

# Proxmox

Fpam

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## About Proxmox

Proxmox is free virtual server hosting panel. Learn more about Proxmox on their website at <https://www.proxmox.com/en/>.

## Supported Features

Create	Cancel	Suspend	Unsuspend	Management	Config Options
YES	YES	YES	YES	YES	NO

## Management Features

This module supports the following management features within the client area:

- Boot, Shutdown, Mount ISO, Unmount ISO, and Reinstall.
- Memory, CPU, Traffic, and Disk IO graphs.
- VNC Host, Port, User, and Password VNC connection details.

Information

- Server Actions
- Stats
- Console
- Return to Dashboard

### Manage VPS 1 - proxmox-vps.stellarvps.com

<b>Package</b> VPS 1	<b>Status</b> Active
<b>Label</b> proxmox-vps.stellarvps.com	<b>Renew Date</b> Jan 18, 2019
<b>Creation Date</b> Dec 18, 2018	<b>Next Invoice</b> Jan 13, 2019
<b>Billing Cycle</b> 1 Month	<b>Recurring Amount</b> \$7.00

Information

- Server Actions
- Stats
- Console
- Return to Dashboard

### Manage VPS 1 - proxmox-vps.stellarvps.com

**Server Status**  
Online

**Server Actions**

Shutdown	Boot	Unmount ISO
Reinstall	Mount ISO	

Information

Server Actions

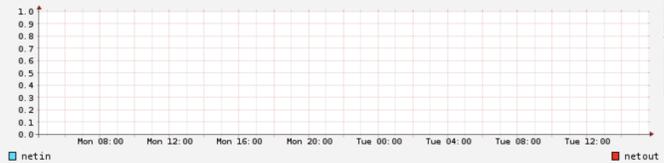
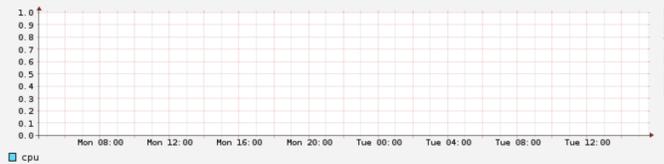
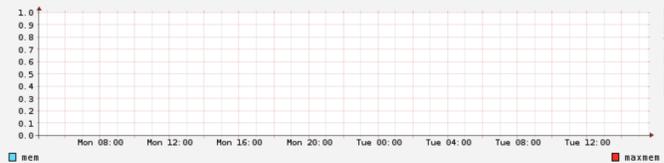
Stats

Console

Return to Dashboard

Manage VPS 1 - proxmox-vps.stellarvps.com

### Graphs



Information

Server Actions

Stats

Console

Return to Dashboard

Manage VPS 1 - proxmox-vps.stellarvps.com

### Console

VNC Host 192.168.0.67  
VNC Port 5900  
VNC root@pam  
Username  
VNC PVEVNC:5C1982A7::YhItM4aKErLnNO6o0Rj|LVTCbYuc8hDj4BS5iRUSGaxFpWvxOYkTILCpWfdebzFT5/ECL4Jb9uKPXrj  
Password

## Installing Proxmox

To install the Proxmox module, visit [Settings] > [Company] > [Modules] > Available, and click the "Install" button for Proxmox.

 Proxmox (ver 2.3.0)  
Author: Phillips Data, Inc. Full Ambient Networks Install

A message will be displayed, indicating that the module was successfully installed. Then click the "Add Server" button.

✓ The module was successfully installed. ✕

### Manage Proxmox

Proxmox Master Servers

There are no servers.

Proxmox Master Server Groups

There are no server groups.

Enter the details for your Proxmox server.

### Add Proxmox Server

Basic Settings

Server Label

User

Password

Hostname

SSL Port Number

Default storage name (e.g. local)

Next VMID (do not change unless necessary!)

Default template

IPs (one per line)

Field Name	Description
Server Label	Enter a label for this Proxmox server, it can be anything you like.
User	Enter the user for your Proxmox server, typically <b>root@pam</b> for "Linux PAM standard authentication" or <b>root@pve</b> for "Proxmox VE authentication server"
Password	Enter the password for your Proxmox server.
Hostname	Enter the hostname for your Proxmox server. IP address works too.
SSL Port Number	Enter the SSL Port Number for your Proxmox server, typically <b>8006</b>

Default storage name	Enter the default storage name for your Proxmox server, typically <b>local</b>
Next VMID	Enter the next VMID for your Proxmox server. If unsure, leave it as <b>200</b>
Default Template	Enter the default template for your Proxmox server, ie "default"
IPs	Enter the IP addresses for your Proxmox server for VMs, one per line.

After filling out these options, click "Add Server" to add your Proxmox server.

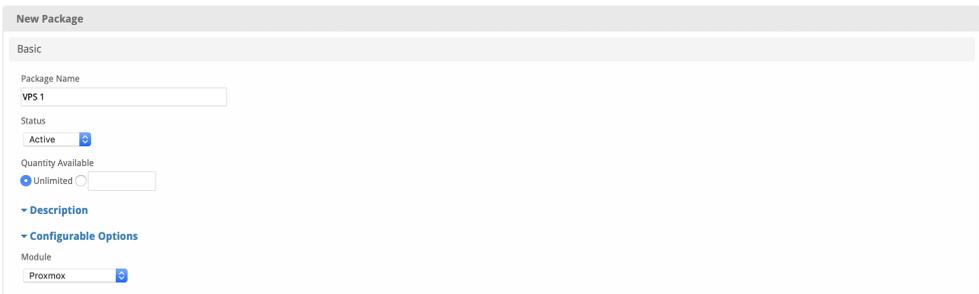
## Creating Packages

Packages define the pricing, welcome email, module and more. Packages can be assigned to Package Groups, and added to Order Forms. To create a Package, visit [Packages] > Browse, and click the "Create Package" button.

Creating a Package consists of several sections:

### Basic

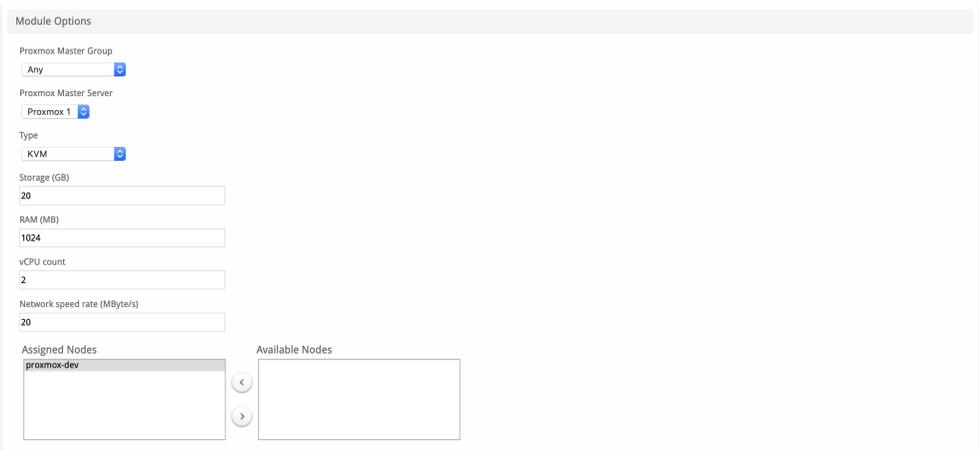
The Basic section consists of the following options:



Field Name	Description
Package Name	Enter the name of this Package, it will be visible wherever services are listed and on any order forms.
Status	"Active" is the default, "Inactive", and "Restricted" are also available.
Quantity Available	If this Package has a limited quantity available, enter the quantity, or leave it as "Unlimited".
Description	Enter a Description for this Package. HTML is allowed, and descriptions appear on order forms.
Configurable Options	Select the Configurable Option Group you created previously, to make those options available for this package.
Module	Select "Proxmox" for the module.

### Module Options

The Module Options section consists of the following options, which are specific to Proxmox:



Field Name	Description
Proxmox Master Group	Select your Proxmox Master Server Group, or select "Any".
Proxmox Master Server	Select your Proxmox Master Server (If you selected "Any" for the group above)
Type	Select the virtualization type. (KVM, or OpenVZ, but support for OpenVZ has been removed from Proxmox. LXC will be supported in a future release of the module.
Storage	Enter the amount of disk for this server in GB, for example "20"
RAM	Enter the amount of RAM/Memory for this server in MB, for example "1024"
vCPU count	Enter the number of CPU cores for this server, for example "2"
Network speed rate	Enter the network speed rate in MBytes per second, ie "20"
Assigned Nodes	Select the Proxmox nodes Virtual Servers may be provisioned on. Move from right to left under Assigned Nodes

## Pricing

Pricing

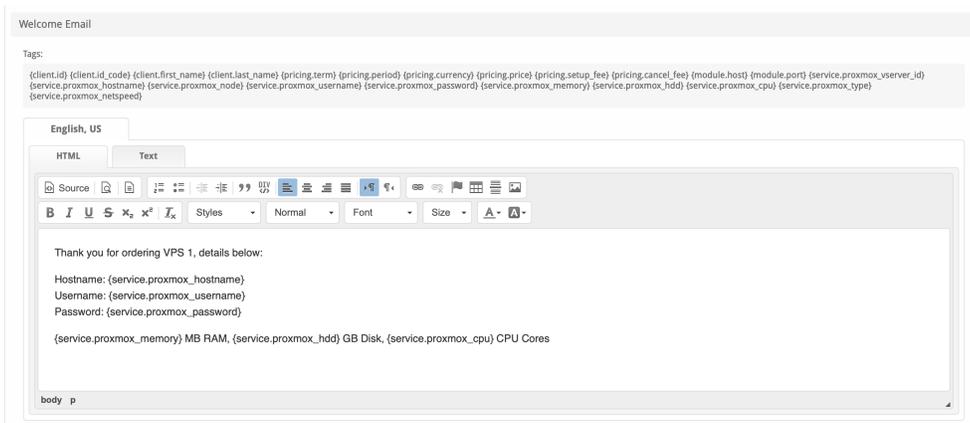
Term	Period	Currency	Price	Setup Fee	Cancellation Fee	Options
1	Month	USD	7.00	0.00	0.00	<a href="#" style="color: red;">Remove</a>

Taxable  
 Cancel at end of term  
 Enable Pro rata [?](#)

Field Name	Description
Term	Enter the term for the desired pricing option. For example, if you wish to create a 3 month pricing option, enter 3 here.
Period	Select the period for this pricing option. "Day", "Week", "Month", "Year", and "One time" are options. The client will be invoiced every "term period", for example every 3 months if 3 is entered for term, and Month is selected for period.
Currency	Select the currency this pricing option is available for.
Price	Enter the price for this pricing option.
Setup Fee	If there is a setup fee, enter it here.
Cancellation Fee	If there is a fee to cancel early, enter it here.

Click the "Add Additional Price" to add more pricing options. It's common for people to create 1 Month, 3 Month, 6 Month, and 1 Year price options. There are many possible combinations.

## Welcome Email



The "Tags" section describes tags that may be used in the welcome email. The welcome email content is inserted into the "Service Creation" email template under [Settings] > [Company] > [Emails] > Service Creation. Only details unique to this service should be entered into the welcome email section for the package.

### Sample Email

This sample email could be used in the Package Welcome Email section to help you get started. Be sure to enter content for your welcome email in both the HTML and Text sections. You may wish to provide additional details, so it's a good idea to review the available tags in the Welcome Email section of Package creation.

```

Thank you for ordering VPS 1, details below:

Hostname: {service.proxmox_hostname}

Proxmox Panel: https://{module.host}:{module.port}
Username: {service.proxmox_username}
Password: {service.proxmox_password}

{service.proxmox_memory} MB RAM, {service.proxmox_hdd} GB Disk, {service.proxmox_cpu} CPU Cores

```

When creating or editing a package that uses this module, the following tags will be available:

Tags	Description	Notes
{service.proxmox_vserver_id}	The ID of the VM in Proxmox.	e.g. "200"
{service.proxmox_hostname}	The hostname for the Proxmox VM.	e.g. "proxmox.domain.com"
{service.proxmox_node}	The node ID the VM is on.	e.g. "proxmox-dev"
{service.proxmox_type}	The VM server type.	e.g. "openvz", "qemu" (KVM)
{service.proxmox_username}	The user name for the client to access their Proxmox VM.	e.g. "vmuser1"
{service.proxmox_password}	The password for the client to access their Proxmox VM.	e.g. "password123"
{service.proxmox_cpu}	The number of CPUs for the VM.	e.g. 2
{service.proxmox_memory}	The RAM in megabytes assigned to the VM	e.g. 100
{service.proxmox_hdd}	The storage in gigabytes assigned to the service	e.g. 10
{service.proxmox_netspeed}	The network speed in megabytes per second	e.g. 100
{module.host}	The Proxmox server hostname	e.g. "127.0.0.1" or "proxmox.domain.com"
{module.port}	The Proxmox server port	e.g. "8006"

Due to the nature of tag objects containing several fields, many of which are likely irrelevant for use in email templates, but may be useful to you in certain circumstances, a dump of the tags are shown below.

#### The {package} object

```
stdClass Object
(
  [id] => 72
  [id_format] => {num}
  [id_value] => 63
  [id_code] => 63
  [module_id] => 19
  [name] => Proxmox Server
  [description] =>
  [description_html] =>
  [qty] =>
  [module_row] => 21
  [module_group] =>
  [taxable] => 0
  [single_term] => 0
  [status] => active
  [company_id] => 1
  [prorata_day] =>
  [prorata_cutoff] =>
  [email_content] => Array
    (
      [0] => stdClass Object
        (
          [lang] => en_us
          [html] =>
          [text] =>
        )

      [1] => stdClass Object
        (
          [lang] => es_es
          [html] =>
          [text] =>
        )
    )

  [pricing] => Array
    (
      [0] => stdClass Object
        (
          [id] => 147
          [pricing_id] => 392
          [package_id] => 72
          [term] => 1
          [period] => month
          [price] => 1.0000
          [setup_fee] => 0.0000
          [cancel_fee] => 0.0000
          [currency] => USD
        )
    )

  [meta] => stdClass Object
    (
      [cpu] => 1
      [hdd] => 10
      [memory] => 100
      [netspeed] => 100
      [nodes] => Array
        (
          [0] => proxmox-dev
        )

      [type] => qemu
    )

  [groups] => Array
    (
      [0] => stdClass Object
```

```
(
  [id] => 82
  [type] => standard
  [name] => Proxmox
  [description] =>
  [company_id] => 1
  [allow_upgrades] => 1
  [names] => Array
    (
      [0] => stdClass Object
        (
          [lang] => en_us
          [name] => Proxmox
        )
      [1] => stdClass Object
        (
          [lang] => es_es
          [name] => Proxmox
        )
    )
  [descriptions] => Array
    (
      [0] => stdClass Object
        (
          [lang] => en_us
          [description] =>
        )
      [1] => stdClass Object
        (
          [lang] => es_es
          [description] =>
        )
    )
)

[option_groups] => Array
(
)

[plugins] => Array
(
)

[names] => Array
(
  [0] => stdClass Object
    (
      [lang] => en_us
      [name] => Proxmox Server
    )
  [1] => stdClass Object
    (
      [lang] => es_es
      [name] => Proxmox Server
    )
)

[descriptions] => Array
(
  [0] => stdClass Object
    (
```

```

        [lang] => en_us
        [html] =>
        [text] =>
    )

    [1] => stdClass Object
    (
        [lang] => es_es
        [html] =>
        [text] =>
    )

)

[cpu] => 1
[hdd] => 10
[memory] => 100
[netspeed] => 100
[nodes] => Array
(
    [0] => proxmox-dev
)

[type] => qemu
)

```

### The {service} object

```

stdClass Object
(
    [id] => 1765
    [parent_service_id] =>
    [package_group_id] => 82
    [id_format] => {num}
    [id_value] => 1668
    [pricing_id] => 147
    [client_id] => 33
    [module_row_id] => 21
    [coupon_id] =>
    [qty] => 1
    [override_price] =>
    [override_currency] =>
    [status] => active
    [suspension_reason] =>
    [date_added] => 2019-01-25 20:59:16
    [date_renews] => 2019-02-25 20:59:16
    [date_last_renewed] =>
    [date_suspended] =>
    [date_canceled] =>
    [id_code] => 1668
    [fields] => Array
    (
        [0] => stdClass Object
        (
            [key] => proxmox_cpu
            [value] => 1
            [serialized] => 0
            [encrypted] => 0
        )

        [1] => stdClass Object
        (
            [key] => proxmox_hdd
            [value] => 10
            [serialized] => 0
            [encrypted] => 0
        )

        [2] => stdClass Object
    )
)

```

```
(
  [key] => proxmox_hostname
  [value] => host.domain.com
  [serialized] => 0
  [encrypted] => 0
)

[3] => stdClass Object
(
  [key] => proxmox_ip
  [value] =>
  [serialized] => 0
  [encrypted] => 0
)

[4] => stdClass Object
(
  [key] => proxmox_memory
  [value] => 100
  [serialized] => 0
  [encrypted] => 0
)

[5] => stdClass Object
(
  [key] => proxmox_netspeed
  [value] => 100
  [serialized] => 0
  [encrypted] => 0
)

[6] => stdClass Object
(
  [key] => proxmox_node
  [value] => proxmox-dev
  [serialized] => 0
  [encrypted] => 0
)

[7] => stdClass Object
(
  [key] => proxmox_password
  [value] => testpassword
  [serialized] => 1
  [encrypted] => 1
)

[8] => stdClass Object
(
  [key] => proxmox_type
  [value] => qemu
  [serialized] => 0
  [encrypted] => 0
)

[9] => stdClass Object
(
  [key] => proxmox_username
  [value] => vmuser33
  [serialized] => 0
  [encrypted] => 0
)

[10] => stdClass Object
(
  [key] => proxmox_vserver_id
  [value] =>
  [serialized] => 0
  [encrypted] => 0
)
```

```

    )

[package_pricing] => stdClass Object
(
    [id] => 147
    [package_id] => 72
    [pricing_id] => 392
    [term] => 1
    [period] => Month
    [price] => 1.0000
    [setup_fee] => 0.0000
    [cancel_fee] => 0.0000
    [currency] => USD
)

[package] => stdClass Object
(
    [id] => 72
    [id_format] => {num}
    [id_value] => 63
    [module_id] => 19
    [name] => Proxmox Server
    [description] =>
    [description_html] =>
    [qty] =>
    [module_row] => 21
    [module_group] =>
    [taxable] => 0
    [single_term] => 0
    [status] => active
    [company_id] => 1
    [prorata_day] =>
    [prorata_cutoff] =>
)

[options] => Array
(
)

[name] => host.domain.com
[proxmox_cpu] => 1
[proxmox_hdd] => 10
[proxmox_hostname] => host.domain.com
[proxmox_ip] =>
[proxmox_memory] => 100
[proxmox_netspeed] => 100
[proxmox_node] => proxmox-dev
[proxmox_password] => testpassword
[proxmox_type] => qemu
[proxmox_username] => vmuser33
[proxmox_vserver_id] =>
)

```

## Group Membership

Group Membership

A package must belong to at least one group to be usable.

Select from Available Groups
  Create a New Group

Standard Package Group Name

WPS Servers

[Create Package](#)

If this is the first Package you are creating with this module, select the "Create a New Group" option, and enter a Group name. If you are adding a subsequent Package and wish for it to be part of the same group, select "Select from Available Groups", and move the group from the right to the left of the multi-select box.

When finished, click "Create Package" to create this package.

## Final Steps

The only thing left to do is to add this Package Group to an order form so clients may place orders for your Proxmox servers. See [Creating an Order Form](#) for more details.

## Common Errors

None yet