



4PSA Hosting Manager 1.0.0
for Plesk 7.x Reloaded
User's Guide

Manual Version 0.10

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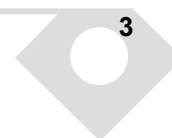
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Chapter 1

About 4PSA Hosting Manager 1.0.0

1. What Is 4PSA Hosting Manager?

4PSA Hosting Manager 1.0.0 is a server-level application that provides an advanced automated hosting account creation system for Plesk 7.x Reloaded servers. The account creation is an automated Process that takes less than a minute and can be integrated with any domain registration or payment application.

2. 4PSA Hosting Manager 1.0.0 Features

4PSA Hosting Manager 1.0.0 offers the following features:

- Separate Administration Module and Client Module
- Administration Module features:
 - o Private for the hosting company
 - o Full logging of client activities on the Client Module
 - o Setup custom hosting sign-up form for the Client Module
 - o Setup hosting packages with all parameters supported by Plesk:
 - IP Type (shared, exclusive)
 - Maximum number of subdomains
 - Disk space
 - Maximum amount of traffic
 - Maximum number of web users
 - Maximum number of databases
 - Maximum number of mailboxes
 - Mailbox quota
 - Maximum number of mail redirects
 - Maximum number of mail groups
 - Maximum number of mail autoresponders
 - Maximum number of mailing lists
 - Maximum number of Java applications
 - Validity period

- Retain traffic statistics period
- Hard disk quota
- SSL support
- FrontPage support
- FrontPage over SSL support
- FrontPage authoring
- Apache ASP support
- SSI support
- PHP support
- CGI support
- mod_perl support
- mod_python support
- ColdFusion support
- Web statistics
- Custom Error Documents
- o Add/Edit/Delete remote Plesk servers (where hosting accounts are created)
- o Communicates with Plesk servers using XML (Plesk API) or CGI (4PSA wrapper)
- o Automatically maintains hosting packages and server(s) status
- o Domain load balancing intelligence between servers
- o Template based emails for client and administrator sent on account creation
- o Template based diagnostic emails sent by maintenance scripts
- o Fully template based and language pack capable
- Client module features:
 - o Can create hosting packages in one step
 - o Designed to be used on the public website area
 - o Automatically selects the server where the account is created
 - o Can be integrated with an electronic payment method, domain registration module, etc.
 - o Can be used by company internally to setup accounts faster
 - o Customizable account creation report
 - o Can send the account creation email to administrator, client (when the domain was created under an existing Plesk account), and customer
 - o Fully template based and language pack capable



Chapter 2

The Administration Module

1. Login to 4PSA Hosting Manager

The administrator can login to the 4PSA Hosting Manager Administration Module interface at <http://admin.installation.url> using the admin account.



Note

The location of the Administration Module can be chosen during the shell installation. The Administrator account is setup during 4PSA Hosting Manager installation. The default administrator username is 'admin' and the password must be chosen during the installation.

4PSA Hosting Manager tool bar is available on top of the application's interface. The tool bar provides an easy method for the administrator to use the available features. The following buttons are available in the tool bar:

Options	Explanation
Logs	By clicking this button the administrator can view details about the domain creation attempts.
Client module	By clicking this button the administrator can manage the configuration of the Client Module.
Servers	By clicking this button the administrator can manage the server infrastructure available for domain creation.
Settings	By clicking this button the administrator can configure 4PSA Hosting Manager Administration Module, manage hosting and email templates, administer the 4PSA Hosting Manager license key, and update the administrator information.

Options	Explanation
Logout	By clicking this button the administrator can log out from his 4PSA Hosting Manager account.

2. Log Management



4PSA Hosting Manager keeps a detailed log of all domain creation attempts in the Client Module form. The logging mechanism helps the administrator identify problems that may appear during the process.




In the Logs area (click the **Logs** button available in the tool bar) the administrator can view details about the operations performed by clients in the Client Module.


The administrator can search the entire database or within a range. The following options are available:

Options	Explanation
Search in	The administrator must select the area where the search will be performed. The following options are available: everything, remote IP, status, client info, domain info, hosting info.
From and To	Search for logs included between two dates in year/month/day format.


For every operation displayed on this page, the following information is available:

Options	Explanation
S	The outcome of the domain creation operation, which can be  Success or  Failure



Options	Explanation
T	The type of the IP address defined in the template, which can be  Shared or  Exclusive
Date	The system time when the logged action was recorded (day month year, hh:mm:ss)
Template	The name of the hosting template used for the domain creation
Server	The server name selected for domain creation, as available in 4PSA Hosting Manager database
Template IP	The IP Address selected by 4PSA Hosting Manager from the template IP pool to create the domain
Domain	The name of the domain for which hosting account creation was requested by the client
Client IP	The IP address used by the client to connect to 4PSA Hosting Manager
View	By clicking the  View icon, the administrator can view the details provided by the client in the Client Module.

In order to delete a log entry, check the corresponding checkbox and click the  [Remove](#) link. The administrator can delete multiple logs at the same time.

Log Details

In order to view the details filled in by the client when he tried to create the domain, the administrator must click the  **View** icon corresponding to the chosen log. In this area 4PSA Hosting Manager displays detailed information about the log entry, the client / the domain user, the domain, and the hosting package.

The following details about the selected log record are available:

Options	Explanation
Date	The system time when the logged action was recorded by the server (in day month year, hh:mm:ss format)
Hosting template	The name of the hosting template used for the domain creation
Status	The outcome of the domain creation operation, which can be  Success or  Failure
Client name	When a client is also created for the domain, this is the name of the client.
Client login	When a client is also created for the domain, this is the login used by the client to login in Plesk.

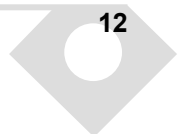


Note

The **Client name** and **Client login** details are available only when 4PSA Hosting Manager tries to create a separate client for the domain. A domain can be created with a client account or under an existing client. This option can be setup in server definition and it is particular for the server selected by 4PSA Hosting Manager to create the domain on.

4PSA Hosting Manager will create a client or a domain user account in Plesk based on the settings defined for the selected server. When the customer tries to create the domain, he must fill in a form with personal information. The administrator is able to view the information entered by the client in the Client Module:

Options	Explanation
Name	The name of the client
Company name	The name of the client's company



Options	Explanation
Login	The login name used by the client to access his Plesk account. When a domain user account is created (domain creation under an existing client), the Plesk login is the name of the domain.
Password	The password used by the client / domain user to access his Plesk account
E-mail	The client's email address, which is also used as the default bounce address for his domain(s)
Phone	The client's phone number
Fax	The client's fax number
Address	The client's postal address
City	The client's residence city
State	The client's residence state
ZIP	The client's residence ZIP or postal code
Country	The client's residence country

Not all these fields are required by the Client Module domain creation form; it depends on the settings (click the **Client module** button available in the tool bar).

4PSA Hosting Manager provides the following details about the selected domain:

Options	Explanation
Domain name	The name of the domain
FTP login	The login name used to access the FTP account for the domain
FTP Password	The password used to access the FTP account for the domain
FrontPage login	The login name used to access the FrontPage account for the domain

Options	Explanation
FrontPage Password	The password used to access the FrontPage account for the domain



Note

The FrontPage login fields will be available when the chosen hosting template has FrontPage support enabled and FrontPage package is installed on the server selected by 4PSA Hosting Manager to create the domain.

The administrator can set custom fields that must be filled in by the client when he tries to create a domain in 4PSA Hosting Manager Client Module. These custom fields are defined in the Client module section (click the **Client module** button available in the tool bar).

In order to create a domain in Plesk using 4PSA Hosting Manager, the client must select a hosting template for that domain. The administrator can view the specifications of the hosting package:

Options	Explanation
Maximum number of subdomains	The maximum number of subdomains available for the domain
Disk space	The disk space amount (in MB) available for the domain (soft limit)
Maximum traffic	The maximum value (in MB per month) of traffic allowed for the domain
Maximum number of databases	The maximum number of databases available for the domain
Maximum number of mailboxes	The maximum number of mailboxes available for the domain
Mailbox quota	The maximum disk space amount available per mailbox for the domain

Options	Explanation
Maximum number of mail redirects	The maximum number of mail redirects available for the domain
Maximum number of mail groups	The maximum number of mail groups available for the domain
Maximum number of mail autoresponders	The maximum number of mail autoresponders available for the domain
Maximum number of mailing lists	The maximum number of mail lists available for the domain
Quota	The disk space amount (in MB) available for the domain (hard limit)
FrontPage	When enabled, Microsoft FrontPage Server Extensions are available for the domain.
FrontPage SSL	When enabled, FrontPage SSL support is available for the domain.
FrontPage authoring	When enabled, Plesk allows remote editing of the web site using FrontPage for the domain.
ASP	When enabled, the domain has ASP support.
SSI	When enabled, the domain has SSI support.
PHP	When enabled, the domain has PHP support.
CGI	When enabled, the domain has CGI support.
SSL	When enabled, the domain has SSL support.
Error documents	When enabled, error documents are available for the domain.

In order to return to the previous section, the administrator must follow the [🏠 Up Level](#) link.

3. Client Module

In this area (click the **Client module** button available in the tool bar) the administrator can configure the Client Module. The Client Module provides the interface for domain creation to the client.

Form Fields Configuration


In the Form fields area (click the **Form fields** button available in the second tool bar) the administrator can manage the fields displayed on the domain creation form. The client must fill in this form in order to create the domain.

Two types of fields are available: the standard fields that are necessary for the domain creation in Plesk and the custom fields that can be defined by the administrator in order to gather other information. Not all standard fields are required for domain creation, but the administrator can make them mandatory in the form.

Options	Explanation
Company name	The name of the client's company
Phone	The client's phone number
Fax	The client's fax number
Address	The client's postal address
City	The client's residence city
State	The client's residence state
ZIP	The client's residence ZIP or postal code
Country	The client's residence country

In order to set a field as required, the administrator must check the **Mandatory** checkbox corresponding to the chosen field and click **OK**. 4PSA Hosting Manager also provides details about restrictions, when these are available.

The administrator can also create custom fields that will be displayed in the Client Module domain creation form. The following details must be filled in:

Options	Explanation
Title	The fieldset title which will appear on the form for all custom fields. The administrator can change it by clicking the  Edit custom field's title icon.
Field label	The name of the field that will be displayed on the form
Maximum length	The maximum number of characters allowed for the custom field value
Minimum length	The minimum number of characters allowed for the custom field value



Note

When the **Minimum length** is greater than 0, the custom field is required and it must be filled in by the client.



Unique ID The unique ID the administrator must assign to the corresponding custom field. The admin can use this ID in the domain creation report sent to clients, when he wants the value of the field to be available in the report.



Note

The **Unique ID** field can contain letters, decimals, and the underscore “_” character. To print in reports (Hosting Creation Report or email) the value of a custom field use [Unique_ID]. The [Unique_ID] will be automatically replaced by the Unique ID value.

The administrator can add new custom fields by clicking the **Add field** button. When he does not want to add the new field, he can click **Remove**.

The existing custom fields can be edited and deleted. In order to edit the field label, the administrator must click the  **Edit custom field** icon. If Client Module interface is provided in multiple languages, the custom fields can be translated in multiple languages by clicking the  **Edit custom field** icon. When a new custom field is added this is done for English only.

In order to delete a selected field, click the  **Remove custom field** icon.

Hosting Creation Report

In this area (click the **Hosting creation report** button available in the second tool bar) the administrator can manage the creation report displayed to the client after the domain is created by 4PSA Hosting Manager on a Plesk server. He can upload a HTML file or use the default template.




In order to upload a template, the administrator must fill the file path in the **Upload template** field or use the **Browse...** button to locate it. To use the default template, click **Default**. To save the changes click **OK**, to return without saving the new configuration click **Cancel**.


The administrator can also preview the creation report by clicking the **Preview** button.

4. Server Management

In this area (click the **Servers** button available in the tool bar) the administrator can manage the servers available to 4PSA Hosting Manager for domain creation.

The administrator can view details about the available machines, check the status, add and delete servers. The following details are available:

Options	Explanation
S	The server status, which can be  Up or  Down
Rank	This value is computed by 4PSA Hosting Manager based on this formula. Rank = Domains_number + 10 x Score where Domains_number is the number of domains hosted on the corresponding server and Score is the value assigned by the administrator to that server.
Score	The server score. This value is used by 4PSA Hosting Manager to compute the server rank that is used during the domain creation to choose the preferred server.
Name	The server name
Server IP	The server IP address
Port	The server port on which Plesk responds
Version	The Plesk version installed on the server
Mode	The mode in which 4PSA Hosting Manager communicates with the server, which can be XMLRPC or CGI
Client ID	This field displays the Plesk client ID or the text "Create new". In the first case the new domain will be created under the Plesk client account with the ID assigned by the administrator. In the second case the domain will be created under a new client account.
Update Status	Click the  Update server status icon in order to update the status of a selected server.

The administrator can update the status of all servers available in the list by clicking the  [Check all servers status](#) link.

Add a New Server

In order to add a new server in the list, the administrator must click the [+ Add](#) link. In the Server details management page he must fill in the following details:

Options	Explanation
Server name	The server name. It is recommended to enter the server hostname in this field.
Assign server score	The server score. This value is used by 4PSA Hosting Manager to choose the server for the domain creation. The server score can be negative .



The server score is used to determine the server rank. The rank is computed using the formula:

$$\text{Rank} = \text{Domains_number} + 10 \times \text{Score}$$

where **Domains_number** is the number of domains hosted on the corresponding server and **Score** is the value assigned by the administrator to that server.

4PSA Hosting Manager will always choose the server with the lowest rank to create a domain.

Server IP	The server IP address
Plesk version	The Plesk version installed on the server
Plesk admin password	The password used by the server administrator to access the Plesk server
Plesk admin port	The server port on which Plesk responds

Options	Explanation
Command mode	The mode used by 4PSA Hosting Manager to communicate with the server, which can be XMLRPC or CGI



Note

In order to use **XMLRPC** on the Plesk server the **psa-agent** client must be installed. This package is available in the Plesk installation package.

You can also use the **CGI** communication mode. In order to make this possible you must install the **4PSA CGI Wrapper** on the Plesk server.

For more details about Plesk servers preparation, please check the **install.txt** file in 4PSA Hosting Manager's installation kit.


Client ID	The client ID used by 4PSA Hosting Manager to create domains on this server. All the domains will be created under the client with this ID. The customer who creates the domain will access it using a domain user account.
Create new client	When enabled, the new domain will be created under a new Plesk client account. This way the customer who creates the domain will access it using a client account.

In order to add the new server with these details, the administrator must click the **OK** button, to return without saving the new configuration click **Cancel**.

Update Server Details

In order to edit the preferences of a server, the administrator must click the name of the server. In the Server details management page the preferences can be changed.

Remove Servers

In order to delete a server from the infrastructure, check the corresponding checkbox and click the  [Remove](#) link. The administrator can delete multiple machines at the same time.

5. Settings

In this area (click the **Settings** button available in the tool bar) the administrator can manage various 4PSA Hosting Manager settings. The following buttons are available in the second toolbar:

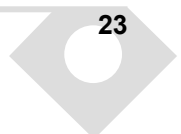
Options	Explanation
General	4PSA Hosting Manager's general operational preferences
Hosting templates	Hosting templates management (also referred to as hosting packages)
Email templates	Email templates management. These include the emails that are sent to the client on domain creation as well as all the emails sent to the administrator.
License	4PSA Hosting Manager license key management
Admin information	Administrator personal information and login password management

Configuration Management

The administrator can configure the Administration Module and Client Module interfaces and manage various 4PSA Hosting Manager settings, notification emails and maintenance scripts.

In the Client module area the administrator can change the 4PSA Hosting Manager Client Module interface settings.

Options	Explanation
Encryption key	The encryption key used by 4PSA Hosting Manager to authenticate the client (check Appendix A for more information)
Use key	When enabled, the client who attempts to create a domain using 4PSA Hosting Manager Client Module must be authenticated based on the key specified in the Encryption key field. This is used for integration with various third party scripts.
Display disabled form fields	The administrator can hide the options that are not available for a hosting template in the Client Module domain creation form.
Minimum password length	The minimum number of characters a client password must have
Maximum password length	The maximum number of characters a client password must have
Minimum login length	The minimum number of characters a client user name must have
Maximum login length	The maximum number of characters a client user name must have
Default language	The default language that will be used by 4PSA Hosting Manager Client Module interface
Client page skin	The skin that will be used by the 4PSA Hosting Manager Client Module interface
Page titles	The browser title for Client Module pages. The administrator can change the default 4PSA Hosting Manager page title with a more descriptive name for company clients.

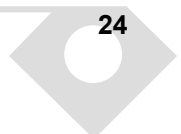


In the Admin module area the administrator can manage the settings for the 4PSA Hosting Manager Administration Module.

Options	Explanation
“From” email header	This is the email address that appears in the header of the messages sent by 4PSA Hosting Manager when a new domain is created.
Log records per page	The number of log records displayed per page in the Logs area
Admin skin	The skin used by 4PSA Hosting Manager Administration Module
Default language	The default language used by 4PSA Hosting Manager Administration Module

In the Email settings area the administrator can manage the notification email settings.

Options	Explanation
Send email to admin on domain creation	When enabled, 4PSA Hosting Manager will send an email report with details about the domain creation.
Send email to client on domain creation for an existing client	When enabled and the domain is created under an existing client account, 4PSA Hosting Manager will send to that client an email with details about the domain creation.
Send email to person who creates the domain	When enabled, 4PSA Hosting Manager will send an email with details about the domain creation to the person who creates the domain in the Client Module.
Email subject	This is the email subject that appears in the message sent by 4PSA Hosting Manager when a new domain is created.







In the Maintenance module area the administrator can manage the cron scripts used by 4PSA Hosting Manager.


Options	Explanation
Email warnings	When enabled, alert emails are sent to the selected email address.
Email status notifications	When enabled, notification emails are sent to the selected email address.
'Warning' email subject	The email subject that appears in the message sent by 4PSA Hosting Manager when a warning message is dispatched
'Status notification' email subject	The email subject that appears in the message sent by 4PSA Hosting Manager when a notification message is dispatched
Send maintenance emails to	The email address where 4PSA Hosting Manager sends emails
Status hour start / Status hour end	The administrator allows 4PSA Hosting Manager to send notifications emails in this time frame.

To save the changes click the **OK** button, to return without saving the new configuration click **Cancel**.


Hosting Templates

In this area (click the **Hosting templates** button available in the second tool bar) the administrator can view details about the available hosting templates, add new templates, edit, and remove the existing packages. 4PSA Hosting Manager provides the following information:

Options	Explanation
T	The type of the IP address used for domain creation, which can be  Shared or  Exclusive
Template	The name of the hosting template
IP pool	The number of IP addresses available in the template
Servers	By clicking the  Servers icon, the administrator is able to manage the servers available for domain creation using the selected template.
Maintenance	The date when the latest maintenance operation was performed for the template. By clicking the  Maintenance icon, the administrator will update the template's IP pool and clean it from IP addresses which cannot be used anymore. This step can take several minutes because the 4PSA Hosting Manager engine must query all servers that can be used with the template on the same table row.

The administrator can perform the maintenance operation for all available templates by clicking the  [Perform maintenance](#) link.

Add a New Template

In order to add a new template, the administrator must click the  [Add](#) button. In the Hosting template details management page he must fill in the following preferences for the template:

Options	Explanation
Template name	The name of the new template
IP type	The IP address type which can be shared or exclusive

Next, the admin must set the limits that apply to the hosting packages created using this template. When he does not want to set a limit for an option, he can check the **Unlimited** checkbox.

Options	Explanation
Maximum number of subdomains	The maximum number of subdomains allowed
Disk space	The disk space amount (in MB) available for the domain (soft limit)
Maximum amount of traffic	The maximum value of traffic (in MB per month) allowed by the template
Maximum number of web users	The maximum number of web users allowed
Maximum number of databases	The maximum number of databases allowed
Maximum number of mailboxes	The maximum number of mailboxes allowed
Mailbox quota	The maximum disk space amount available per mailbox for the domain
Maximum number of mail redirects	The maximum number of mail redirections allowed
Maximum number of mail groups	The maximum number of mail groups allowed
Maximum number of mail autoresponders	The maximum number of mail autoresponders allowed
Maximum number of mailing lists	The maximum number of mailing lists allowed
Maximum number of Java applications	The maximum number of Java applications allowed
Validity period	The validity period for the domain created using this template in Years, Months or Days (from the domain creation date).

The administrator can also select the traffic preferences for the new template.

Option	Explanation
Retain traffic statistics for # Months	When enabled, the traffic statistics will be retained on the server for a time period equal with the selected number of months.

The admin is able to manage the hosting package settings for the template.

Options	Explanation
Hard disk quota	The disk space amount (in MB) available for the domain (hard limit)
SSL support	When enabled, domains created using this template will have SSL support.
FrontPage support	When enabled, domains created using this template will have Microsoft FrontPage Server Extensions support.
FrontPage over SSL support	When enabled, domains created using this template will have FrontPage over SSL support.
FrontPage authoring	When enabled, Plesk allows remote editing of the web site using Microsoft FrontPage for this domain.
Allow web user scripting	When enabled, web users for the domains created using this template will be allowed to use scripts.
Apache ASP support	When enabled, domains created using this template will have ASP support.
SSI support	When enabled, domains created using this template will have SSI support.
PHP support	When enabled, domains created using this template will have PHP support.
CGI support	When enabled, domains created using this template will have CGI support.


Options	Explanation
mod_perl support	When enabled, domains created using this template will have mod_perl support.
mod_python support	When enabled, domains created using this template will have mod_python support.
ColdFusion support	When enabled, domains created using this template will have ColdFusion support.
Web statistics	When enabled, domains created using this template will have access to web statistics in the password protected directory /plesk-stat/.
Custom error documents	When enabled, error documents are available for the domains created using this template.

To save the changes click the **OK** button, to return without saving the new configuration click **Cancel**.


Update Template Details






In order to edit the preferences for an available template, the administrator must click its name. In the Hosting template details management page he will be able to manage the preferences as presented before.

Remove Templates

In order to delete a template available in the list, check the corresponding checkbox and click the  [Remove](#) link. The administrator can delete multiple templates at the same time.

Server Management for a Selected Template

In order to manage the servers available for domain creation using the selected template, the administrator must click the  **Servers** icon corresponding to the chosen template. 4PSA Hosting Manager displays a list with all available servers and the following details:

Options	Explanation
Server	The server name, as it is registered in the 4PSA Hosting Manager database
Update template status	The date and time when the template status was last updated. The administrator can perform the status update by clicking the available  Update template status for the selected server icon.
Status	<p>The status of the selected template for the corresponding server. There are four possibilities:</p> <ul style="list-style-type: none"> <li data-bbox="748 1098 1455 1297">  Template uses IPs in server pool - This is the ideal situation, when the template can use IP addresses from its own IP pool. In this case the administrator added some of the server's IP addresses in the template's IP pool. <li data-bbox="748 1329 1455 1402">  Template uses IPs on the server - The template can use IP addresses from the server. <li data-bbox="748 1434 1455 1591">  Template does not have available IPs to use - The template cannot use IP addresses from the server (there are no IP addresses available to choose from). <li data-bbox="748 1623 1455 1692">  Template not used - The template is disabled for use with that server.

In order for the template to use a server, the administrator must check the corresponding **Use template** checkbox and click **OK**.

The administrator can manage the IP pool of the selected template on a chosen server by clicking the server's name. 4PSA Hosting Manager will display two lists of available IP addresses. The admin can add one or more IP addresses from the server to the template's IP pool by clicking **Add >>**. He can also remove IP addresses by clicking **<< Remove**.

To save the changes click the **OK** button, to return without saving the new configuration click **Cancel**.

Email Templates

In this area (click the **Email templates** button available in the second tool bar) the administrator can manage the email templates.

The templates available in the Client module area are used for notification emails sent when domains are created. 4PSA Hosting Manager can dispatch domain creation reports to the administrator, to the Plesk client (when the domain is created under an existing Plesk account), and to the person who creates the domain in the Client Module.

The template uses [**key words**] which are replaced in the email body with the corresponding values. The available key words will be replaced as follows:

Options	Explanation
[server_name]	The name of the server on which the domain was created
[server_ip]	The IP address of the server on which the domain was created
[server_port]	The Plesk login port of the server on which the domain was created
[date]	The date when the domain was created
[client_name]	The name of the client who created the domain or under whose account was created

Options	Explanation
[company_name]	The name of the client's company
[email]	The client's email address
[login]	The client's login name used to access the Plesk account
[password]	The client's password used to access the Plesk account
[phone]	The client's phone number
[fax]	The client's fax number
[address]	The client's address
[city]	The client's residence city
[state]	The client's residence state
[zip]	The client's residence ZIP or postal code
[country]	The client's residence country
[domainname]	The domain name
[ftplogin]	The username used to access the FTP account for the domain
[ftppassword]	The password used to access the FTP account for the domain
[fplogin]	The username used to access the FrontPage account for the domain
[fppassword]	The password used to access the FrontPage account for the domain
[ip]	The IP address assigned to the domain
[template_name]	The name of the template used for the domain creation
[disk_space]	The disk space amount (in MB) available for the domain (soft limit)
[errdocs]	When error docs are available for the domain, 4PSA Hosting Manager will display Yes.

Options	Explanation
[expiration]	The date when the domain hosting will expire
[fp]	When FrontPage support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[fp_auth]	When FrontPage authoring support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[fp_ssl]	When FrontPage over SSL support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[max_box]	The maximum number of mailboxes available for the domain
[max_db]	The maximum number of databases available for the domain
[max_maillists]	The maximum number of mailing lists available for the domain
[max_mg]	The maximum number of mail groups available for the domain
[max_redir]	The maximum number of email redirects available for the domain
[max_resp]	The maximum number of email autoresponders available for the domain
[max_subdom]	The maximum number of subdomains available for the domain
[max_traffic]	The maximum value (in MB per month) of traffic allowed for the domain
[max_webapps]	The maximum number of Java applications that can be used by the domain
[max_wu]	The maximum number of web users that can be created on the domain

Options	Explanation
[mailbox_quota]	The maximum disk space amount available per mailbox for the domain
[asp]	When ASP support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[cgi]	When CGI support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[coldfusion]	When ColdFusion support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[perl]	When Perl support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[php]	When PHP support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[python]	When Python support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[ssi]	When SSI support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[ssl]	When SSL support is enabled for the domain, 4PSA Hosting Manager will display Yes.
[quota]	The disk space amount (in MB) available for the domain (hard limit)
[stat_ttl]	The number of months for which the traffic statistics will be retained on the server
[webstat]	When web statistics are available for the domain, 4PSA Hosting Manager will display Yes.
[wu_script]	When web users are allowed to use scripts on the domain, 4PSA Hosting Manager will display Yes.

The cron templates are used by the Maintenance script to send notification and status emails. 4PSA Hosting Manager can dispatch three types of message templates:

Options	Explanations
Empty IP pool email	When the IP pool of a hosting template does not contain valid IP addresses or it is empty, the script will send a message to the administrator based on this template.



Note

The key word **[emptypool]** will be replaced by the name of the hosting template(s) that has an IP pool which does not contain valid IP addresses or does not contain IP addresses at all.

Unusable hosting templates email	When there are hosting templates which cannot be used, the script will send a message to the administrator based on this template.
---	--



Note

The key word **[unusable]** will be replaced by the name of the corresponding hosting template(s).

Hosting template status email	This template is used to send a message to the administrator containing the hosting templates' status.
--------------------------------------	--

To save the changes click the **OK** button, to return without saving the new configuration click **Cancel**.

License Management

In this area the administrator can manage the license key. In order for 4PSA Hosting Manager to work correctly, a valid license key must be loaded. The license key must be generated by 4PSA based on the server IP.

Options	Explanation
License status	The status of the currently loaded license key
Server IP	The main IP address of the server on which 4PSA Hosting Manager is installed. 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 number	The license key number. This is the key currently loaded on the server.
New license key	The administrator can use this form in order to upload the license key to the server. If other pages in 4PSA Hosting Manager can be accessed there is no reason why a new key should be uploaded.

To save the changes click the **OK** button, to return without saving the new configuration click **Cancel**.

Admin Details Management

In this area administrator account information can be managed.

Options	Explanation
Admin login	This is the login name used by the administrator to access 4PSA Hosting Manager.

Options	Explanation
Admin password	This is the password used by the administrator to access 4PSA Hosting Manager.
Retype admin password	The administrator must confirm the password.
Admin email	This is the administrator's email address. When a new domain is created, a message is sent to this address.
Login session timeout	The login session duration

In order to update the account details, the administrator must click the **OK** button, to return without saving the new configuration click **Cancel**.



Chapter 3

The Client Module

1. Login to 4PSA Hosting Manager

The client can login to the 4PSA Hosting Manager Client Module interface at <http://client.installation.url>.



Note

The location of the Administration Module can be chosen during the shell installation. This area can be accessed with authentication based on an encryption key. For more details please check Appendix A.

In this area the client must fill in the required fields in order for the domain to be created in Plesk. The domain will be created on the server selected by 4PSA Hosting Manager raking system based on the chosen hosting template.

4PSA Hosting Manager is able to create new domains under an existing client or it can also create the client account. When the new domain is created under an existing client account, 4PSA Hosting Manager will create a domain user account for the customer to login in Plesk. When a new client account is created, the customer will login to Plesk using the client account.

In order for the domain to be created, the customer must fill in a form with personal details, domain information, and choose from the available hosting templates.

2. Domain Creation Form

The customer must first provide 4PSA Hosting Manager with the required personal details. Not all the fields are available, depending on the Plesk account that will be created and on system imposed preferences.

Options	Explanation
Client / Domain user name	The name of the client
Company name	The name of the client's company
Login	The login name used by the client to access his Plesk account. When a domain user account is created in Plesk, the login name for this account is the domain name.
Password	The password used by the client / domain user to access his Plesk account
Retype password	Retype the password for confirmation
E-mail	The client's email address, which is also used as the default bounce address for his domain(s)
Phone	The client's phone number
Fax	The client's fax number
Address	The client's postal address
City	The client's residence city
State	The client's residence state
ZIP	The client's residence ZIP or postal code
Country	The client's residence country

The customer must provide 4PSA Hosting Manager the following details about the domain:

Options	Explanation
Domain name	The name of the domain
FTP login	The login name that will be used to access the FTP account for the domain
FTP Password	The password that will be used to access the FTP account for the domain
Retype FTP Password	Retype the FTP password for confirmation

Options	Explanation
FrontPage login	The login name that will be used to access the FrontPage account for the domain
FrontPage Password	The password that will be used to access the FrontPage account for the domain
Retype FrontPage Password	Retype the FrontPage password for confirmation



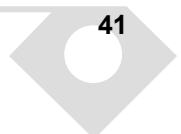
Note

The FrontPage login fields are available when the chosen hosting template has enabled the FrontPage support and FrontPage package is installed on the server where 4PSA Hosting Manager will create the domain.

If the administrator set custom form fields, the client must also fill these fields with the required information.

In order to create a domain, the client must select a hosting template. After selecting the template, 4PSA Hosting Manager will display the features of the hosting package. The following details are available for the selected template:

Options	Explanation
Maximum number of subdomains	The maximum number of subdomains supported by that hosting package
Disk space	The disk space amount (in MB) provided by the hosting package (soft limit)
Maximum traffic	The maximum value (in MB per month) of traffic allowed by that hosting package
Maximum number of databases	The maximum number of databases allowed by the hosting package



Options	Explanation
Maximum number of mailboxes	The maximum number of mailboxes allowed by the hosting package
Mailbox quota	The maximum disk space amount available per mailbox allowed by the hosting package
Maximum number of mail redirects	The maximum number of mail redirects allowed by that hosting package
Maximum number of mail groups	The maximum number of mail groups allowed by that hosting package
Maximum number of mail autoresponders	The maximum number of mails autoresponders allowed by that hosting package
Maximum number of mailing lists	The maximum number of mail lists allowed by that hosting package
Quota	The disk space amount (in MB) provided by the hosting package (hard limit)
FrontPage	When <i>Yes</i> , the hosting package provides Microsoft FrontPage Server Extensions.
FrontPage SSL	When <i>Yes</i> , the hosting package provides Microsoft FrontPage Server Extensions over SSL.
FrontPage authoring	When <i>Yes</i> , the hosting package provides remote editing of the web site using Microsoft FrontPage. In this case the FrontPage login details are also available.
ASP Support	When <i>Yes</i> , the hosting package provides ASP support.
SSI Support	When <i>Yes</i> , the hosting package provides SSI support.
PHP Support	When <i>Yes</i> , the hosting package provides PHP support.
CGI Support	When <i>Yes</i> , the hosting package provides CGI support.

Options	Explanation
SSL Support	When <i>Yes</i> , the hosting package provides SSL support.
Error documents	When <i>Yes</i> , the hosting package provides error documents support.

In order to send the domain creation request, the client must click the **Submit** button. To return to the default settings, click **Reset**.

When the domain is created on the server, a hosting creation report is presented to the client. When the domain creation fails, an error is presented to the client.

An email containing details about the created hosting account is dispatched to the client if this feature is enabled in the Administration Module. This email is formatted according to the **Email sent to Plesk client and to person who created the domain** email template.



Appendix A

Client Module Authentication

Why Is This Needed

Let's suppose that you have a hosting business and you need to enable hosting creation for your clients based on online payments approval.

All payment gateways can provide you with an automatic feedback based on the status of the online transaction. This is done via a callback script. Usually this script redirects the user to a download page, client account creation page, etc. in case of a successful transaction. In our case we want the client to be directed to the Client Module to setup the account only if the transaction is successful.

Implementation

The Client Module needs the auth variable to be passed to it using the GET method if the encryption key is provided and the **Use key** is enabled in Settings -> General.

The auth variable is a md5 hash based on the concatenation of the following variables:

- remote IP (the client IP)
- hosting template to be used
- encryption key

For example, a simple php callback script that does the job is the following:

```
<?php
// authentication key
$key = 'your_encryption_key_here';

// hosting template name to be used.
// specify '' to display a dropdown
$template = '';

// remote IP
$ip = $_SERVER['REMOTE_ADDR'];

// perform encryption on these variables
```

```
$auth = md5($ip.$template.$key);  
  
// redirect  
header('Location: index.php?auth='.$auth);  
?>
```

The Client Module checks for a valid encryption key. If it matches, it searches for an auth string matching `[remote_addr][key]`, meaning the hosting template name is empty. If this is the case, then all the hosting templates are available in a dropdown. If not, the matching hosting template is searched through the database.

In this way, based on a payment success and amount, the client can be presented with the option to create a domain based on the a predetermined hosting package.

The `sec_wrapper.php` script available in the Client Module main installation directory can be used as a callback script. In this script you can add logic for other operations.

When encryption is not enabled, you can automatically select a hosting package from the list. In order to do this, pass the template variable to the Client Module using the GET method. When this variable is missing or it is empty, all the templates are available. When the variable is present and matches a template on the system, the form is „locked“ on the specified template.



Appendix B

Server Compatibility

What to install

4PSA Hosting Manager for Plesk is compatible with Plesk 7.x Reloaded installations only.

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

- RedHat Linux 7.3
- RedHat Enterprise Linux 2.1
- RedHat Linux 9
- RedHat Enterprise Linux 3.0
- Fedora Linux Core 1
- Fedora Linux Core 2
- FreeBSD 4.8
- FreeBSD 4.9
- FreeBSD 5.2.1
- FreeBSD 5.3
- Suse Linux 9
- Suse Linux 9.1
- Mandrake 10
- Debian 3.1