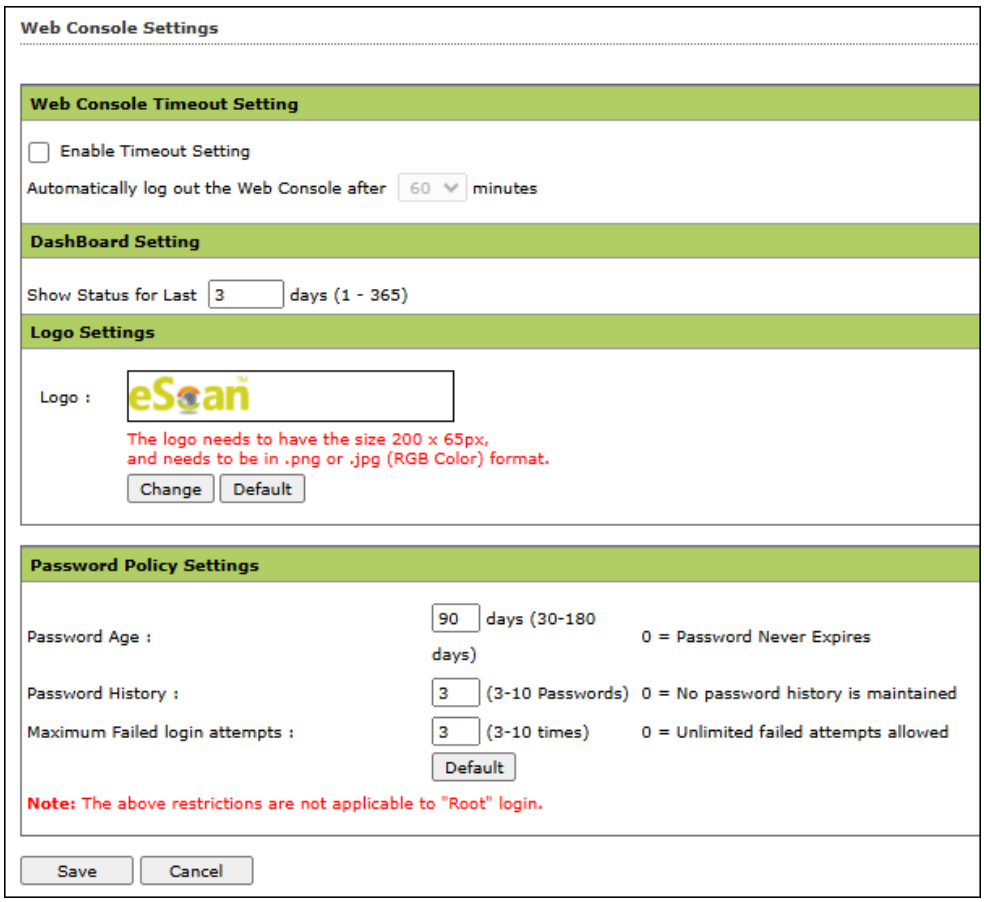
Settings

The Settings module lets you to configure general settings using following submodules:

- **Web Console Settings**: This submodule lets you define settings for web console timeout, Dashboard Settings, Login Page settings, SQL Server Connection settings, SQL Database compression settings.
- **Two-Factor Authentication**: This submodule lets you to add extra layer of protection to your endpoints.
- **Excluded Clients:** This submodule lets you configure the client list to exclude it from auto isolation.

Web Console Settings

Web Console Settings submodule lets you configure web console Timeout, Dashboard, Login Page, SQL Server Connection, SQL Database compression, Password Policy Settings, and Delete Log Settings.



Web Console Timeout Settings

To enable web console Timeout, select **Enable Timeout Setting** option.
After selecting the checkbox, click the drop-down and select the preferred duration.

Dashboard Setting

This setting lets you set number of days for which you wish to View the Status, Statistics and Protection Status Charts in the Dashboard. Enter the preferred number of days.

Logo Settings

This setting allows you to add the organization logo in PNG or JPEG format. So the console and reports will have the uploaded logo for customization.

To have the default eScan logo, click **Default**.

To have customized logo, click **Change**.

Password Policy Settings

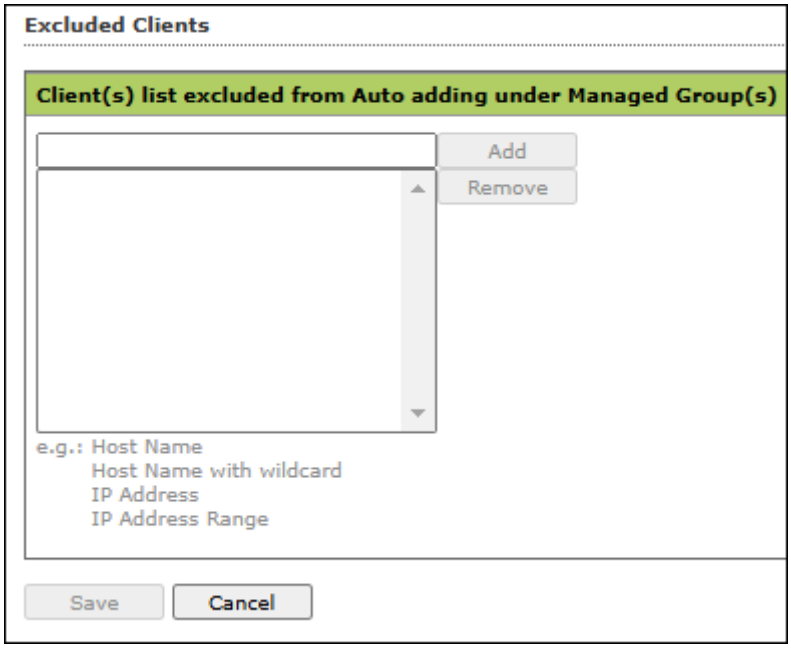
This setting allows the admin to configure the password settings for other users.

- **Password Age**: Enter the preferred value (between 30-180); this will prompt user to reset the password after specified number of days. Here, 0 indicates that password never expires.
- **Password History**: Enter the preferred value (between 3-10); this maintains the password history for specified count. Here, 0 indicates, no password history is maintained.
- **Maximum Failed login attempts**: Enter the preferred value (between 3-10); this will restrict the user from logging after specified attempts. Here, 0 indicates unlimited login attempts.

After making necessary changes, click **Save.** The web console Settings will be updated.

Excluded Clients

The Exclude Client module lets you to configure the client list to exclude it from auto isolation.



1. You can add/remove clients list to exclude it from auto isolation in the below table. To do the same, refer the following:
    - Enter the host name, IP Address, or IP address range and click **Add**.
    - To delete a particular client, select the client and click **Remove**.
2. After configuring accordingly, click **Save.** Excluded Client Settings will be saved.

Two-Factor Authentication (2FA)

The system login password is Single-Factor Authentication which is considered less secured and it may put your organization's data at high risk of compromise. The Two-Factor Authentication, also more commonly known as 2FA, adds an extra layer of protection to your eScan web console login.

The 2FA feature mandates you to enter a Time-based One-Time Password (TOTP) after entering eScan credentials. So, even if somebody knows your eScan credentials, the 2FA feature secures data against unauthorized logins. Only administrator can enable/disable the 2FA feature. It can also be enabled for added users.

To use 2FA login feature, you need to install the Authenticator app for Android devices from Play Store or for iOS devices from App Store on your smart device. The Authenticator app needs camera access for scanning a QR code. If a COD or BYOD policy restricts you from using device's camera in your organization, enter the Account Key in the Authenticator app.

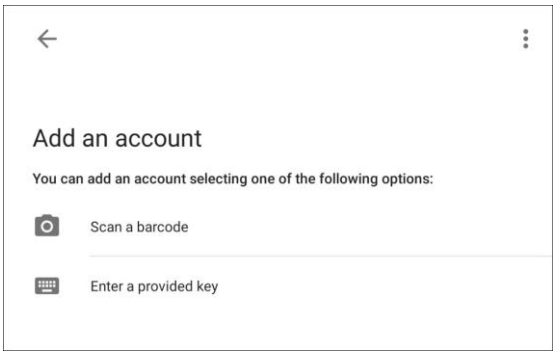
NOTE	Ensure that the smart device's date and time matches with the system's date and time or else TOTPs generated by app won't get validated.

IMPORTANT	We recommend that you save/store the **Account Key** in offline storage or a paperback copy, in case you lose the account access.

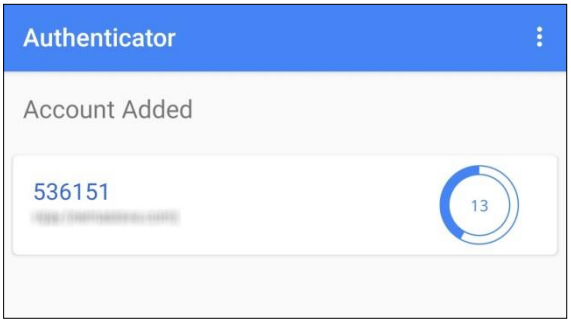
Enabling 2FA login

To enable 2FA login:

1. Go to **Settings** > **Two-Factor Authentication**.
2. Open the Authenticator app.
   After basic configuration following screen appears on smart device.

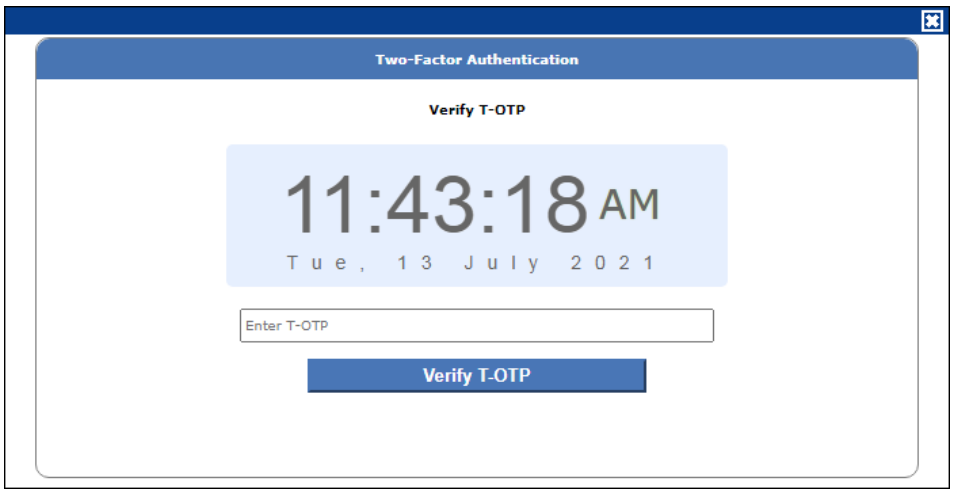


3. Select a preferred option. If you tapped **Scan a barcode**, scan the onscreen QR code via your smart device. If you tapped **Enter a provided key**, enter the Account Key and then tap **ADD**. After scanning the Account QR code or entering Account Key, the eScan server account gets added to the Authenticator app. The app then starts displaying a Time-based One-Time Password (TOTP) that is valid for 30 seconds.

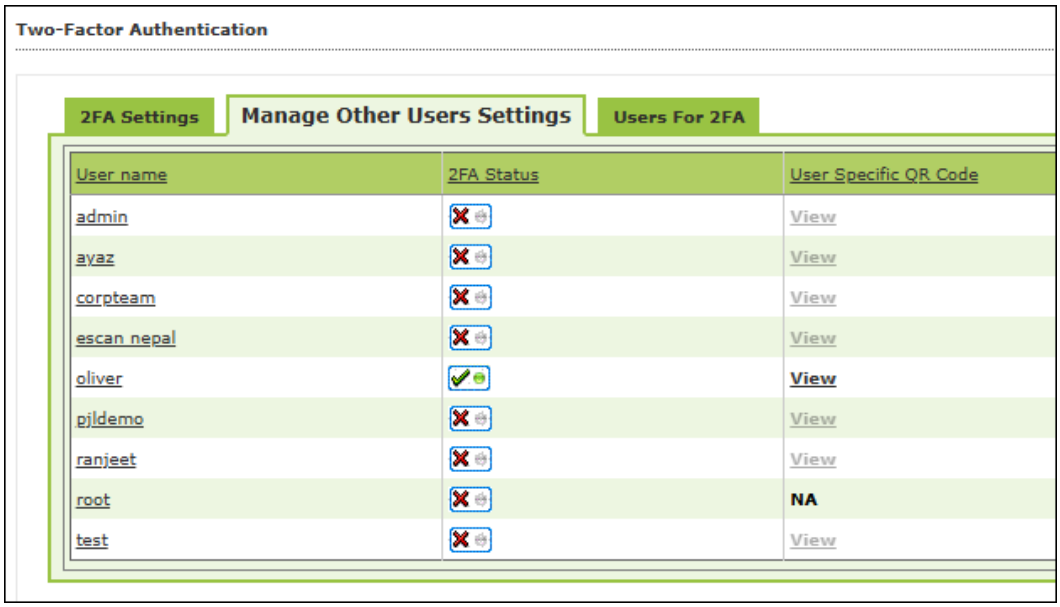


4. Click **Enable Two-Factor Authentication**.

Verify T-OTP window appears.



5. Enter the TOTP displayed on smart device and then click **Verify TOTP**.
   The 2FA login feature gets enabled.
6. To apply the login feature for specific users, click **Manage Other User Settings** tab. The tab displays list of added users and whether 2FA status is enabled or disabled as shown below.
   - 2FA Disabled
   - 2FA Enabled



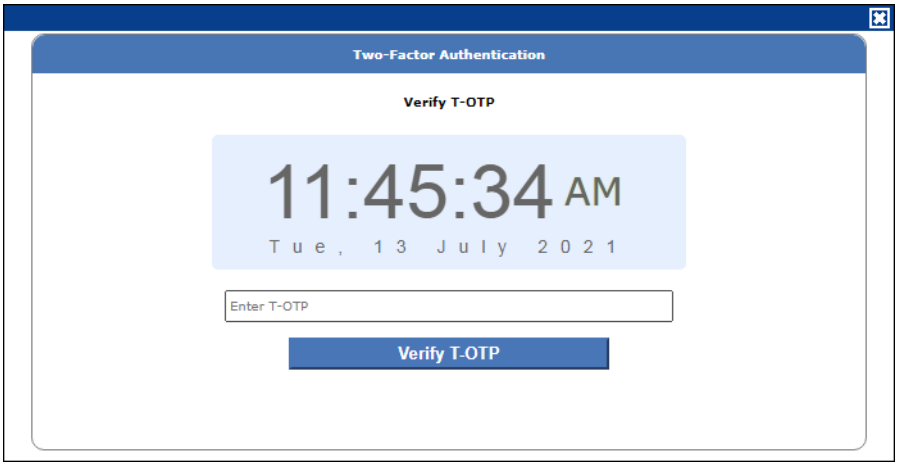
7. To enable 2FA login for an added user, click the button to check icon.
   The 2FA login for added users gets enabled. After enabling the 2FA login for users, whenever they log in to eScan web console Verify TOTP window appears.
8. To view the QR Code of specific user, click **View** option in the User Specified QR Code column.

Disabling 2FA login

To disable 2FA login:

1. Go to **Settings** > **Two Factor Authentication**.
2. Click **Disable Two-Factor Authentication**.

Verify T-OTP window appears.

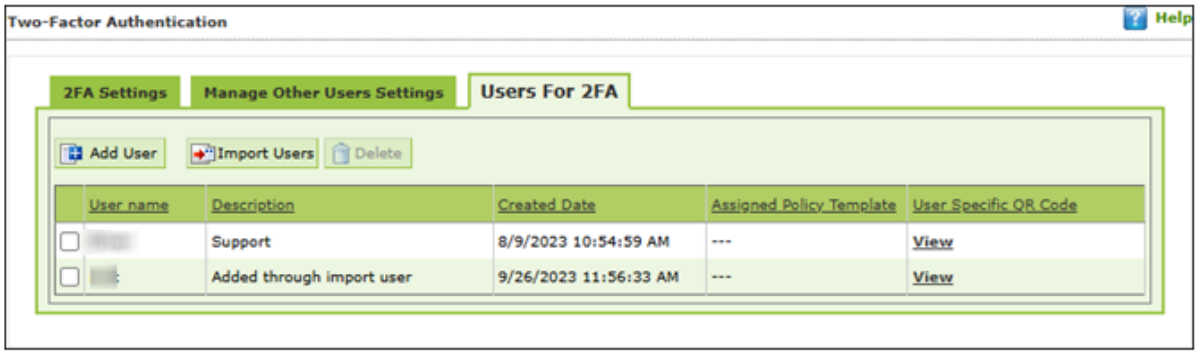


3. Enter the T-OTP and then click **Verify T-OTP**.
   The 2FA feature gets disabled.

NOTE	After disabling the 2FA feature and enabling it again, the 2FA login status will be reinstated for added users.

Users For 2FA

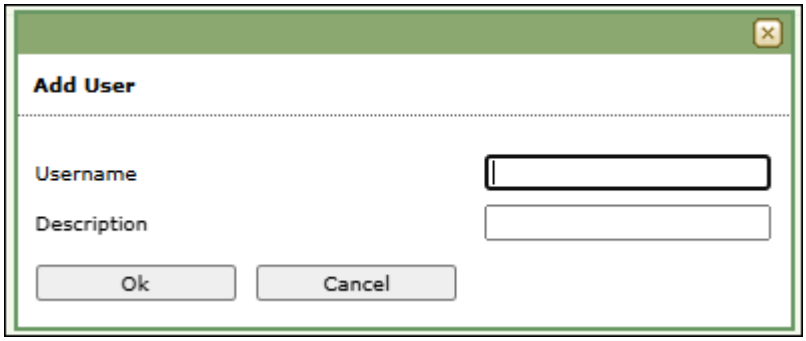
This tab helps to add the users and apply 2FA to the endpoints via policy template. The users can be added directly or from Active Directory.



Method 1: Adding user

To add users for the same, follow the below steps:

1. Go to **Settings** > **Two-Factor Authentication** > **Users For 2FA**.
2. Click **Add User**.
   Add User window appears.



3. Enter the **Username** and **Description**.
4. Click **OK**.

Method 2: Importing Users

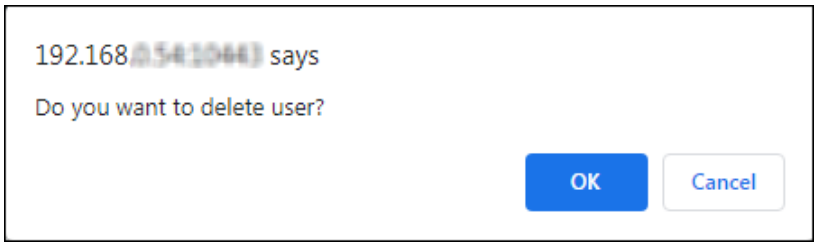
To import the users, follow the below steps:

1. Go to **Settings** > **Two-Factor Authentication** > **Users For 2FA**.
2. Click **Import Users**.
   Import Users window appears.

Deleting Users

To delete the users, follow the below steps:

1. Go to **Settings** > **Two-Factor Authentication** > **Users For 2FA**.
2. Click **Delete**.
   The Confirmation prompt appears.



3. Click **OK**.
   The user will be deleted.

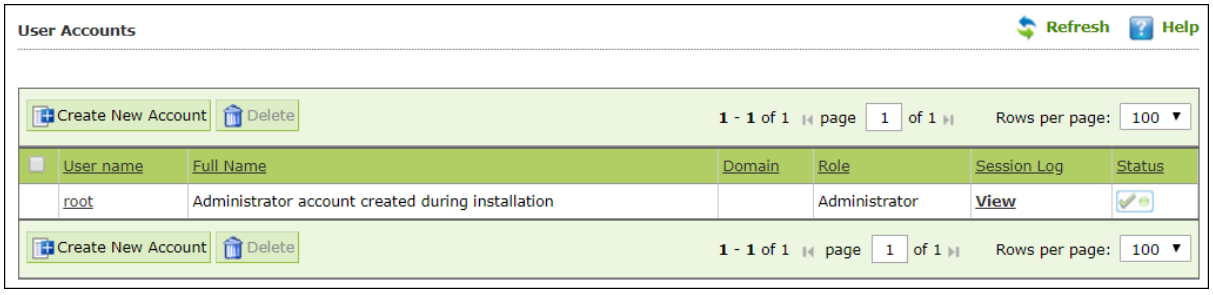
Administration

The Administration module lets you create User Accounts and allocate them Admin rights for using eScan Management Console. In a large organization, installing eScan client on all computers may consume lot of time and efforts. With this option, you can allocate rights to the other employees and allow them to install eScan Client, implement Policies and Tasks.
The Administration module consists following submodules:

- **User Accounts**
- **User Roles**
- **Audit Trail**

User Accounts

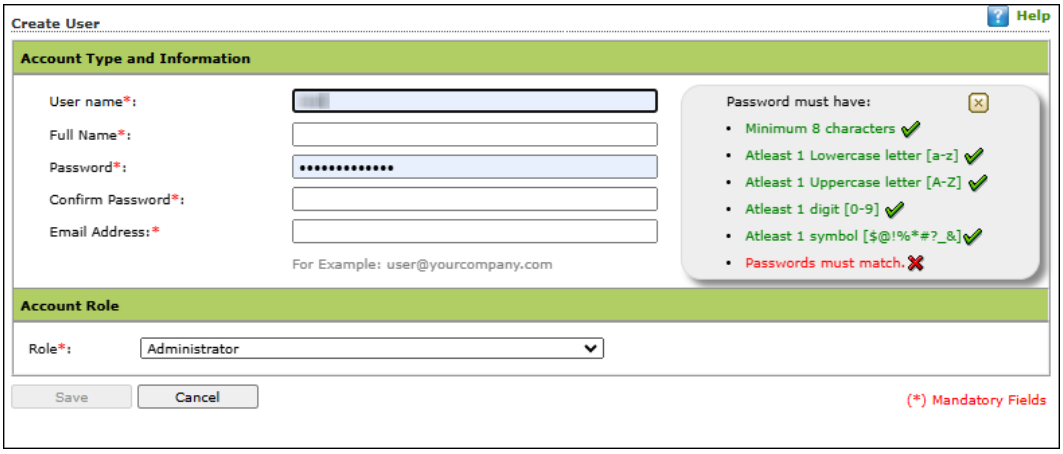
For a large organization, installing eScan Client and monitoring activities may become a difficult task. With User Accounts submodule, you can create new user accounts and assign Administrator role to added users and reduce the workload. This submodule displays a list of users and their details like Domain, Role, Session Log and Status.



Create New Account

To create a User Account:

1. In the User Accounts screen, click **Create New Account**.
   Create User window appears.

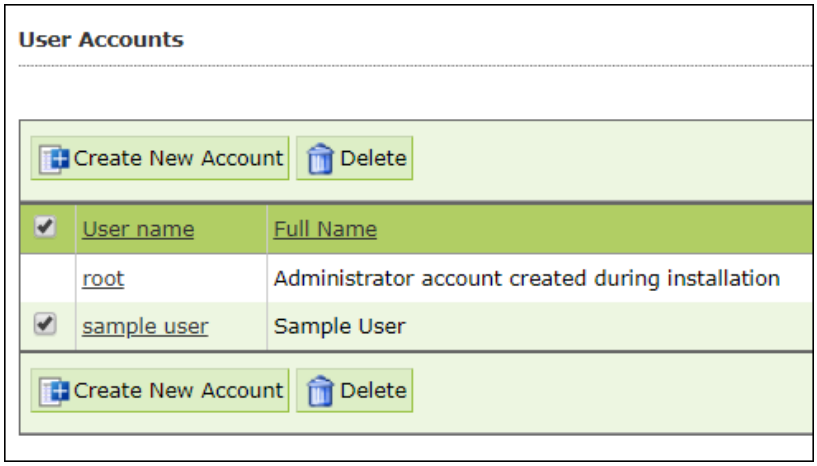


2. After filling all the details, click **Save**.
   The user will be added to the User Accounts list.

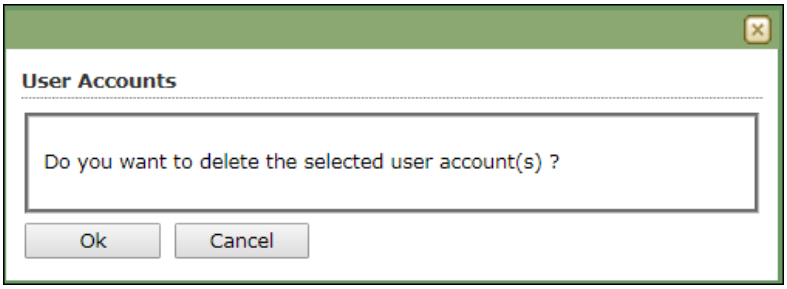
Delete a User Account

To delete a user account:

1. In the User Accounts screen, select the user you want to delete.



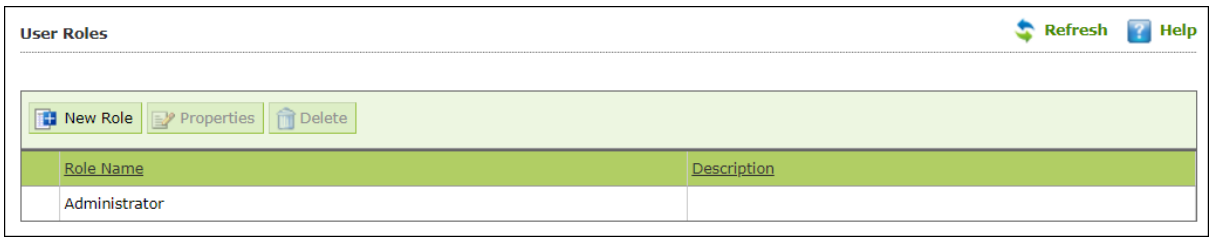
2. Click **Delete**.
   A confirmation prompt appears.



3. Click **OK**.
   The User Account will be deleted.

User Roles

The User Roles submodule lets you create a role and assign it to the **User Accounts** with variable permissions and rights as defined in the role being assigned to them. It can be an Administrator role with set of permissions and rights, Group Admin Role or a Read only Role.

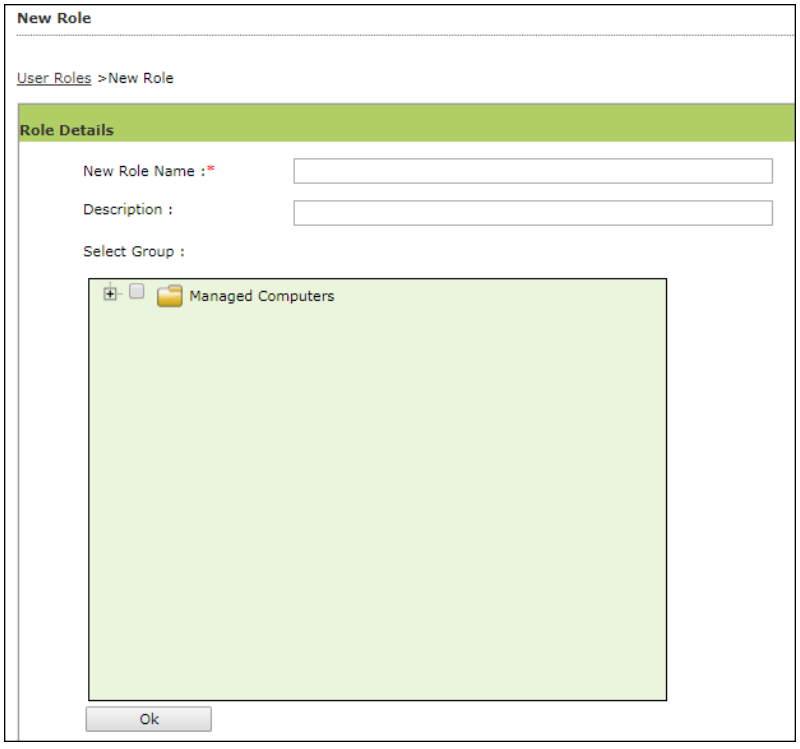


You can re-define the Properties of the created role for configuring access to various section of eScan Management Console and the networked Computers. It also lets you delete any existing role after the task is completed by them. It allows the administrator to give permission to sub administrators to access defined modules of eScan and perform installation/uninstallation of eScan Client on network computers or define Policies and tasks for the computers allocated to them.

New Role

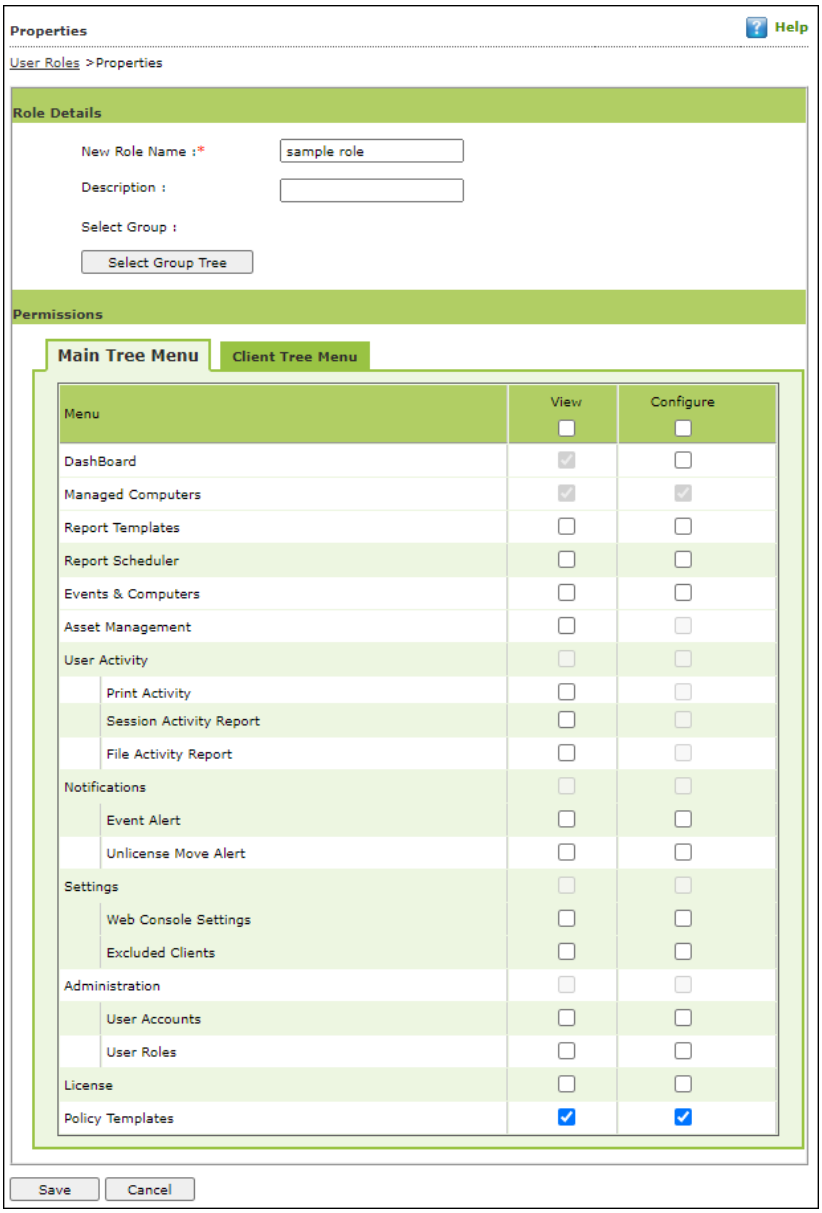
To add a user role:

1. In the User Roles screen, click **New Role**.
   New Role form appears.



2. Enter name and description for the role.
3. Click **Managed Computers** and select the specific group to assign the role.
   The added role will be able to manage and monitor only the selected group's activities.

4. Click **OK.**
   Permissions section appears displaying Main Tree Menu and Client Tree Menu tabs. The Main Tree Menu consists of Navigation Panel Access permissions while the Client Tree Menu consists the permissions for selected group(s) that the user is allowed to take further.

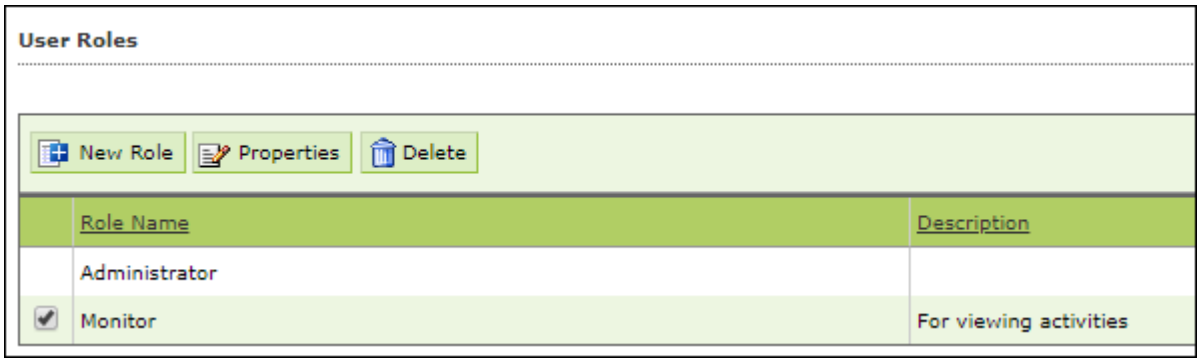


5. Select the checkboxes that will allow the role to view/configure the module.
6. After selecting the necessary checkboxes, click **Save**.
   The role will be added to the User Roles list.

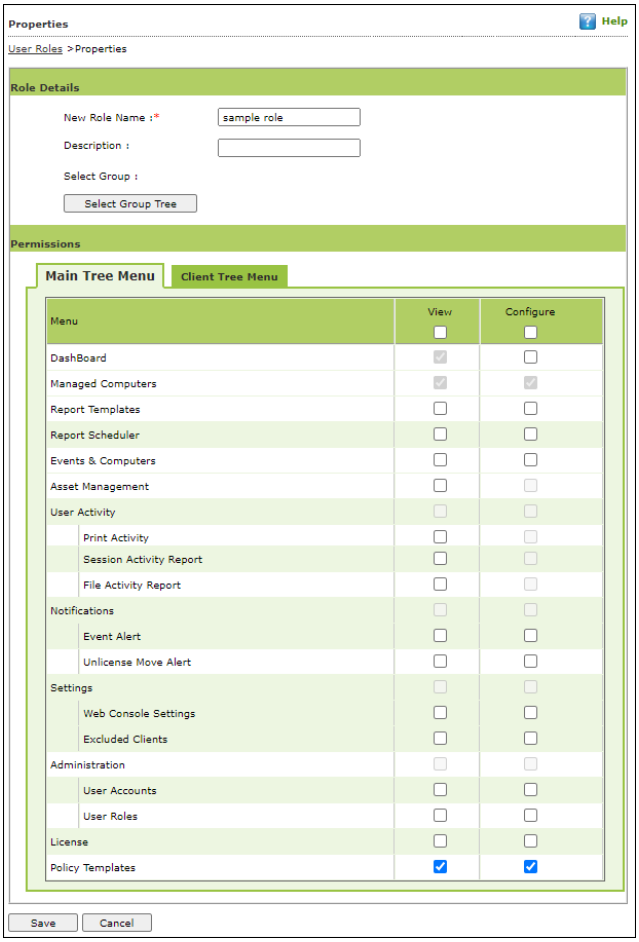
View Role Properties

To view the properties of a role:

1. In the User Roles screen, select a role.
2. This enables **Properties** and **Delete** buttons.

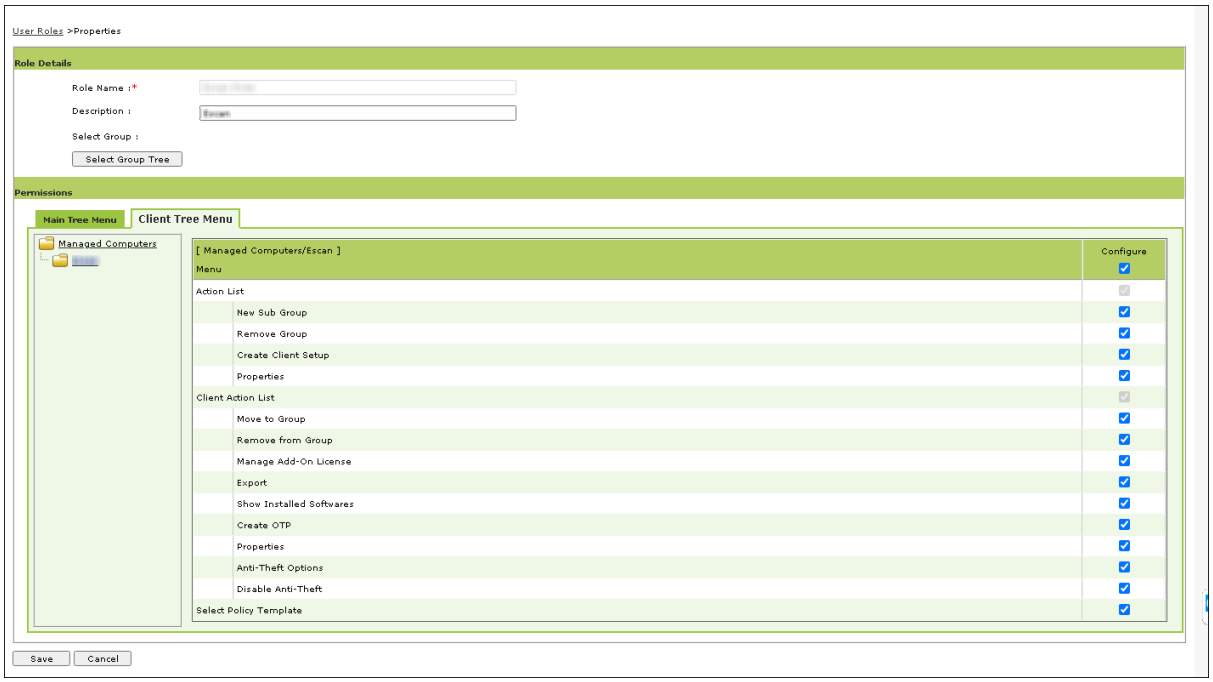


3. Click **Properties**.
   Properties screen appears. It lets you modify role description, permissions for accessing and configuring modules and assign the role to other groups by clicking **Select Group Tree**.



4. To modify client configuration permissions, click **Client Tree Menu**.
   Client Tree Menu

Define the Actions that the created role can configure for the allocated group. The menu has Action List, Client Action List, Select Policy Template, Policy Criteria, and Group Tasks.

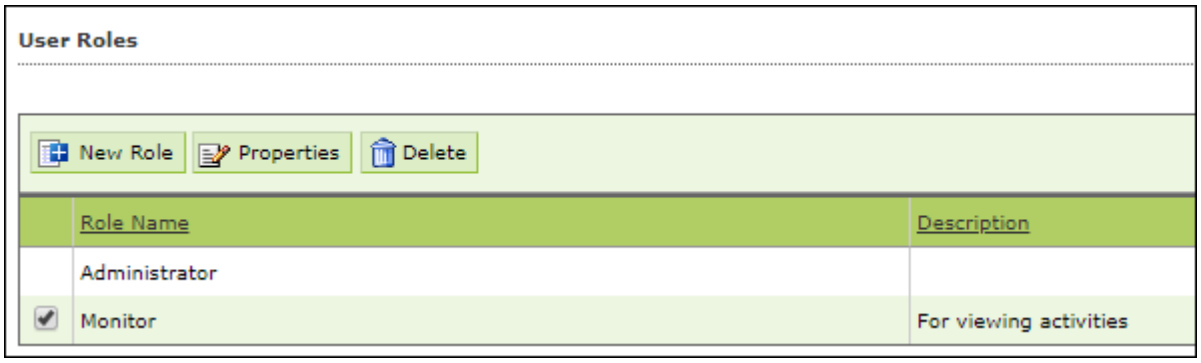


5. To let the role configure these actions, under the Configure column select the checkboxes of corresponding actions.
6. Click **Save**.
   The Role Properties will be updated accordingly.

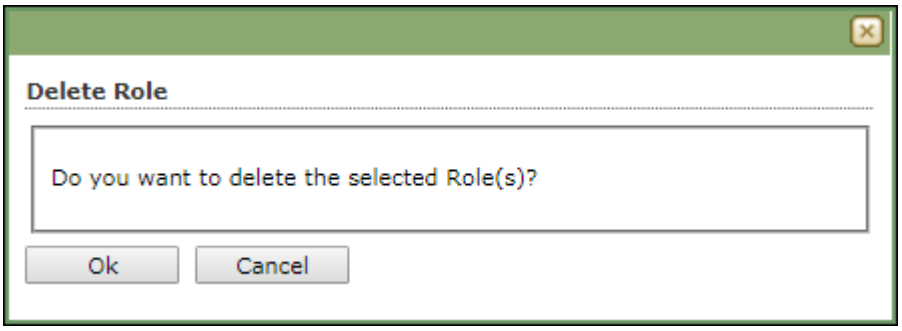
Delete a User Role

To delete a user role:

1. In the User Roles screen, select the user role you want to delete**.**



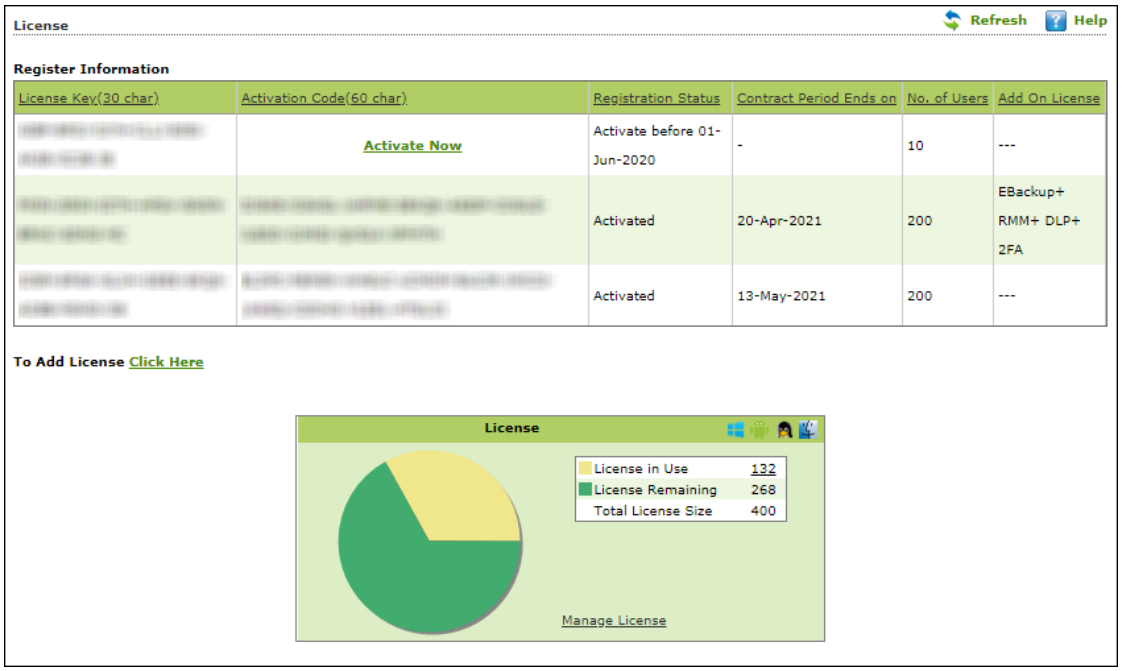
2. Click **Delete**.
   A delete confirmation prompt appears.



3. Click **OK**.
   The User Role will be deleted.

License

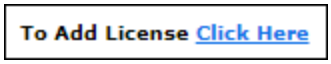
The License module lets you manage user licenses. You can add, activate, and view the total number of licenses available for deployment, previously deployed licenses and remaining licenses with their corresponding values. The module also lets you move the licensed computers to non-licensed computers and vice versa. Here you can also view the number of Add-On licenses along with the names. For example, as you can see here, there are 15 add-on licenses for eBackup feature. The eBackup, 2FA, and DLP features are available through Add-On license(s).



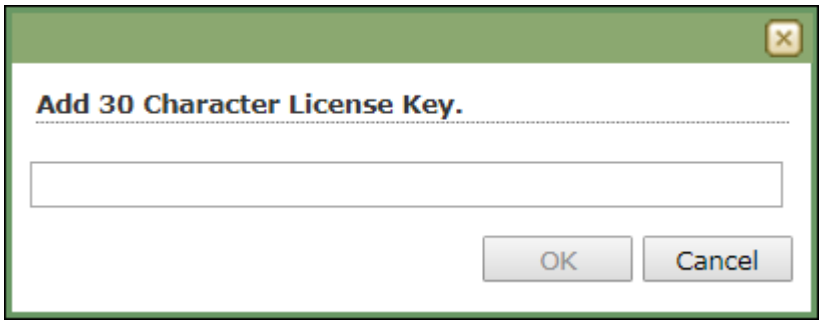
Adding and Activating a License

To add and activate a license:

1. In the License screen, click the **Click Here** link.



Add License Key dialog box appears.

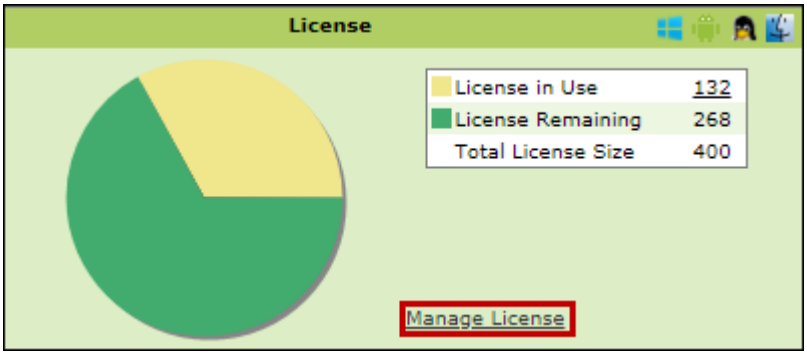


2. Enter the license key and then click **OK**.
   The license key will be added and displayed in the **Register Information** table.

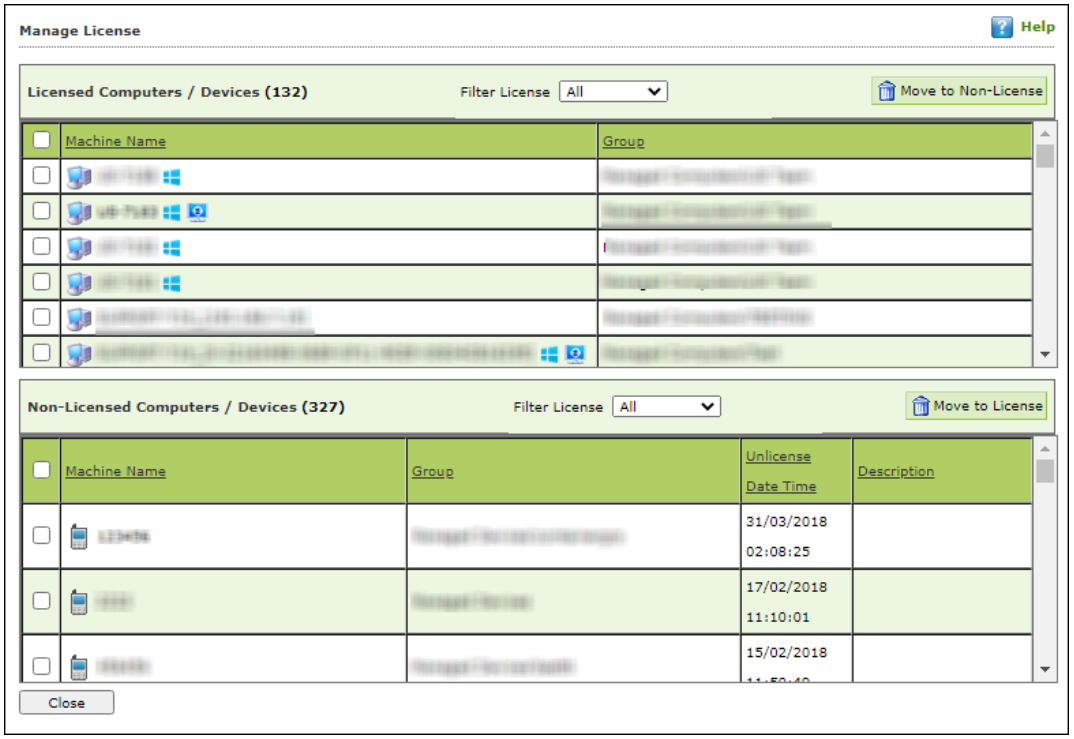
Moving Licensed Computers to Non-Licensed Computers

To move licensed computers to non-licensed computers:

1. In the License statistics box, click **Manage License**.



Manage License window appears.

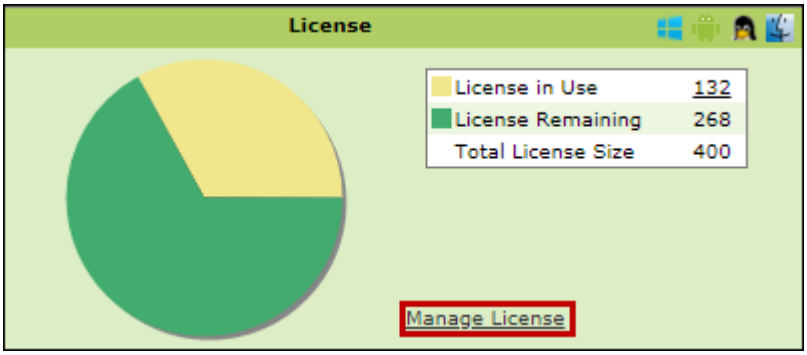


2. Under the Licensed Computers section, select the computer(s) that you want to move to Non-Licensed Computers section.
3. Click **Move to Non-License**.
4. The selected computer(s) will be moved to Non-Licensed Computers section.

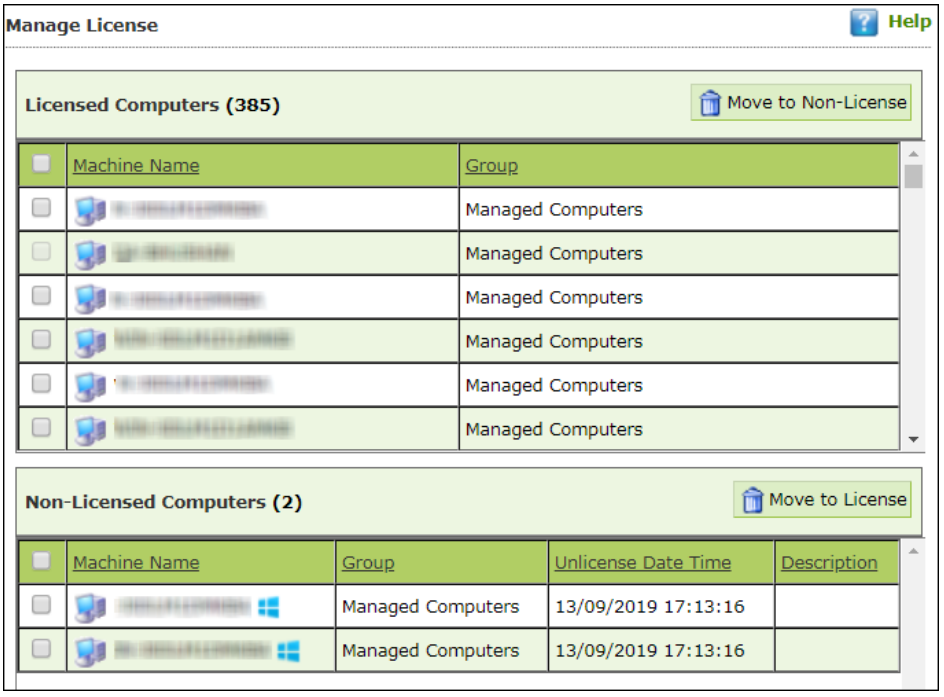
Moving Non-Licensed Computers to Licensed Computers

To move licensed computers to Non-Licensed Computers, follow the steps given below:

1. In the License statistics box, click **Manage License**.



Manage License window appears.



2. Under the Non-Licensed Computers section, select the computer(s) that you want to move to Licensed Computers section.
3. Click **Move to License**.
4. The selected computer(s) will be moved to Licensed Computers section.

Contact Us

We offer 24/7 free online technical support to our customers through email and live chat. We also provide free telephonic support to customers during our business hours.

Before you contact technical support team, ensure that your system meets all the requirements and you have Administrator access to it. Also, ensure that a qualified person is available at the system in case it becomes necessary to replicate the error/situation.

Ensure that you have the following information when you contact technical support:

- Endpoint hardware specifications
- Product version in use and patch level
- Network topology and NIC information
- Gateway, IP address and router details
- List of hardware, software and network changes if any carried out
- Step-by-step description of error/situation
- Step-by-step description of troubleshooting if any attempted
- Screenshots, error messages and log/debug files

In case you want the Technical Support team to take a remote connection:

- IP address and login credentials of the system

Forums

Join the **Forum** to discuss eScan related problems with experts.

Chat Support

The eScan Technical Support team is available round the clock to assist you with your queries via **Live Chat**.

Email Support

If you have any queries, suggestions and comments regarding our products or this User Guide, write to us at **support@escanav.com**