

Description

ProxmoxKVM module **WHMCS**

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Preface

Starting with version 1.3 **ProxmoxKVM WHMCS module**, integrates with the **PUQ Customization WHMCS Addon (FREE)** for a thinner tuning of parameters and configurations.

Check out the PUQ Customization WHMCS Addon

<https://doc.puq.info/books/puq-customization-whmcs-addon>

<https://download.puqcloud.com/WHMCS/addons/PUQ-Customization/>

The module allows your customers to provision and manage KVM machines using the Proxmox server or Proxmox cluster.

The module allows you to manage virtually all functions available in Proxmox directly from the WHMCS panel without going to the Proxmox panel. This greatly simplifies and facilitates customer account management, improves customer satisfaction and reduces the number of support requests.

To work properly, the module requires a previously configured and working Proxmox server or Proxmox cluster (we have prepared [detailed instructions here](#)) and, apart from other requirements, also the available IP address range

The module is intended for advanced users, because the installation and correct configuration requires knowledge and experience in the management and configuration of servers and the network. Although the instructions are detailed and allow the module to be installed by an intermediate user, we suggest that when installing the module, follow the order in the installation documentation.

For technical reasons, the module will not support LVM-based storage(Due to the fact that they do not use in the cluster as a shared storage).

We provide installation service in two variants: module installation and configuration and full implementation. Please [look here](#) for details. You can [order service here](#).

The module, fully installed and correctly implemented in the system, offers the following functionalities.

Module Functions:

- Automatic creation of a KVM virtual machine
- Service suspend and unsuspend function
- Service termination function. Removes a virtual machine and all dependencies associated with it. Adds a note on the product details page in WHMCS admin panel with the date and IP address that was used by this virtual machine.
- Automatically adds additional disk to a virtual machine if an additional disk is configured in the product configuration (It is possible to provision VM with two separately configured disks - a system booting one and second one).
- Automatically configures virtual machine parameters such as:
 - the number of CPU processor cores,
 - RAM,
 - disk bandwidth limits such as megabytes per second and the number of I/O operations,
 - network card bandwidth limits.
 - IPv4 and IPv6
 - DNS records forward and reverse
- Module supports multilingualism (**Arabic, Azerbaijani, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Estonian, Farsi, French, German, Hebrew, Hungarian, Italian, Macedonian, Norwegian, Polish, Romanian, Russian, Spanish, Swedish, Turkish, Ukrainian**)
- Automatically selects an available IP address from a list of IP addresses provided during initial module installation and configuration.
- Automatically configures the virtual machine system user and password which is then sent by email to customer.

- Automatically adds rules to the firewall that allow you to avoid spoofing the IP address of the virtual machine.
- Configures the *cloud-init* device to auto-configure the virtual machine.
- Snapshot and backup management. Admin can define options for its clients. *The number of snapshots and backups is configured by additional options to the product, and if it is not specified or set to zero, then the function of snapshots and backup will not be available to the client.*
- Managing forward and reverse zone DNS records - system prepares detailed information with the DNS zone data in the ticket and by providing an endpoint URL address that you can use for automation
- Integrated noVNC WEB console for KVM access
- Implemented the function of reinstalling the operating system with the ability to change the operating system to another.
- The function of resetting the operating system (root) password has been implemented in client and admin panel.
- Statistics on the use of virtual machine resources in the form of graphs (CPU, RAM, disk, network). Real-time metric data are imported from hypervisor.
- Under certain conditions, you can change the virtual machine's identifier to a specific service (the machine with the given identifier must be created on the Proxmox server / cluster and not be connected to any other service). This can be useful when you want to attach existing machines to a module. Machines added in this way may not have all management options
- The function of mount an ISO image to a virtual machine has been implemented.
- We have prepared templates for the most common distributions but You can create additional ones - we provide brief requirements later in this guide.
- Module allows when the virtual machine template has 2 disks that can be stored on different network storages. For example, the system disk of the virtual machine is stored on the fast storage, and an additional disk is stored on the slow storage, designed for backups inside the virtual machine.
- For ISO images, you can use another network storage
- Configurable Option (Backups/Snapshots/CPU/RAM/IPv4/IPv6)

WHMCS minimal version: 8 +

Minimal Proxmox version: 7 +

Screenshots

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KVM 10GB
proxmox

ACTIVE

Upgrade

Request
Cancellation

Registration Date
Tuesday, July 11th, 2023

First Payment Amount
100.50 zł

Recurring Amount
76.50 zł

Billing Cycle
Monthly

Next Due Date
Friday, August 11th, 2023

Payment Method
Bank Transfer

Manage [Configurable Options](#)



Start



Stop



noVNC



Charts

i	Status	running (Uptime: 0 days 02:19:45)
🖥️	CPU (1.94% of 1CPU)	98.06%
📊	RAM (0.5275 GiB of 1 GiB)	52.75% 47.25%
🕒	System disk	10 GiB Read/Write : 100/100 MB/s 500/500 ops/s
🌐	Network adapter	(6E:94:32:8F:76:58) Read/Write : 12/12 MB/s

Network configuration

▼ 🌐 IPv4: 77.87.125.225/25 (real-8-4909.vps.uuq.pl)

IP	77.87.125.225/25
GW	77.87.125.129
DNS	77.87.125.10 77.87.125.20

▶ 🌐 IPv6: 2a11:ff00:0000:0000:0000:0000:0215/120 (real-8-4909.vps.uuq.pl)



Reinstall



Snapshots



Backups



Reset password



revDNS



ISO

Overview

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Last hour

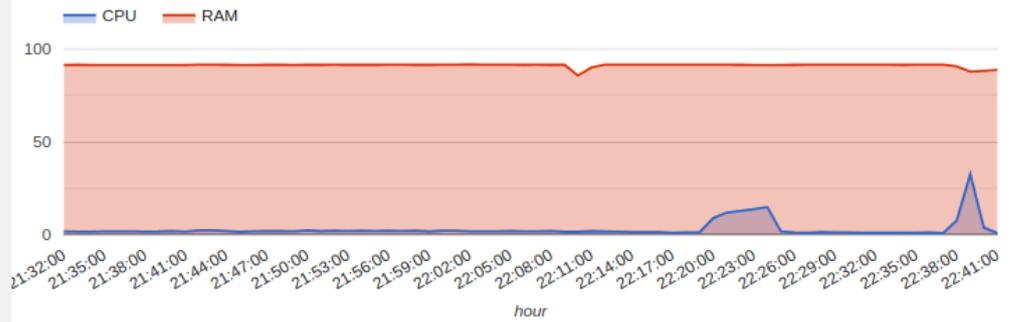
Last day

Last week

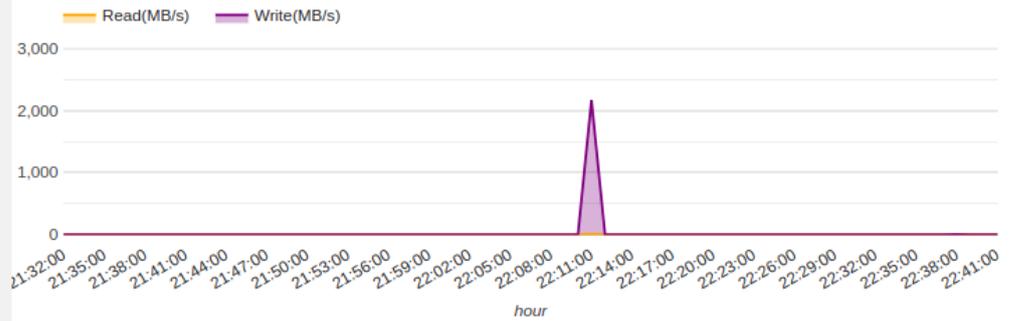
Last month

Last year

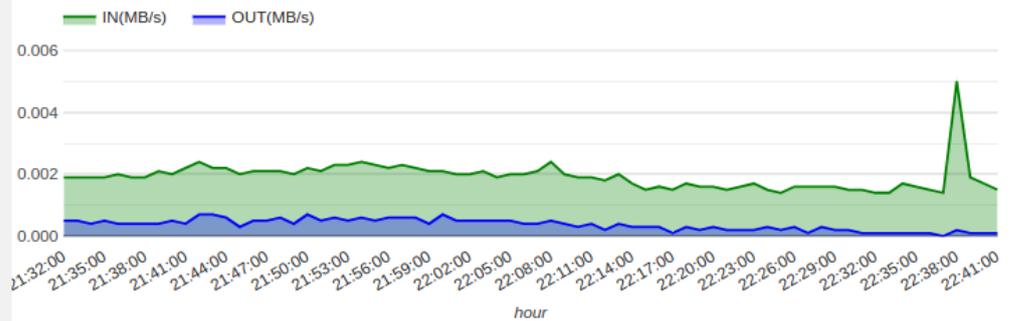
Usage charts



Disk usage



Network usage



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You are in the area of reinstalling the virtual machine. You must be aware of what you will do here. Reinstalling the virtual machine, completely remove all data on all disks of the virtual machine, all snapshots will also be deleted.

Select operating system
Ubuntu-20.04

To protect against accidental reinstallation. Please enter the word: **reinstall** In capital letters.

↺ Reinstall

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Snapshots: 3/3

Successfully

Snapshot description

📷 Take Snapshot

📷	Update2 (04-03-2023 22:58:10) Will be automatically removed after: 0 days 23:59:57	↶ Rollback	🗑️ Remove
📷	Update (04-03-2023 22:57:58) Will be automatically removed after: 0 days 23:59:45	↶ Rollback	🗑️ Remove
📷	test (04-03-2023 22:57:48) Will be automatically removed after: 0 days 23:59:35	↶ Rollback	🗑️ Remove

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Backups: 10/10

Sunday	<input checked="" type="checkbox"/>	(13:50)
Monday	<input checked="" type="checkbox"/>	(21:50)
Tuesday	<input checked="" type="checkbox"/>	(09:00)
Wednesday	<input checked="" type="checkbox"/>	(05:50)
Thursday	<input checked="" type="checkbox"/>	(10:20)
Friday	<input checked="" type="checkbox"/>	(14:10)
Saturday	<input checked="" type="checkbox"/>	(12:30)

If the schedule is configured, the system will automatically create backups and delete old backups. On this screen, you can configure the settings related to the backup schedule. Note that the settings on this screen affect which copies will be restored. If you have 3 available backups, setting a daily backup schedule will make the oldest backup you can recover from 3 days ago. If, on the other hand, you set the schedule for one day a week, then with 3 backup spaces, the oldest backup will be 3 weeks old. Take a moment to do this and think about what will be best for you.

Save Schedule

Backups notes

Backup now

i In the case of a backup restore, all snapshots of Virtual Machine will be deleted

	04-03-2023 22:19:20 qqq	Restore	Remove
	03-03-2023 14:20:06 Scheduler: 2023-03-03	Restore	Remove
	02-03-2023 10:30:06 Scheduler: 2023-03-02	Restore	Remove
	01-03-2023 06:00:06 Scheduler: 2023-03-01	Restore	Remove
	28-02-2023 09:10:06 Scheduler: 2023-02-28	Restore	Remove
	27-02-2023 22:00:06 Scheduler: 2023-02-27	Restore	Remove
	26-02-2023 14:00:07 Scheduler: 2023-02-26	Restore	Remove
	25-02-2023 12:40:06 Scheduler: 2023-02-25	Restore	Remove
	24-02-2023 14:20:06 Scheduler: 2023-02-24	Restore	Remove
	23-02-2023 10:30:07 Scheduler: 2023-02-23	Restore	Remove

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The password reset procedure will work if the packages that are responsible for the operation of cloud-init have not been removed from the virtual machine

i If the reset procedure was successful, but the password was not changed, you need to connect to the virtual machine use the noVNC console, boot in safe mode and change the password yourself

Reset password

Powered by WHMCompleteSolution

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Reverse DNS record

i Changing a DNS record does not happen instantly. For a DNS record to work properly, it takes between 1 and 8 hours for the DNS servers to synchronize the record

77.87.125.225	real-8-4909.vps.uuq.pl
2a11:ff00:0000:0000:0000:0000:0215	real-8-4909.vps.uuq.pl

Save

Powered by WHMCompleteSolution

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Mounted

CentOS-Stream-8-x86_64-20220831-boot.iso

Umount

CENTOS		
CentOS-Stream-8-x86_64-20220831-boot.iso		Mount
CentOS-7-x86_64-Minimal-2207-02.iso		Mount
DEBIAN		
FEDORA		
FREENAS		
GPARTED		
OPENSUSE		
openSUSE-Leap-15.4-NET-x86_64-Build243.2-Media.iso		Mount
PROXMOX		
proxmox-ve_7.2-1.iso		Mount
proxmox-ve_6.4-1.iso		Mount
proxmox-ve_6.3-1.iso		Mount
proxmox-ve_6.2-1.iso		Mount
proxmox-mailgateway_7.1-1.iso		Mount
proxmox-backup-server_2.2-1.iso		Mount
proxmox-backup-server_1.0-1.iso		Mount
TRUENAS		
UBUNTU		
VIRTIO		
OTHER		

Summary Profile Users Contacts Products/Services Domains Billable Items Invoices Quotes Transactions Tickets Emails Notes (0) Log

KVM 2/2/10 real IP - real-1-4843.vps.uuq.pl Go + New Addon More >>

Order # 257 - View Order

Product/Service: KVM 2/2/10 real IP

Server: proxmox-test.uuq.pl (2/200 Accounts)

Domain: real-1-4843.vps.uuq.pl

Dedicated IP: 77.87.123.208

Username: root

Password: SnikaSD33eDNA

Status: Active

Backup: 10 backups

Snapshot: 3 snapshot

Operating system: Debian-11.4

Registration Date: 00/01/2023

Quantity: 1

First Payment Amount: 1.00

Recurring Amount: 1.00 Recalculate on Save

Next Due Date: 01/04/2023

Termination Date:

Billing Cycle: Monthly

Payment Method: Bank Transfer

Promotion Code: None

Module Commands: [Create](#) [Suspend](#) [Unsuspend](#) [Terminate](#) [Change Package](#) [Start](#) [Stop](#) [**Reinstall](#) [VMSetDedicatedip ->](#) [VMClone ->](#) [**Set CPU RAM ->](#) [*Set System Disk Size ->](#) [*Set System Disk Bandwidth ->](#)

*Set Created Additional Disk -> *Set Additional Disk Size -> *Set Additional Disk Bandwidth -> *Set Network -> *Set Firewall -> **SetCloudinit **VMRemove

VM id: 2000 [Set new VM id for service](#) The virtual machine must be created and not used by another service.

Reverse DNS: real-1-4843.vps.uuq.pl

API Connection status: ✔ API answer OK

Function buttons:

Information on real time:

Reload... running (Uptime: 47 days 12:44:44) (VM local status: ready)

Status: proxmox-test

Node: proxmox-test

CPU usage: 0.47% of 2CPU(s) 99.53%

Memory usage: 88.83% (1.7726 GiB of 2 GiB) 11.37%

System disk: virtio0 : NFS:2000/vm-2000-disk-0.qcow2

System disk real limits: 10 GiB | Read/Write : 100/100 MB/s | 500/500 ops/s

System disk package limits: 10 GiB | Read/Write : 100/100 MB/s | 500/500 ops/s

Network adapter: virtio (3A:DC:1F:07:32:11)

Network adapter real: Read/Write : 12/12 MB/s | Bridge: vmbro0 | Vlan: 0

Network adapter package: Read/Write : 12/12 MB/s | Bridge: vmbro0 | Vlan: 0

Get charts hour Get charts day Get charts week Get charts month Get charts year

Usage charts:

Usage charts (CPU, RAM)

Disk usage (Read/Write MB/s)

Network usage (IN/OUT MB/s)

Addons:

Reg Date	Name	Pricing	Status	Next Due Date
No Records Found				

Revision #34

Created 5 September 2022 13:11:24 by Ruslan

Updated 11 June 2024 09:34:07 by Yuliia Noha