



4PSA Clean Server 2.0.5
for Plesk 7.x Reloaded
User's Guide

Manual Version 1.02

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Chapter 1. About 4PSA Clean Server 2.0.5

4PSA Clean Server 2.0.5 is a server-level application that provides virus protection for mailboxes on Plesk 7.x Reloaded servers. 4PSA Clean Server 2.0.5 has independent administrator, client and domain user modules to offer advanced, browser based management of the mailbox virus protection services.

4PSA Clean Server 2.0.5 Features

- Separate administrator, client, domain user and email user modules
- Antivirus protection of entire domains
- Antivirus protection of separate mailboxes
- Client and domain user management permissions
- Engine processing statistics (mail processed, infected messages identified)
- Advanced, administrator manageable hosting resellers support
- Separate per domain settings
- Options to alert email recipient, email sender and server administrator
- Alert text defined by server administrator
- Overnight virus definitions update with interface report and button to force updates
- Advanced rendering engine for real time graphs generation
- Hosting business administrator branding capabilities
- Administrator level management settings:
 - Newly added domains' protection
 - Newly added clients 4PSA Clean Server access permissions
 - Permissions for clients
 - Statistics saving and resetting
 - Maximum email size scanning
 - Set email attachment extensions that are considered infected emails
 - Drop attachments with double extensions

- Drop malformed emails (Email that CAN NOT be downloaded by Outlook clients)
- Various report levels available for administrator and clients
- Language packs support

Chapter 2. The Administrator Module

The 4PSA Clean Server administrator module can be accessed after you login to Plesk 7.x Reloaded using the admin account. In order to open the 4PSA Clean Server interface click the [4PSA Clean Server](#) link available in the Custom navigation menu located on the left side of the Plesk interface.



Note

When you install the product for the first time no client is allowed to access 4PSA Clean Server and no access link is available in the navigation menu. In order to give access rights to your hosting customers you must access 4PSA Clean Server after you login as admin to your Plesk 7.x Reloaded server. Then check the Permissions area to give access permissions to your clients. Further information is available in this chapter.

The 4PSA Clean Server tool bar is available on top of the application's interface. The tool bar provides an easy method for the server administrator to setup domains and mailbox protection, give protection management permissions to clients and domain users, view server wide statistics, view various maintenance and operating reports, setup server-wide settings for 4PSA Clean Server, change interface settings, and manage the 4PSA Clean Server license key.

1. Protecting Domains Globally

The server administrator can protect entire domains against virus-infected messages in the Domains area. In order to access this area, the administrator must click the **Domains** button available in the tool bar.

In this area the server administrator can view a list of all domains hosted on server. Next to the domain names 4 columns display the following information:

Protected mailboxes – The number of protected mailboxes on the domain

Total mailboxes – The total number of mailboxes on the domain


Infected – The number of email messages received by the protected mailboxes of the corresponding domain and detected by 4PSA Clean Server to be virus-infected

Total - The total number of email messages processed by the 4PSA Clean Server on that domain



Note

These statistics are available only if at least one mailbox that belongs to that domain is protected by 4PSA Clean Server and if the **Save statistics** option is enabled in the Settings area.

Next to these columns the  **Stats** icon is available for each domain in the list. By clicking on the this icon, the server administrator will be able to view the statistics available for the chosen domain


Protecting the Entire Domain

Protecting a domain means that all mailboxes available under this domain will be protected against virus-infected messages. All the mailboxes added later to a protected domain will be automatically protected by 4PSA Clean Server.

To protect an entire domain, check the "Protect" checkbox for the chosen domain and click **Update**. You can later disable domain protection by unchecking the same checkbox and clicking **Update**.

The domain protection can be enabled/disabled for multiple domains at the same time.

Domain Statistics

To view the statistics for an entire domain, the server administrator must click the  **Stats** icon corresponding to the chosen domain. A graphic with the domain statistics is available in this area. These statistics are based on the total number of emails received for the protected mailboxes of the selected domain and the number of infected messages received on those mailboxes.



Note


The domain statistics are available only if at least one mailbox that belongs to that domain is protected by 4PSA Clean Server and if the **Save statistics** option is enabled in the Settings area.

Domain Statistics Graph

In this graph one curve represents the total number of emails received by the protected mailboxes of the selected domain and the other curve represents the number of infected messages received by these protected mailboxes. The server administrator can change the look of this graph in the Customize area below. The oX axis displays the selected time period and the oY axis the total number of emails received by the protected mailboxes of the selected domain.

Customize

In this area the server administrator can change the time interval displayed in the graph and the graph's look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the server administrator must click on the  **Calendar** icon.

Infected color - The color for the curve that displays the number of infected email messages received by the protected mailboxes of the selected domain

Totals color - The color for the curve that displays the total number of emails received by the protected mailboxes of the selected domain

Dots color - The color of the dotted lines across the graph

Label color - The color of the labels on the axis of the graph

Axis color - The color of the oX and oY axis

Arrow color - The color of the arrows at the end of the axis

Graph background color - The background color for the plotted region

Canvas background color - The background color for the entire canvas (beyond the plotted region)

Domain Statistics

In this area 4PSA Clean Server displays information about the domain statistics.

Total - The total number of emails received by the protected mailboxes of the selected domain

Infected - The number of infected email messages received by the protected mailboxes of the domain

Average processed - The average number of email messages received by the protected mailboxes of the domain and processed every day

Average infected - The average number of infected email messages received per day by the protected mailboxes of the domain

Minimum processed - The number of emails and the date when the minimum number of messages was received by the protected mailboxes of the domain

Minimum infected - The number of infected emails and the date when the minimum number of virus infected messages was received by the protected mailboxes of the domain

Maximum processed - The number of emails and the date when the maximum number of messages was received by the protected mailboxes of the selected domain

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by the protected mailboxes of the domain

Percent infected - The percentage of infected emails from the total number of emails received by the protected mailboxes of the domain

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by the protected mailboxes of the domain

Worst day - The percentage of infected emails and the date with the biggest percentage of infected emails received by the protected mailboxes of the domain


The **Reset** button available in this area allows the server administrator to clear statistics for the selected domain. Both infected and total statistics for the domain will be reset. The global statistics available in the Settings area will be updated by this reset.


Domain Settings

The server administrator can manage domain specific settings. In order to enter this area, follow the link on the chosen domain name.

Protect the Entire Domain - Protecting the domain means that all mailboxes available under this domain will be protected against virus-infected messages. All the mailboxes added later to a protected domain will be automatically protected by 4PSA Clean Server.

Use server settings - When enabled, the server wide settings will be used for the selected domain.

Alert email Recipient - When enabled, the email message recipient receives a warning message with the text contained in the text area. The warning message can be edited to suit your needs, just click on the corresponding  icon.

Alert email Sender - When enabled, a warning message with the text contained in the text area is delivered to the address from where the infected message was sent. The warning message can be edited to suit your needs, just click on the corresponding  icon.

Sender of alert email - From the email address specified in this field originate the alert emails sent when the above options are enabled. This address will appear in the "From" field of the alert email message.

Virus alert subject - This field contains the subject of the alert email sent when 4PSA Clean Server detects a message to be virus-infected.

Protecting Individual Mailboxes

The server administrator can protect individual mailboxes from virus-infected messages. The number of protected mailboxes for every hosted domain is available in the Protected Mailboxes column.

In this area the server administrator can view a list of all mailboxes that belong to the selected domain. Next to the mailbox names five columns are available:


Infected - The number of email messages received on the corresponding mailbox and detected by 4PSA Clean Server to be virus-infected


Total - The total number of email messages received on the corresponding mailbox and processed by the 4PSA Clean Server



These statistics are available only if the corresponding mailbox is protected by 4PSA Clean Server and if the **Save statistics** option is enabled in the Settings area.

When no messages are processed, - is displayed in the Infected and Total columns on the corresponding mailbox row.

Stats - By clicking the  icon, the server administrator will be able to view the statistics available for the chosen mailbox

R - By clicking the  icon, the server administrator will reset the statistics available in the Infected and Total columns for the corresponding mailbox. The global statistics available in the Settings area will be updated by this reset.

Protect - To protect a mailbox check the "Protect" checkbox for the chosen mailbox and click **Update**. You can later disable mailbox protection by unchecking the

same checkbox and clicking **Update**. The mailbox protection can be enabled/disabled for multiple mailboxes at the same time.



Note

When a domain is protected, all its mailboxes are protected and the corresponding “Protect” checkboxes are grayed out.

Mailbox Statistics

To view the statistics for a selected mailbox, the server administrator must click the **Stats** icon corresponding to the chosen mailbox. A graphic with the mailbox statistics is available in this area. These statistics are based on the total number of emails received for the selected mailbox and the number of infected messages received on that mailbox.



Note

These statistics are available only if the mailbox is protected by 4PSA Clean Server and if the **Save statistics** option is enabled in the Settings area.

Mailbox Statistics Graph

In this graph one curve represents the total number of emails received by the selected mailbox and the other curve represents the number of infected messages received by this mailbox. The server administrator can change the look of this graph in the Customize area below. The oX axis displays the selected time period and the oY axis the total number of emails received by the selected mailbox.

Customize

In this area the server administrator can change the time interval displayed in the graph and the graph’s look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the server administrator must click on the calendar icon.

Infected color - The color for the curve that displays the number of infected email messages received by the selected mailbox

Totals color - The color for the curve that displays the total number of emails received by the selected mailbox

Dots color - The color of the dotted lines across the graph

Label color - The color of the labels on the axis of the graph

Axis color - The color of the oX and oY axis

Arrow color - The color of the arrows at the end of the axis

Graph background color - The background color for the plotted region

Canvas background color - The background color for the entire canvas (beyond the plotted region)

Mailbox Statistics

In this area 4PSA Clean Server displays information about the mailbox statistics.

Total - The total number of emails received by the selected mailbox

Infected - The number of infected email messages received by the selected mailbox

Average processed - The average number of email messages received by the selected mailbox and processed every day

Average infected - The average number of infected email messages received every day by the selected mailbox

Minimum processed - The number of emails and the date when the minimum number of messages was received by the selected mailbox

Minimum infected - The number of infected emails and the date when the minimum number of virus infected messages was received by the selected mailbox

Maximum processed - The number of emails and the date when the maximum number of messages was received by the selected mailbox

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by the selected mailbox

Percent infected - The percentage of infected emails from the total number of emails received by the selected mailbox

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by the selected mailbox

Worst day - The percentage of infected emails and the date with the biggest percentage of infected received by the selected mailbox

The **Reset** button available in this area allows the server administrator to clear statistics for the selected mailbox. Both infected and total statistics for the mailbox will be reset. The global statistics available in the Settings area will be updated by this reset.

2. Management Permissions

In this area (click the **Permissions** button located in the tool bar) the server administrator can grant 4PSA Clean Server management permissions to clients and domain users on the Plesk server. This means that clients and domain users will be able to choose for themselves which domains or mailboxes to protect against virus-infected messages.

To grant management permissions to a client, check the “Allow access” checkbox on the chosen client row and click **Update**. The administrator can later disable management permissions by unchecking the same checkbox and clicking **Update**. When management permissions are granted to a client, a custom link will be displayed in the Plesk navigation menu available in that client account. This link will be automatically removed when the management permissions are revoked.

The server administrator can grant/revoke management permissions for multiple clients at the same time.



Note

If you disable management permissions for a client, all domain users on the domains belonging to that client will not be able to access 4PSA Clean Server. The [4PSA Clean Server](#) link will also no longer be available in the navigation menu.

To grant management permissions to a domain user, click the name of the client who owns the domain for which you want to enable management permissions. In the domains list that appears in the next page, check the “Allow access” checkbox corresponding to the chosen domain and click **Update**. You can later disable management permissions by unchecking the same checkbox and clicking **Update**.

The management permissions can be granted / revoked for multiple domain users at the same time.



Note

You must grant management permissions to the client owning the domain in order to grant management permissions to his domain users.

3. Statistics


In this area (click the **Statistics** button available in the tool bar) the server administrator can view a graph and information about the server wide statistics. These statistics are based on the total number of emails received for the protected mailboxes and the number of infected messages received by these protected mailboxes on the server.

Server Statistics Graph

On this graph one curve represents the total number of emails received by the protected mailboxes on the server and the other curve represents the number of infected messages received by these protected mailboxes. The server administrator can change the look of this graph in the Customize area below. The oX axis displays the selected time period and the oY axis the total number of emails received by the protected mailboxes on the server.

Customize

In this area the server administrator can change the time interval displayed in the graph and the graph's look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the server administrator must click the  **Calendar** icon

Infected color - The color for the curve that displays the number of infected email messages received by the protected mailboxes on the server

Totals color - The color for the curve that displays the total number of emails received by the protected domains and mailboxes on the server

Dots color - The color of the dotted lines across the graph

Label color - The color of the labels on the axis of the graph

Axis color - The color of the oX and oY axis

Arrow color - The color of the arrows at the end of the axis

Graph background color - The background color for the plotted region

Canvas background color - The background color for the entire canvas (beyond the plotted region).

Server Statistics

In this area 4PSA Clean Server displays the server wide statistics.

Total - The total number of emails received by the protected mailboxes on the server

Infected - The number of infected email messages received by the protected mailboxes on the server

Average processed - The average number of email messages processed per day and received by the protected mailboxes on the server

Average infected - The average number of infected email messages received per day by the protected mailboxes on the server

Minimum processed - The number of emails and the date when the minimum number of messages was received by the protected mailboxes on the server

Minimum infected - The number of infected emails and the date when the minimum number of virus-infected messages was received by the protected mailboxes on the server

Maximum processed - The number of emails and the date when the maximum number of messages was received by the protected mailboxes on the server

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by the protected mailboxes on the server

Percent infected - The percentage of infected emails from the total number of emails received by the protected mailboxes on the server

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by the protected mailboxes on the server

Worst day - The percentage of infected emails and the date with the biggest percentage of infected emails received by the protected mailboxes on the server

The **Reset** button available in this area allows the server administrator to reset statistics for the entire server. Both infected and total statistics for the entire server will be reset.


4. Settings

In this area (click the **Settings** button available in the tool bar) the server administrator can view details about the 4PSA Clean Server installation, define alert messages, enable/disable options that reduce the administration effort, and change interface settings.

4PSA Clean Server Reports

This area provides the following information about 4PSA Clean Server:

Product version - The version of the 4PSA Clean Server installed on the server

Virus definitions last successful update - The date and time when the virus definitions were last updated. To update the available virus definitions, the server administrator must click on the  icon

Total number of protected mailboxes - The total number of protected mailboxes on the server

Total number of infected emails - The total number of email messages received by the protected mailboxes on the server and identified as infected by 4PSA Clean Server

Total number of scanned emails - The total number of email messages received by the protected mailboxes on the server and processed by 4PSA Clean Server

Email Alert Settings

In this area the server administrator can set the alert messages, which are provided to the email recipient, email sender and server administrator. When a message is detected to be virus-infected, multiple warning messages can be sent according to 4PSA Clean Server settings:

Alert email Recipient - When enabled, the email message recipient receives a warning message with the text contained in the corresponding text area. The warning message can be edited according to the hosting business policy.

Alert email Sender - When enabled, a warning message with the text contained in the corresponding text area is delivered to the address where the infected message was sent from. The warning message can be edited according to the hosting business policy.

Alert server Administrator - When enabled, a warning message with the text contained in the corresponding text area is sent to the email address specified in the **Administrator Email** field. The warning message can be edited according to the hosting business policy.

Administrator Email - This field contains the email address of the server administrator. Warning messages will be sent to this address when the **Alert server Administrator** option is enabled.

Sender of alert email - The alert emails sent when the options above are enabled originate from the email address specified in this field. This address will appear in the "From" field of the alert email message.

Virus alert subject - This field contains the subject of the alert email sent when 4PSA Clean Server detects a message to be virus-infected.

Forbidden extensions alert subject - This field contains the subject of the alert email sent when 4PSA Clean Server detects that a message has attached files

with at least one of the forbidden file extensions specified in the **Forbidden file extensions** field below.

Double extensions alert subject – This field contains the subject of the alert email sent when 4PSA Clean Server detects that a message has attachments with double extension and the **Drop emails that contain attachments with double extension** option is enabled.



Tip

These alerts require additional server resources. To minimize system load and increase efficiency it is recommended to enable only the **Alert email Recipient** option.

Advanced Settings

In the Advanced settings area, several options are available that reduce the administration effort.

Forbidden file extensions – In this field you can add file extensions separated by comma. When email messages containing files with these extensions are received, they are automatically considered to be virus-infected.

Drop emails that contain attachments with double extension – When enabled, emails that contain attachments with double extension like `file.pif.exe` are dropped.

Maximum file size for scanning – Email attachments that are bigger than the specified value (in Kb) are not scanned. These are not considered to be virus-infected.



Note

When the files included in these attachments have extensions specified in the **Forbidden file extension** field, the messages are considered to be virus-infected.

Drop malformed emails – When enabled, email messages that have malformed headers are dropped by 4PSA Clean Server. These messages are not considered to be virus-infected, but they are automatically dropped.

Allow 4PSA Clean Server access to new clients and domains - When enabled, all newly added clients and domain users will have access to 4PSA Clean Server.

Automatically protect new domains - When enabled, all newly added domains are automatically protected.

Allow clients to set permissions and activate protection for domain - When enabled, clients are able to change 4PSA Clean Server access permissions for their domain users and to protect their domains. Disable this option to prevent abuses.

Save Statistics - When this option is enabled, usage statistics are saved for every domain that has at least one mailbox protected by 4PSA Clean Server. Statistics can be found in the Domains area in the Infected and Total columns.

Interface Settings

In this area the server administrator can choose the interface settings.

Language - Allows the server administrator to select the language that will be used by 4PSA Clean Server's interface.

Custom button title - The name of the custom button in the left panel. The server administrator can change the default 4PSA Clean Server with a more descriptive name for his clients.

Context help - The 4PSA Clean Server application description that will appear in the left navigation panel.

5. License Management

In this area you can manage the 4PSA Clean Server license. In order for 4PSA Clean Server to work correctly, a valid license key must be loaded. The license key must be generated by 4PSA based on your server IP and Plesk version installed on your server.

License key - The license key number. This is the key currently loaded on your server.

License key status - The status of the currently loaded license key.

Your server IP - The main IP address of your server. This is the IP for which the license key must be issued in order to work on this server. If the license is issued for another IP, it will not work.

License file - You can use this form in order to upload the license key to the server. The license key can also be executed in command line using the command: `sh keyno.sh`. If you can access other pages in 4PSA Clean Server there is no reason why you should upload a new key.

Chapter 3. The Client Module

The 4PSA Clean Server client module can be accessed after you login to Plesk 7.x using a client level account. In order to open the 4PSA Clean Server interface click the [4PSA Clean Server](#) link available in the Custom navigation menu located on the left side of the Plesk interface.



Note

In order to access 4PSA Clean Server, the client must have permissions from the server administrator.

The 4PSA Clean Server tool bar is available on top of the application's interface. The tool bar provides an easy method for the client to protect domains and mailboxes. The client can also change management permissions for domain users when this is allowed by the administrator.

1. Protecting Domains Globally

The client can protect entire domains from virus-infected messages in the Domains area. In order to access this area, the client must click the **Domains** button available in the tool bar.

In this area the client can view a list of his domains hosted on server. Next to the domain names 4 columns display the following information:

Protected mailboxes – The number of protected mailboxes on the domain

Total mailboxes – The total number of mailboxes on the domain


Infected – The number of email messages received by the protected mailboxes of the corresponding domain and detected by 4PSA Clean Server to be virus-infected

Total - The total number of email messages received by the protected mailboxes of the corresponding domain and processed by the 4PSA Clean Server on that domain



Note

These statistics are available only if at least one mailbox that belongs to that domain is protected by 4PSA Clean Server and if the server administrator enables this setting.

Next to these columns the  **Stats** icon is available for each domain in the list. By clicking on the this icon, the client will be able to view the statistics available for the chosen domain

Protecting the Entire Domain

Protecting a domain means that all mailboxes available under this domain will be protected against virus-infected messages. All the mailboxes added later to a protected domain will be automatically protected by 4PSA Clean Server.




Note

The client can enable/disable entire domain's protection only if this is allowed by the server administrator.

To protect an entire domain, check the "Protect" checkbox for the chosen domain and click **Update**. You can later disable domain protection by unchecking the same checkbox and clicking **Update**.

The domain protection can be enabled/disabled for multiple domains at the same time.

Domain Statistics

To view the statistics for an entire domain, the client must click the  **Stats** icon corresponding to the chosen domain. A graphic with the domain statistics is available in this area. These statistics are based on the total number of emails received for the protected mailboxes of the selected domain and the number of infected messages received on those mailboxes.



Note


The domain statistics are available only if at least one mailbox that belongs to that domain is protected by 4PSA Clean Server and if the **Save statistics** option is enabled in the Settings area.

Domain Statistics Graph

In this graph one curve represents the total number of emails received by the protected mailboxes of the selected domain and the other curve represents the number of infected messages received by these protected mailboxes. The client can change the look of this graph in the Customize area below. The oX axis displays the selected time period and the oY axis the total number of emails received by the protected mailboxes of the selected domain.

Customize

In this area the client can change the time interval displayed in the graph and the graph's look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the client must click on the  **Calendar** icon.

Infected color - The color for the curve that displays the number of infected email messages received by the protected mailboxes of the selected domain

Totals color - The color for the curve that displays the total number of emails received by the protected mailboxes of the selected domain

Dots color - The color of the dotted lines across the graph

Label color - The color of the labels on the axis of the graph

Axis color - The color of the oX and oY axis

Arrow color - The color of the arrows at the end of the axis

Graph background color - The background color for the plotted region

Canvas background color - The background color for the entire canvas (beyond the plotted region)

Domain Statistics

In this area 4PSA Clean Server displays information about the domain statistics.

Total - The total number of emails received by the protected mailboxes of the selected domain

Infected - The number of infected email messages received by the protected mailboxes of the domain

Average processed - The average number of email messages received by the protected mailboxes of the domain and processed every day

Average infected - The average number of infected email messages received by the protected mailboxes of the domain received every day

Minimum processed - The number of emails and the date when the minimum number of messages was received by the protected mailboxes of the domain

Minimum infected - The number of infected emails and the date when the minimum number of virus infected messages was received by the protected mailboxes of the domain

Maximum processed - The number of emails and the date when the maximum number of messages was received by the protected mailboxes of the selected domain

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by the protected mailboxes of the domain

Percent infected - The percentage of infected emails from the total number of emails received by the protected mailboxes of the domain

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by the protected mailboxes of the domain

Worst day - The percentage of infected emails and the date with the biggest percentage of infected emails received by the protected mailboxes of the domain


The **Reset** button available in this area allows the client to clear statistics for the selected domain. Both infected and total statistics for the domain will be reset.

Domain Settings


The client can manage domain specific settings. In order to enter this area, follow the link on the chosen domain name.

Protect the Entire Domain - Protecting the domain means that all mailboxes available under this domain will be protected against virus-infected messages. All the mailboxes added later to a protected domain will be automatically protected by 4PSA Clean Server.

Use server settings - When enabled, the server wide settings will be used for the selected domain.

Alert email Recipient - When enabled, the email message recipient receives a warning message with the text contained in the text area. The warning message can be edited to suit your needs, just click on the corresponding  icon.

Alert email Sender - When enabled, a warning message with the text contained in the text area is delivered to the address from where the infected message

was sent. The warning message can be edited to suit your needs, just click on the corresponding  icon.

Sender of alert email - From the email address specified in this field originate the alert emails sent when the above options are enabled. This address will appear in the "From" field of the alert email message.

Virus alert subject - This field contains the subject of the alert email sent when 4PSA Clean Server detects a message to be virus-infected.

Protecting Individual Mailboxes

The client can protect individual mailboxes from virus-infected messages.



The client can enable/disable mailbox protection only if this is allowed by the server administrator.

In this area the client can view a list of all mailboxes that belong to the selected domain. Next to the mailbox names five columns are available:


Infected - The number of email messages received on the corresponding mailbox and detected by 4PSA Clean Server to be virus-infected


Total - The total number of email messages received on the corresponding mailbox and processed by the 4PSA Clean Server



These statistics are available only if the corresponding mailbox is protected by 4PSA Clean Server and if the server administrator enabled this setting.

When no messages are processed, - is displayed in the Infected and Total columns on the corresponding mailbox row.

Stats - By clicking the  **Stats** icon, the client will be able to view the statistics available for the chosen mailbox


R - By clicking the  **Reset** icon, the client will reset the statistics available in the Infected and Total columns for the corresponding mailbox.

Protect - To protect a mailbox check the “Protect” checkbox for the chosen mailbox and click **Update**. You can later disable mailbox protection by unchecking the same checkbox and clicking **Update**. The mailbox protection can be enabled/disabled for multiple mailboxes at the same time.



When a domain is protected, all its mailboxes are protected and the corresponding “Protect” checkboxes are grayed out.

Mailbox Statistics

To view the statistics for a selected mailbox, the client must click the  **Stats** icon corresponding to the chosen mailbox. A graphic with the mailbox statistics is available in this area. These statistics are based on the total number of emails received for the selected mailbox and the number of infected messages received on that mailbox.




These statistics are available only if the mailbox is protected by 4PSA Clean Server and if the server administrator enabled this setting.

Mailbox Statistics Graph

In this graph one curve represents the total number of emails received by the selected mailbox and the other curve represents the number of infected messages received by this mailbox. The client can change the look of this graph in the Customize area below. The oX axis displays the selected time period and the oY axis the total number of emails received by the selected mailbox.

Customize

In this area the client can change the time interval displayed in the graph and the graph’s look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the client must click on the  **Calendar** icon.

Infected color - The color for the curve that displays the number of infected email messages received by the selected mailbox

Totals color - The color for the curve that displays the total number of emails received by the selected mailbox

Dots color - The color of the dotted lines across the graph

Label color - The color of the labels available on the axis of the graph

Axis color - The color of the oX and oY axis

Arrow color - The color of the arrows at the end of the axis

Graph background color - The background color for the plotted region

Canvas background color - The background color for the entire canvas (beyond the plotted region)

Mailbox Statistics

In this area 4PSA Clean Server displays information about the selected mailbox statistics.

Total - The total number of emails received by the selected mailbox

Infected - The number of infected email messages received by the selected mailbox

Average processed - The average number of email messages received by the selected mailbox and processed every day

Average infected - The average number of infected email messages received every day by the selected mailbox

Minimum processed - The number of emails and the date when the minimum number of messages was received by the selected mailbox

Minimum infected - The number of infected emails and the date when the minimum number of virus infected messages was received by the selected mailbox

Maximum processed - The number of emails and the date when the maximum number of messages was received by the selected mailbox

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by the selected mailbox

Percent infected - The percentage of infected emails from the total number of emails received by the selected mailbox

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by the selected mailbox

Worst day - The percentage of infected emails and the date with the biggest percentage of infected received by the selected mailbox

The **Reset** button available in this area allows the client to clear statistics for the selected mailbox. Both infected and total statistics for the mailbox will be reset.

2. Management Permissions

In this area (click the **Permissions** button available in the tool bar) the client can grant 4PSA Clean Server management permissions to domain users. This means that domain users will be able to choose for themselves which mailboxes to protect against virus-infected messages.



The client can grant management permissions only if the server administrator allows him to do that.

To grant management permissions to a domain user, check the "Allow access" corresponding checkbox and click **Update**. You can later revoke management permissions by unchecking the same checkbox and clicking **Update**.

You can grant/revoke management permissions for multiple domain users at the same time.

Chapter 4. The Domain User Module

The 4PSA Clean Server domain user module can be accessed after you login to Plesk 7.x Reloaded using a domain user account. In order to open the 4PSA Clean Server interface click the [4PSA Clean Server](#) link available in the Custom navigation menu located on the left side of the Plesk interface.



In order to access 4PSA Clean Server, the domain user must have permissions from the server administrator or from the client who owns the domain.


The 4PSA Clean Server tool bar is available on top of the application's interface. The tool bar provides an easy method for the domain user to protect his domain and mailboxes.


1. Protecting the Entire Domain

The domain user can protect the entire domain against virus-infected email messages.

Protect the Entire Domain - Protecting the domain means that all mailboxes available under this domain will be protected against virus-infected messages. All the mailboxes added later to a protected domain will be automatically protected by 4PSA Clean Server.

Use server settings - When enabled, the server wide settings will be used for the selected domain.

Alert email Recipient - When enabled, the email message recipient receives a warning message with the text contained in the text area. The warning message can be edited to suit your needs, just click on the corresponding  icon.

Alert email Sender - When enabled, a warning message with the text contained in the text area is delivered to the address from where the infected message was sent. The warning message can be edited to suit your needs, just click on the corresponding  icon.

Sender of alert email - From the email address specified in this field originate the alert emails sent when the above options are enabled. This address will appear in the "From" field of the alert email message.

Virus alert subject - This field contains the subject of the alert email sent when 4PSA Clean Server detects a message to be virus-infected.

2. Protecting Individual Mailboxes

The domain user can protect individual mailboxes from virus-infected messages.



The domain user can enable/disable mailbox protection only if this is allowed by the server administrator.

In this area the domain user can view a list of all mailboxes that belong to his domain. Next to the mailbox names five columns are available:

Infected - The number of email messages received on the corresponding mailbox and detected by 4PSA Clean Server to be virus-infected


Total - The total number of email messages received on the corresponding mailbox and processed by the 4PSA Clean Server




Note

These statistics are available only if the corresponding mailbox is protected by 4PSA Clean Server and if the server administrator enabled this setting.

When no messages are processed, - is displayed in the Infected and Total columns on the corresponding mailbox row.

Stats - By clicking the  **Stats** icon, the domain user will be able to view the statistics available for the chosen mailbox

R - By clicking the  **Reset** icon, the domain user will reset the statistics available in the Infected and Total columns for the corresponding mailbox.


Protect - To protect a mailbox check the "Protect" checkbox for the chosen mailbox and click **Update**. You can later disable mailbox protection by unchecking the same checkbox and clicking **Update**. The mailbox protection can be enabled/disabled for multiple mailboxes at the same time.



Note

When a domain is protected, all its mailboxes are protected and the corresponding "Protect" checkboxes are grayed out.

3. Mailbox Statistics

To view the statistics for a selected mailbox, the domain user must click the  **Stats** icon corresponding to the chosen mailbox. A graphic with the mailbox statistics is available in this area. These statistics are based on the total number of emails received for the selected mailbox and the number of infected messages received on that mailbox.



Note


These statistics are available only if the mailbox is protected by 4PSA Clean Server and if the server administrator enabled this setting.

Mailbox Statistics Graph

In this graph one curve represents the total number of emails received by the selected mailbox and the other curve represents the number of infected messages received by this mailbox. The domain user can change the look of this graph in the Customize area below. The oX axis displays the selected time period and the oY axis the total number of emails received by the selected mailbox.

Customize

In this area the domain user can change the time interval displayed in the graph and the graph's look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the domain user must click on the  **Calendar** icon.

Infected color - The color for the curve that displays the number of infected email messages received by the selected mailbox

Totals color - The color for the curve that displays the total number of emails received by the selected mailbox

Dots color - The color of the dotted lines across the graph

Label color - The color of the labels available on the axis of the graph

Axis color - The color of the oX and oY axis

Arrow color - The color of the arrows at the end of the axis

Graph background color - The background color for the plotted region

Canvas background color - The background color for the entire canvas (beyond the plotted region)

Mailbox Statistics

In this area 4PSA Clean Server displays information about the selected mailbox statistics.

Total - The total number of emails received by the selected mailbox

Infected - The number of infected email messages received by the selected mailbox

Average processed - The average number of email messages received by the selected mailbox and processed every day

Average infected - The average number of infected email messages received every day by the selected mailbox

Minimum processed - The number of emails and the date when the minimum number of messages was received by the selected mailbox

Minimum infected - The number of infected emails and the date when the minimum number of virus infected messages was received by the selected mailbox

Maximum processed - The number of emails and the date when the maximum number of messages was received by the selected mailbox

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by the selected mailbox

Percent infected - The percentage of infected emails from the total number of emails received by the selected mailbox

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by the selected mailbox

Worst day - The percentage of infected emails and the date with the biggest percentage of infected received by the selected mailbox

The **Reset** button available in this area allows the domain user to clear statistics for the selected mailbox. Both infected and total statistics for the mailbox will be reset.

Chapter 5. The Email User Module

The 4PSA Clean Server email user module can be accessed after you login to Plesk 7.x using an email user account. In order to open the 4PSA Clean Server interface click the [4PSA Clean Server](#) link available in the Custom navigation menu located on the left side of the Plesk interface.



Note

In order to allow an email user to access the 4PSA Clean Server interface, the owner of the domain or the administrator must give management permissions to the corresponding domain user.

1. Protecting the Mailbox

The email user can protect individual mailboxes from virus-infected messages.



Note

The email user can enable/disable mailbox protection only if this is allowed by the server administrator.

In this area the email user can view information about his mailbox. Next to the mailbox name five columns are available:

Infected – The number of email messages received on the mailbox and detected by 4PSA Clean Server to be virus-infected


Total - The total number of email messages received on the mailbox and processed by the 4PSA Clean Server




Note

These statistics are available only if the corresponding mailbox is protected by 4PSA Clean Server and if the server administrator enabled this setting.

When no messages are processed, - is displayed in the Infected and Total columns on the corresponding mailbox row.

Stats - By clicking the  **Stats** icon, the email user will be able to view the statistics available for his mailbox

R – By clicking the  **Reset** icon, the email user will reset the statistics available in the Infected and Total columns for his mailbox


Protect - To protect a mailbox check the “Protect” checkbox for his mailbox and click **Update**. You can later disable mailbox protection by unchecking the same checkbox and clicking **Update**.



Note

When a domain is protected, his mailbox is protected and the corresponding “Protect” checkbox is grayed out.

2. Mailbox Statistics

To view the statistics for his mailbox, the email user must click the  **Stats** icon. A graphic of the mailbox statistics is available in this area. These statistics are based on the total number of emails received by his mailbox and the number of infected messages received on that mailbox.



Note


These statistics are available only if the mailbox is protected by 4PSA Clean Server and if the server administrator enabled this setting.

Mailbox Statistics Graph

In this graph one curve represents the total number of emails received by his mailbox and the other curve represents the number of infected messages received. The email user can change the look of this graph in the Customize area below. The x axis displays the selected time period and the y axis the total number of emails received by his mailbox.

Customize

In this area the email user can change the time interval displayed in the graph and the graph’s look.

Start and end date - The start and the end dates of the time interval for which the graph is plotted. In order to select a date the email user must click on the  **Calendar** icon.

Infected color - The color for the curve that displays the number of infected email messages received by his mailbox

Totals color - The color for the curve that displays the total number of emails received by his mailbox

Dots color - The color of the dotted lines across the graph
Label color - The color of the labels available on the axis of the graph
Axis color - The color of the oX and oY axis
Arrow color - The color of the arrows at the end of the axis
Graph background color - The background color for the plotted region
Canvas background color - The background color for the entire canvas (beyond the plotted region)

Mailbox Statistics

In this area 4PSA Clean Server displays information about the mailbox statistics.

Total - The total number of emails received by his mailbox

Infected - The number of infected email messages received by his mailbox

Average processed - The average number of email messages received by his mailbox and processed every day

Average infected - The average number of infected email messages received every day by his mailbox

Minimum processed - The number of emails and the date when the minimum number of messages was received by his mailbox

Minimum infected - The number of infected emails and the date when the minimum number of virus-infected messages was received by his mailbox

Maximum processed - The number of emails and the date when the maximum number of messages was received by his mailbox

Maximum infected - The number of infected emails and the date when the maximum number of virus infected messages was received by his mailbox

Percent infected - The percentage of infected emails from the total number of emails received by his mailbox

Best day - The percentage of infected emails and the date with the smallest percentage of infected emails received by his mailbox

Worst day - The percentage of infected emails and the date with the biggest percentage of infected received by his mailbox

The **Reset** button available in this area allows the email user to clear statistics for his mailbox. Both infected and total statistics for the mailbox will be reset.

Appendix A. Server Compatibility

4PSA Clean Server for Plesk 7.x Reloaded is compatible with Plesk 7.x Reloaded installations only. You have to download the build based on the operating system installed on your machine.

The file `clean_server_buildRedHat7xXXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- RedHat Linux 7.3
- RedHat Enterprise Linux 2.1

The file `clean_server_buildRedHat9xXXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- RedHat Linux 9
- RedHat Enterprise Linux 3.0
- RedHat Enterprise Linux 4.0
- Fedora Linux Core 1
- Fedora Linux Core 2
- Fedora Linux Core 3

The file `clean_server_buildFreeBSD4XXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- FreeBSD 4.8
- FreeBSD 4.9

The file `clean_server_buildFreeBSD5XXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- FreeBSD 5.2.1
- FreeBSD 5.3

The file `clean_server_buildSuseXXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- Suse Linux 9
- Suse Linux 9.1

The file `clean_server_buildMandrakeXXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- Mandrake 10

The file `clean_server_buildDebianXXX_Plesk7x.tar.gz` provides compatibility with the following operating systems:

- Debian 3.1