

v2024.1

# Zare WHMCS Module

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## Abstract

### Zare WHMCS Module at a glance for our users

Zare is a premier server hosting provider specializing in 100% bare-metal solutions to ensure unparalleled performance for its customers. By leveraging dedicated, physical servers, Zare eliminates the overhead and latency associated with virtualized environments, offering the highest levels of speed, reliability, and control. With a focus on delivering top-tier computing power, Zare's baremetal hosting is ideal for businesses and enthusiasts alike demanding robust, high-performance compute power for their critical applications and workloads.

### Features but not limited to:

#### **Admin Features:**

1. Deployment: You can allocate a server to your customer as requested.
2. Termination: You can submit a cancellation request via API.
3. Server Management: Administrators have the ability to start, stop, restart, suspend, unsuspend, terminate, reinstall, enable rescue mode, manage reverse PTR, and adjust firewall settings (state and sensitivity). They can also view comprehensive information, including server details, iKVM access (if available), IP addresses, and a graph of monthly bandwidth usage.
4. Pricing Adjustment: While Zare has predefined prices for Windows you have the flexibility to adjust them according to your specific requirements.

#### **Client Features:**

1. Server Information: Clients can access basic server information, including Hostname, Processor, Drives, Memory, Username, Password, OS, Status, Uplink, Traffic, Location, and IP addresses.
2. Control Panel: can perform Power On, Power Off, Reboot, reinstall (OS & Rescue Image) and Console (if supported by the server).
3. Network Management: View IP address details, including IP, Gateway, Netmask, and options to view and set PTR records, as well as manage firewall state and sensitivity.
4. Bandwidth Usage Graph: Clients can view usage of Traffic, Packets per second, Port Utilization, Port Errors, Average Packets & Port Discards.

5. Firewall Log: Clients can view firewall logs if there is an DDOS attack.

## Installation and Configuration

This tutorial will show you how to successfully install and configure Zare Server Module for WHMCS. We will guide and help you step by step through the whole process.

### Downloading and Uploading to WHMCS

1. Obtain (At this point, we assume you've acquired the module from portal).
2. Unpack the module on your local system and transfer the "ZareServer" folder to your WHMCS directory named `"/path-to-your-WHMCS/modules/servers/"` on your WHMCS installation.

### Obtaining API credentials

1. Visit the URL `"https://manager.zare.com/"` and log in with your credentials.
2. Go to the "Account" section in the top menu and select the "API" tab, or go directly to `"https://manager.zare.com/api"`.
3. Click on "Generate Secret Key" to create a new key.
4. Copy the Secret Key from the provided box.

### Creating your first WHMCS server/ adding API details.

Reference: <https://docs.whmcs.com/Servers>

Adding a Server:

1. Log in to your WHMCS as an admin user and go to Configuration > System Settings > Servers.
2. Select "Add New Server" and choose "Zare Servers" from the module dropdown.
3. Enter the Hostname or IP Address as: `api.zare.com` (you can assign any name).
4. For Username & Password field, keep it blank
5. Access Hash: Paste the previously copied Secret Key.
6. Proceed by clicking on "Test Connection" or "Continue Anyway".
7. If prompted for IP address and Hostname filed you can put `127.0.0.1` & `localhost`

#### Edit Server

Name	Zare Server
Hostname	zare.server.local
IP Address	127.0.0.1
Assigned IP Addresses (One per line)	
Monthly Cost	0.00
Datacenter/NOC	
Maximum No. of Accounts	200
Server Status Address	To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/
Enable/Disable	<input type="checkbox"/> Check to disable this server

#### Server Details

Module	Zare Servers	Test Connection
Username		
Password		
Access Hash	IS%09GcHl	
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections	

[Save Changes](#) [Cancel Changes](#)

### Creating a Server Group:

1. Click Create New Group under the Options heading.
2. Enter a name for your group.
3. Select the servers you want to assign (previously created) to this group in the box on the left.
4. Click Add to move them to the box on the right, which contains the servers for this group.
5. Click Save Changes to complete the process.

#### Servers

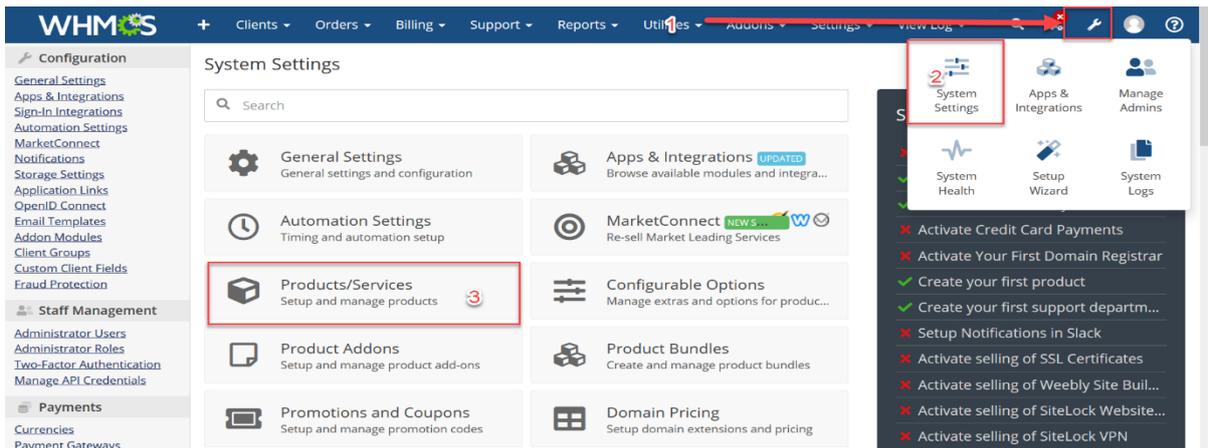
##### Edit Group

Name	Zare Servers
Fill Type	<input checked="" type="radio"/> Add to the least full server <input type="radio"/> Fill active server until full then switch to next least used
Selected Servers	<div style="display: flex; align-items: center;"><div style="border: 1px solid #ccc; width: 100px; height: 100px; margin-right: 10px;"></div><div style="border: 1px solid #ccc; padding: 5px; margin-right: 10px;">Zare Server</div><div style="margin-right: 10px;">Add &gt;</div><div style="margin-right: 10px;">&lt; Remove</div></div>

[Save Changes](#) [Cancel Changes](#)

### Configuration of Product/Services

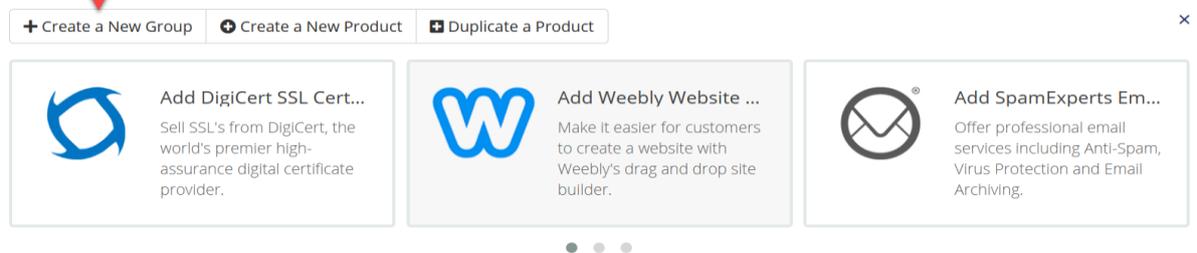
1. In order to create a product, we need to first Navigate into Configuration > System Settings > Product/Services



2. Now let's create a product group, click on **Create Product Group**

### Products/Services

This is where you configure all your products and services. Each product must be assigned to a group which can either be visible or hidden from the order page (products may also be hidden individually). A product which is in a hidden group can still be ordered using the Direct Order Link shown when editing the package.



3. In next page provide a **Product Group** name and adjust all other things based on your requirement then click on **Save Changes**

### Products/Services

#### Create Group

Product Group Name  1 Translate

URL  OK

Product Group Headline  Translate

Product Group Tagline  Translate

Group Features *You must save the product group for the first time before you can add features*

Standard Cart (Default)
  Premium Comparison
  Pure Comparison
  Supreme Comparison

Universal Slider
  Cloud Slider
  Legacy Boxes
  Legacy Modern

Available Payment Gateways  Mail In Payment

Hidden  Check this box if this is a hidden group

2 Order Form Template

3 Save Changes Cancel Changes

4. Now Create a New Product

## Products/Services

This is where you configure all your products and services. Each product must be assigned to a group which can either be visible or hidden from the order page (products may also be hidden individually). A product which is in a hidden group can still be ordered using the Direct Order Link shown when editing the package.

+ Create a New Group   + Create a New Product   + Duplicate a Product

**Add DigiCert SSL Cert...**  
Sell SSL's from DigiCert, the world's premier high-assurance digital certificate provider.

**Add Weebly Website ...**  
Make it easier for customers to create a website with Weebly's drag and drop site builder.

**Add SpamExperts Em...**  
Offer professional email services including Anti-Spam, Virus Protection and Email Archiving.

5. In the next you need to configure below details
  - a. **Product Type** – Select as **Server/VPS**, we recommended to select type as **Other**, because during order process your customer will not prompted to provide Hostname, Password, NS1 & NS2 prefix. If Sever/VPS selected then your customer will be prompted to provide these details.
  - b. **Product Group** – Select the product group that we created
  - c. **Product Name** – Provide your product name
  - d. **Module** – Zare Servers
  - e. **Create as Hidden** – Off
  - f. **Save Change** - Once the above required filed is set click on Save changes
6. In next page
  - a. **Verify** – Product Type
  - b. **Welcome Email** – Select Dedicated/VPS Server Welcome Email
  - c. **Module Settings** – Select Module Settings Tab
7. In Modules Settings Tab select below required details (Module Name, Server group) and then confirm your selections by clicking the Save Changes button.
8. It will create custom fields named (serverId|Server Id, rescue|Rescue Password) as shown below, which will store your server Id and rescue password (if booted into rescue mode)

## Products/Services

Edit Product

Details   Pricing   Module Settings   Custom Fields   Configurable Options   Upgrades   Free Domain   Cross-sells   Other   Links

Field Name: serverId|Server Id   Display Order: 0

Field Type: Text Box

Description: The explanation to show users

Validation: Regular Expression Validation String

Select Options: For Dropdowns Only - Comma Separated List

Admin Only    Required Field    Show on Order Form    Show on Invoice   Delete Field

Field Name: rescue|Rescue Password   Display Order: 0

Field Type: Text Box

Description: The explanation to show users

Validation: Regular Expression Validation String

Select Options: For Dropdowns Only - Comma Separated List

Admin Only    Required Field    Show on Order Form    Show on Invoice   Delete Field

- It will also create Configurable Options automatically when you create your first product and going further you can adjust your configurable Options by following our next steps.

## Configurable Options (If No custom Plan is selected)

- Go to System Settings -> Configurable Options and click on edit

- Edit the newly created Options example:

Configurable options for Zare Servers Auto generated by Zare Servers module

Add New Configurable Option

Option	Sort Order	Hidden
location Location	<input type="text" value="0"/>	<input type="checkbox"/>
template Template	<input type="text" value="0"/>	<input type="checkbox"/>

- Configurable Option Location - template|Template
  - For this adjust the prices for Windows OS

	INR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
		Pricing	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
	USD	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
		Pricing	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
10006 Windows Server 2	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
		Pricing	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
	INR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
		Pricing	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
	USD	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
		Pricing	<input type="text" value="28.00"/>	<input type="text" value="0.00"/>				
10500 Alma Linux 8.x	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>

- Configurable Option – location|Location

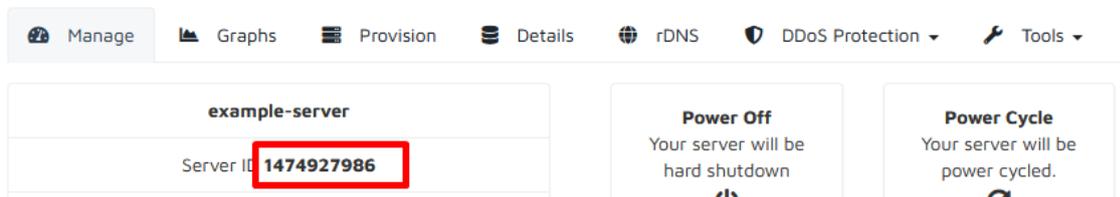
### Configurable Options

Option Name:  Option Type:

Options		One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial
2   London, UK	EUR Setup	0.00	0.00	0.00	0.00	0.00	0.00
	Pricing	0.00	0.00	0.00	0.00	0.00	0.00
	INR Setup	0.00	0.00	0.00	0.00	0.00	0.00
	Pricing	0.00	0.00	0.00	0.00	0.00	0.00
	USD Setup	0.00	0.00	0.00	0.00	0.00	0.00
	Pricing	0.00	0.00	0.00	0.00	0.00	0.00
3   Amsterdam, NL	EUR Setup	0.00	0.00	0.00	0.00	0.00	0.00

## Adding your existing Server to your users to allow them to use the module

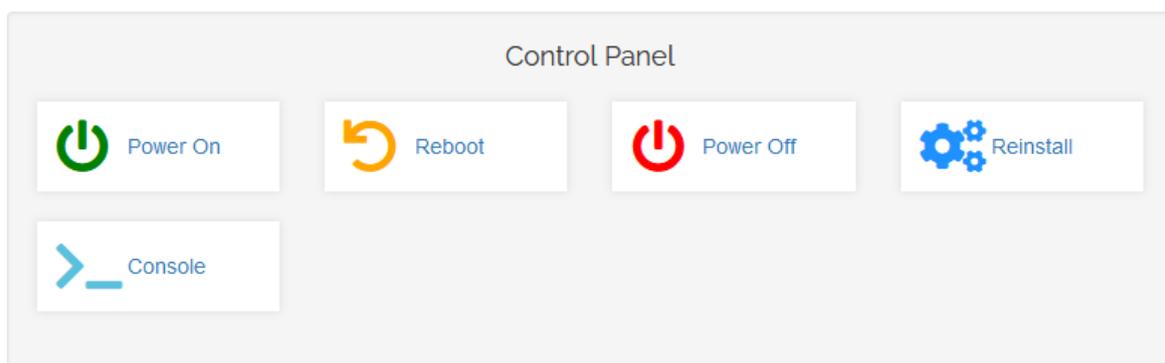
- Once you have completed with your module setups edit your user's product and within custom file named Server Id, paste your Server ID that you can obtained from Zare Manager as shown below



## Snapshots of the Module:

Client Area:

Control Panel:



## Server Basic Information:

[Server Information](#) [Configurable Options](#) [Resource Usage](#)

**Hostname** localVM27  
**Primary IP** 185.38.151.32

 **Server Basic Required Information**  
Here are the essential day-to-day details you should keep readily accessible for connecting to your Server whenever the need arises.

Server Details

<b>Hostname</b>	example-server
<b>Processor</b>	Intel Xeon E3-1270v6
<b>Drives</b>	4 x 500GB SSD
<b>Memory</b>	64 GB
<b>IP Address</b>	5.226.139.16
<b>Username</b>	root
<b>Password</b>	<input type="password"/> 
<b>Operating System</b>	 CentOS 6.X (64 Bit)
<b>Status</b>	<span>ACTIVE</span>
<b>Uplink</b>	1000 Mbps
<b>Total Traffic</b>	30 TB
<b>Location</b>	 London, UK

## Network Management:

 **Network Management**  
You have the capability to handle your IP addresses, including configuring reverse PTR records.

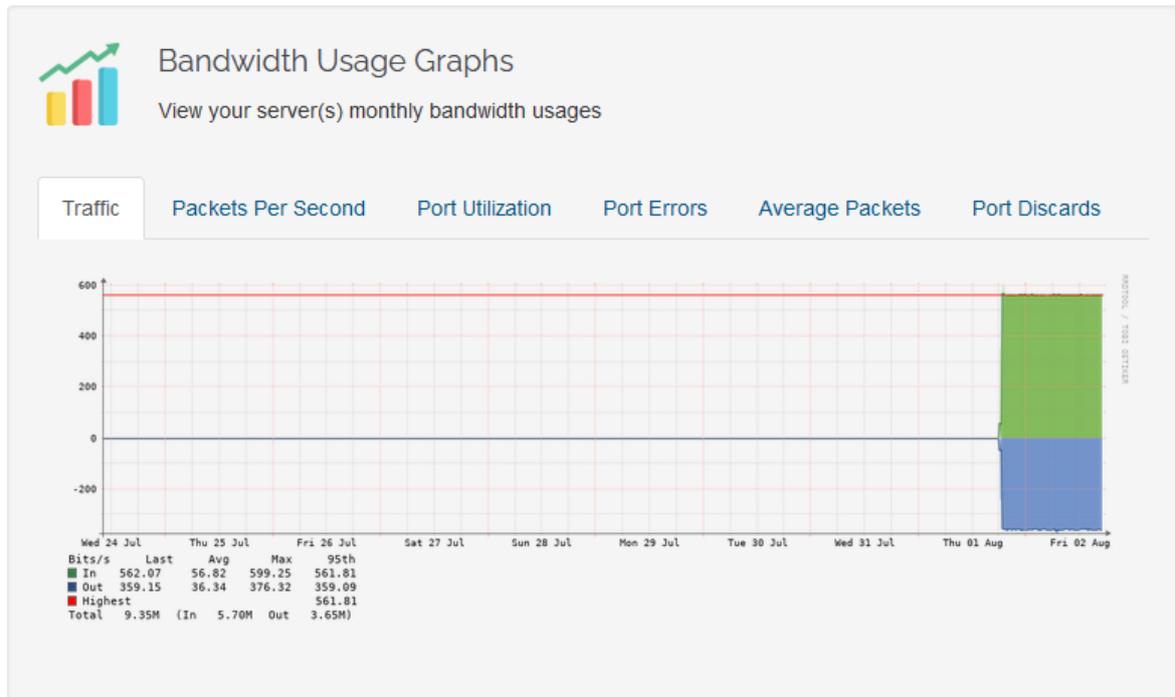
Show  entries Search:

IP Addresses

IP ADDRESS	GATEWAY	NETMASK	REVERSE PTR	
5.226.139.16	5.226.139.1	255.255.255.128	16.139.226.5.baremetal.zare.com	 

Previous **1** Next

## Bandwidth Usage Graphs:



## Firewall Log:

**Firewall Log**  
When you're experiencing a DDoS attack, you can review those logs on a weekly basis.

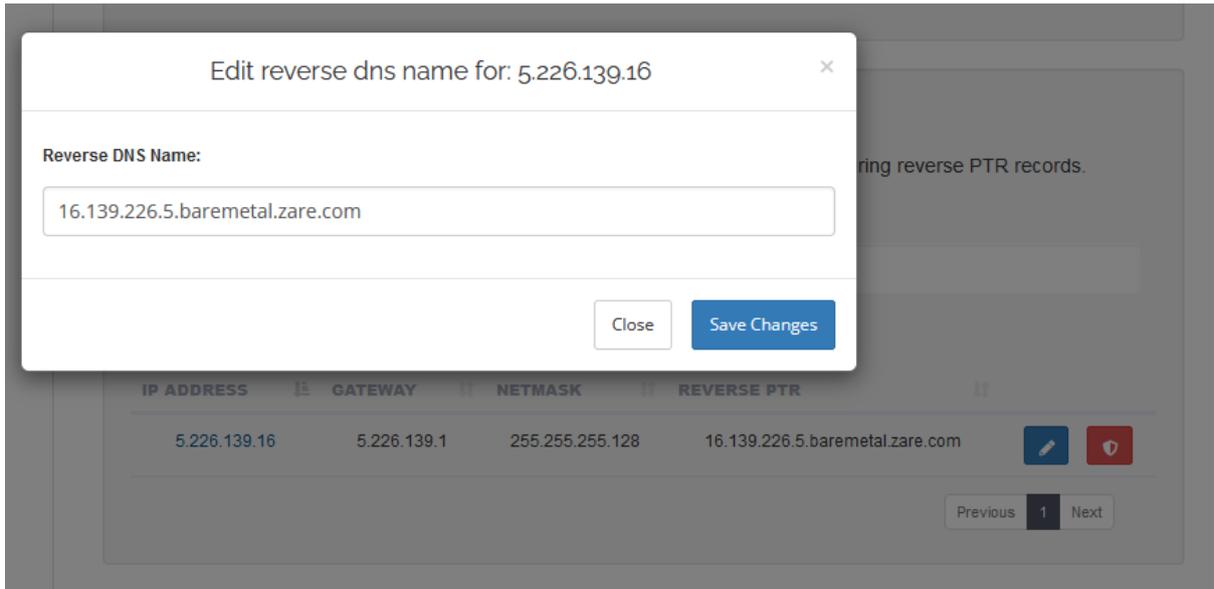
Show  entries Search:

Attack Details

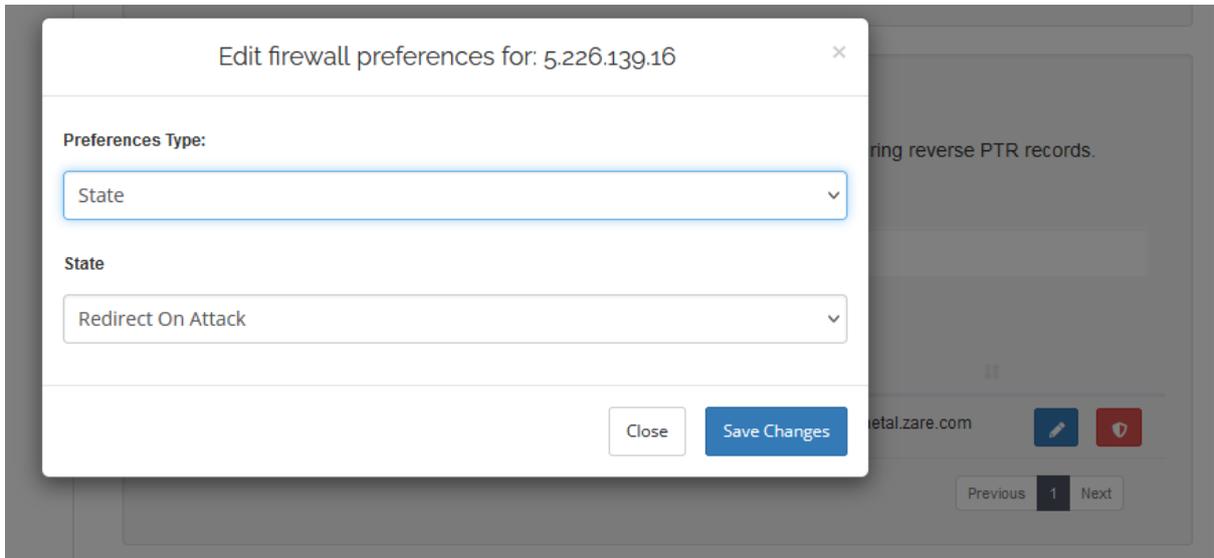
IP	PORT	TYPE	SIZE	PPS	STARTED
No data available in table					

Previous Next

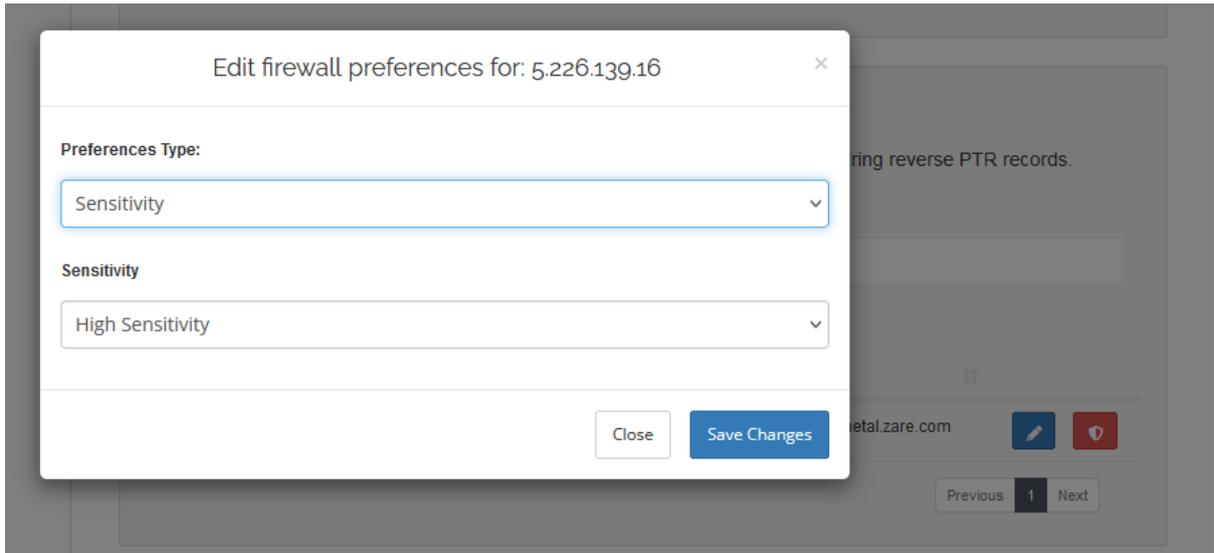
## Reverse PTR:



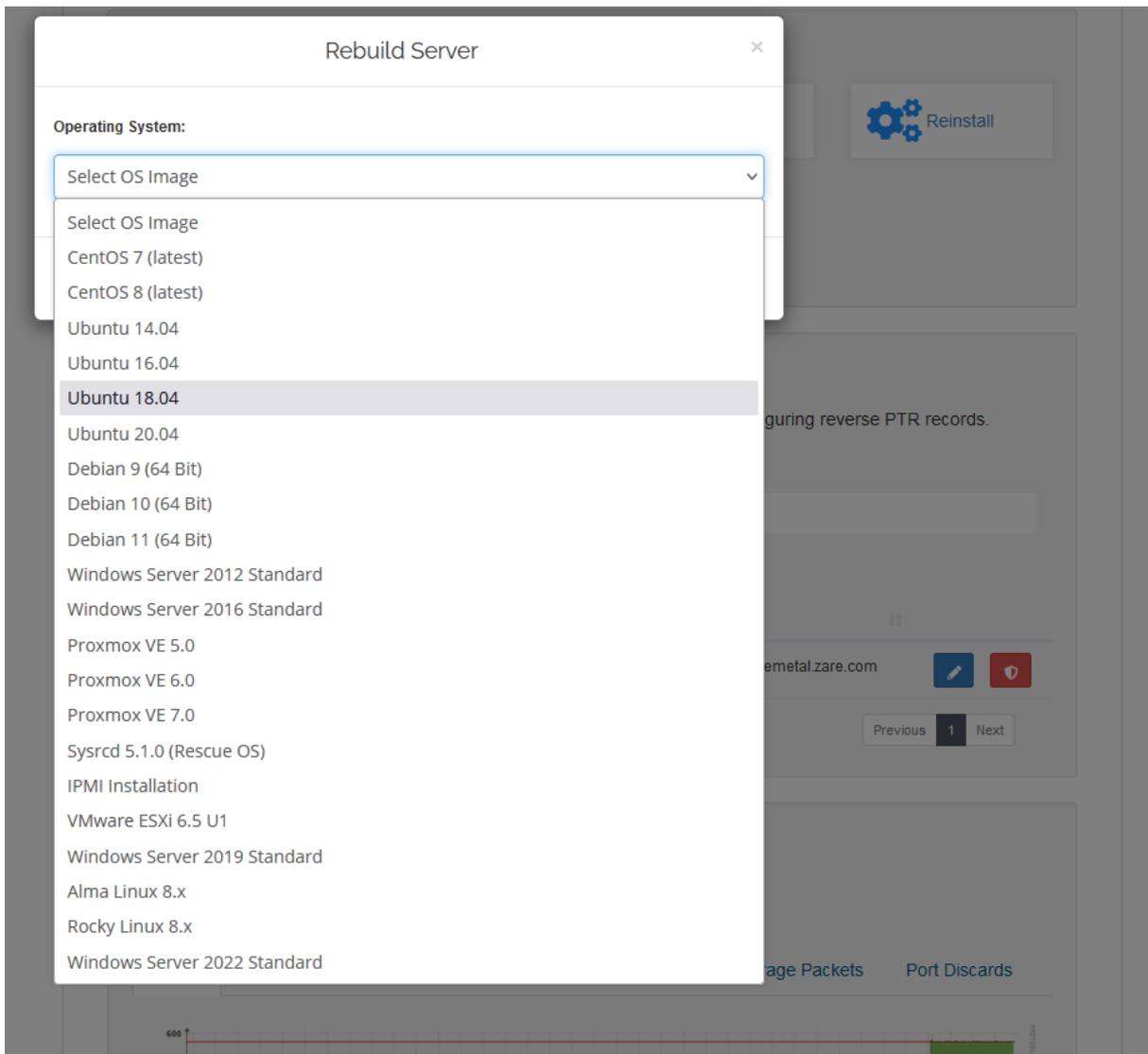
Firewall State Change:



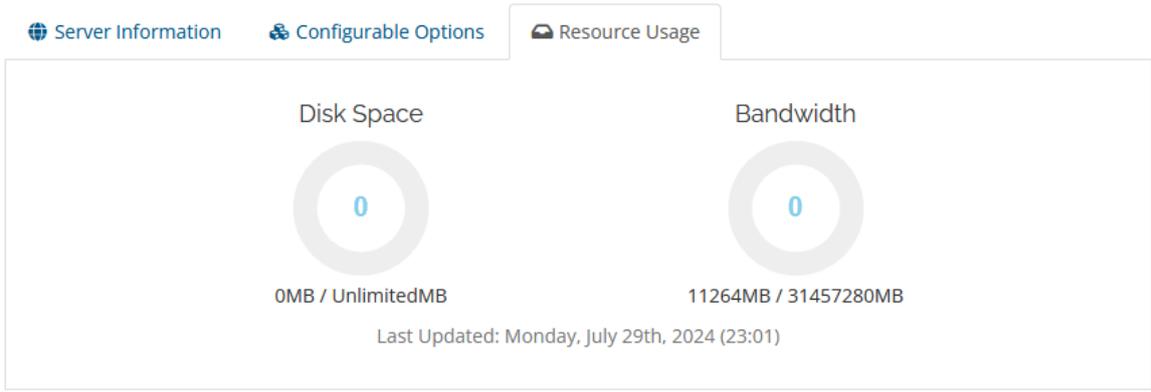
Firewall Sensitivity Change:



### Server Install/ Rescue:



### Resource Usage:



**Admin Area:**

**Server Information:**

<p>Server: <span>Zare Server (1/200 Accounts)</span></p> <p>Hostname: <span>localvm27</span></p> <p>Dedicated IP: <span>185.38.151.32</span></p> <p>Username: <span>root</span></p> <p>Password: <span>O38xEw2TmF</span> <span>Generate</span></p> <p>Status: <span>Active</span></p> <p>Assigned IPs: <span></span></p> <p>Nameserver 1: <span></span></p> <p>Nameserver 2: <span></span></p> <p>Template: <span>CentOS 8 (latest)</span></p> <p>Location: <span>London, UK</span></p> <p>Module Commands: <span>Suspend</span> <span>Unsuspend</span> <span>Terminate</span> <span>Start Server</span> <span>Stop Server</span> <span>Reboot Server</span></p>	<p>Recurring Amount: <span>0.00</span> <span>Recalculate on Save</span> <span>No</span></p> <p>Next Due Date: <span>N/A</span></p> <p>Termination Date: <span></span></p> <p>Billing Cycle: <span>Free</span></p> <p>Payment Method: <span>Bank Transfer</span></p> <p>Promotion Code: <span>None</span></p>
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<p>Server Informations</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Hostname</td><td>example-server</td></tr> <tr><td>Server Id</td><td>1474927986</td></tr> <tr><td>Template</td><td>CentOS 6.X (64 Bit)</td></tr> <tr><td>IP Address</td><td>5.226.139.16</td></tr> <tr><td>Password</td><td>6dafuEBv9j8L</td></tr> <tr><td>Status</td><td>active</td></tr> <tr><td>Console</td><td><a href="#">Open Console</a></td></tr> </table>	Hostname	example-server	Server Id	1474927986	Template	CentOS 6.X (64 Bit)	IP Address	5.226.139.16	Password	6dafuEBv9j8L	Status	active	Console	<a href="#">Open Console</a>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Processor</td><td>Intel Xeon E3-1270v6</td></tr> <tr><td>Drives</td><td>4 x 500GB SSD</td></tr> <tr><td>Memory</td><td>64 GB</td></tr> <tr><td>Location</td><td> London, UK</td></tr> <tr><td>Total Traffic</td><td>30 TB</td></tr> <tr><td>Uplink</td><td>1000 Mbps</td></tr> </table>	Processor	Intel Xeon E3-1270v6	Drives	4 x 500GB SSD	Memory	64 GB	Location	London, UK	Total Traffic	30 TB	Uplink	1000 Mbps
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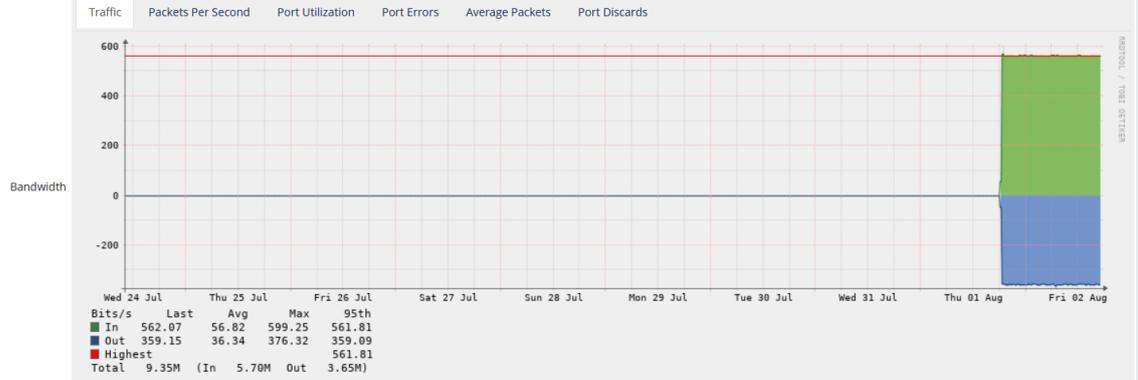
**Admin Area other details:**

Interface	IP Address	Subnet	Gateway	Netmask	Sensitivity	State	Reverse PTR
	5.226.139.16	5.226.139.0/25	5.226.139.1	255.255.255.128	Normal	Redirect On Attack	16.139.226.5.baremetal.zare.com

Rebuild Server Select OS Image reinstall

Reverse PTR Select IP Address Enter RDNS Value rDNS

Firewall Select IP Address Select State Select Sensitivity Firewall



Addons	Reg Date	Name	Pricing	Status	Next Due Date
No Records Found					

Server Id 1474927986

Rescue Password