

Admin Area

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Product Home Screen

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The main screen of the product contains the following items.

- Module Command buttons of the module for managing the service and the virtual machine
- Section with the id of the virtual machine and a button for setting a new ID
- Connection API status to PROXMOX server
- Button to connect to the noVNC server console
- The section in which in real time with an update of 1 time for 5 seconds the parameters and stars of the virtual machine are shown
- Section with graphs with virtual machine statistics

Client Profile

Ruslan Poloviy (TEST sp. z o. o.) - #1 | Company with VAT ID (PL) | Home company: DE-PUQ sp. z o.o. (DE) | TAX: Rule #1 (DE-VAT: 0%) | VIES Status: Valid (2023-07-07 11:57:18) | Exempt from tax: YES

Fraudrecord: 0-0-0.0 | Fraud IP: 100% | Fraud Email: NO | Check Now (2023-07-07 11:57:19) | View All Data | Send Report

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

KVM 10GB - real-1-4809.vps.uuq.pl | Go | + New Addon | More

Order #	283 - View Order	Registration Date	2023/03/22
Product/Service	KVM 10GB	Quantity	1
Server	proxmox-test.uuq.pl-public (04/200 Accou	First Payment Amount	1.00
Hostname	real-1-4809.vps.uuq.pl	Recurring Amount	1.00 <input type="checkbox"/> Recalculate on Save <input type="checkbox"/> No
Dedicated IP	77.87.125.224	Next Due Date	2024/04/20
Username	root	Termination Date	
Password	KPZjK8HGx	Billing Cycle	Monthly
Status	Active	Payment Method	Bank Transfer
		Promotion Code	None

Assigned IPs	2a11:f00:0000:0000:0000:0000:0202 2a11:f00:0000:0000:0000:0000:0203 2a11:f00:0000:0000:0000:0000:0204 2a11:f00:0000:0000:0000:0000:0205
Nameserver 1	
Nameserver 2	
Backup	10 backups
Snapshot	3 snapshot
Operating system	Debian-12
IPv4	1 IPv4
IPv6	10 IPv6
Processor	1 Core
Memory	1 GB

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	2004	Set new VM id for service	The virtual machine must be created and not used by another service.
	77.87.125.224	real-1-4809.vps.uuq.pl1	
	2a11:f00:0000:0000:0000:0000:0202	real-1-4809.vps.uuq.pl2	
	2a11:f00:0000:0000:0000:0000:0203	real-1-4809.vps.uuq.pl3	
	2a11:f00:0000:0000:0000:0000:0204	real-1-4809.vps.uuq.pl4	
	2a11:f00:0000:0000:0000:0000:0205	real-1-4809.vps.uuq.pl5	
Reverse DNS	2a11:f00:0000:0000:0000:0000:0206	real-1-4809.vps.uuq.pl6	
	2a11:f00:0000:0000:0000:0000:0207	real-1-4809.vps.uuq.pl7	
	2a11:f00:0000:0000:0000:0000:0208	real-1-4809.vps.uuq.pl8	
	2a11:f00:0000:0000:0000:0000:0209	real-1-4809.vps.uuq.pl9	
	2a11:f00:0000:0000:0000:0000:020a	real-1-4809.vps.uuq.pl10	
	2a11:f00:0000:0000:0000:0000:020b	real-1-4809.vps.uuq.pl11	

API Connection status: ✔ API answer OK



Info	Retired...	running (Uptime: 2 days 12:03:13) (VM local status: ready)
Status		proxmox-test
Node		0.72% of 2CPU(s)
CPU usage		99.23%
Memory usage		21.7% (0.434 GiB of 2 GiB) 78.3%
System disk		virtio0 : local-lvm:vm-2004-disk-0
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 (26:D4:C4:00:8C:88)
Network adapter real		Read/Write : 12/12 MB/s Bridge: vmbro Vlan: 0
Network adapter package		Read/Write : 12/12 MB/s Bridge: vmbro Vlan: 0

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



Module Command buttons

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Status concepts.

Remote status

The status of the virtual machine as returned by the **PROXMOX** server.

May be: **running/stopped**

VM remote lock

May be: **clone/backup**

Local status

The status is internal, to control and select automation actions using the module.

The local state can take the following values:

- **creation** - the first status issued at the time of service creation. Indicates that the virtual machine creation process should start
- **reinstall** - status if the reinstallation process is running and the virtual machine is in the reinstallation queue
- **clone** - the process of cloning a virtual machine from a template
- **set_cpu_ram** - the process of configuring the number of processor cores and RAM memory was successful
- **set_system_disk_size** - the process of creating the size of the system disk has completed successfully
- **set_system_disk_bandwidth** - the process of configuring system disk bandwidth limits was successful
- **set_created_additional_disk** - the process of creating an additional disk is successful. Also if the additional disk is not present in the package configuration
- **set_additional_disk_size** - the process of creating the size of the additional disk has completed successfully. Also if the additional disk is not present in the package configuration
- **set_additional_disk_bandwidth** - the process of configuring additional disk bandwidth limits was successful. Also if the additional disk is not present in the package configuration

- **set_network** - network card configuration (vlan, bridge) completed successfully
- **set_firewall** - firewall rules added successfully
- **set_cloudinit** - cloud init configuration successful
- **ready** - the status characterizes that the virtual machine was created correctly and is ready to work
- **set_dns_records** - means that the next time the crontab is executed, DNS records will be synchronized
- **change_package** - means that the next time you run crontab, the settings of the virtual machine will be changed, such as (disk, ram, processor, IP)

Standard Module Command buttons



Create

This function runs when a new product is provisioned. This can be initiated by WHMCS upon checkout or Client making payment for a new order. Also, it can be initiated by an admin user from the Products/Services tab in a client's profile of the admin area.

General algorithm of action:

1. An available IP address is selected from the list in the server settings.
2. The available virtual machine ID is selected in such a way that it is unique in the WHMCS system and Proxmox server
3. The fields with the domain name and the name of the virtual machine are generated and filled. The procedure uses the data supplied in the virtual machine package.
4. Start the process of cloning a virtual machine from the desired virtual machine template.

All other functions for creating a virtual machine will be implemented by a cron task

Terminated service IP addresses are also taken into account and can be assigned to a new service.

Suspend

This function runs when a suspension is requested. It can be requested automatically by the WHMCS Cron when a product becomes overdue, or by admin user in the Client Profile.

Makes the virtual machine stop if the virtual machine is powered on.

Unsuspend

This function runs when an unsuspension is requested. It can be requested upon payment of an overdue invoice for a product.

Makes the virtual machine start if the virtual machine is powered off.

Terminate

This function runs when a termination is requested. It can be automatically requested by the WHMCS Cron for long overdue products when enabled (Automation Settings). It can be also requested by an admin user in the Client Profile.

General algorithm of action:

1. Deletes all backups and snapshots of the virtual machine.
2. Makes the machine virtual stop if the virtual machine is powered on.
3. Then it deletes the virtual machine.
4. Adds information with the date and IP address to the admin notes on the client service.
5. Returns the machine's used IP address back to the pool of free useable IP addresses.
6. Cleans up data.

Change Package

This function runs during procedure of upgrading or downgrading products. This function runs when an upgrade or downgrade order, placed by the client, becomes paid. Admins can also invoke this from the product management pages. The same function runs for upgrades and downgrades of both products and configurable options.

General algorithm of action:

1. Makes the virtual machine stop if the virtual machine is powered on.
2. Changes the parameters of the virtual machine to the parameters specified in the package.

3. Makes the start of the virtual machine.

Additional Module Command buttons



All possible actions available to be performed in the admin panel have short symbols that will help you understand the consequences of the action.

* - It is possible to run a function with which will do actions on the virtual machine in the **running** state.

** - It is possible to run only if the virtual machine is in the **stopped** state

-> - means that this function participates in the automatic creation of the virtual machine and points to the next function that must be run to correctly complete the creation of the virtual machine.

Start

Starts the virtual machine if the virtual machine is in the **stopped** state and the local state is **ready**

Stop

Stops the virtual machine if it is in the **running** state

Reinstall

Starts the process of reinstalling the virtual machine

VMSetDedicatedIp

An available IP address is selected from the list in the server settings. Terminated service IP addresses are also taken into account and can be assigned to a new service.

VMClone

Starts the process of cloning a virtual machine from the desired virtual machine template.

**Set CPU RAM

Forces configuration of the processor and memory settings of the virtual machine relative to the package configuration.

***Set System Disk Size**

Forces the size of the system disk according to the parameters in the package

***Set System Disk Bandwidth**

Forces system disk bandwidth settings according to packet settings.

***Set Created Additional Disk**

Creates an additional virtual machine disk if configured accordingly in the package

***Set Additional Disk Size**

Forces the size of the additional disk relative to the parameters in the package, if needed

***Set Additional Disk Bandwidth**

Forces additional disk bandwidth settings relative to packet settings, if needed

***Set Network**

Forces configuration of network card parameters such as bridge VLAN and bandwidth relative to the parameters in the packet

***Set Firewall**

Adds rules to the firewall. DOES NOT REMOVE OLD.

****SetCloudinit**

Forces *cloud-init* device settings to be configured relative to the settings in the package.

****VMRemove**

Delete the virtual machine. Leaves backups and does not delete unused disks.

Set DNS records

DNS records will be synchronized immediately and before completion. May be busy for a long time.

Product Configuration

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Add new product to WHMCS

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the **"PUQ ProxmoxKVM"** module

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

Module Name: PUQ Proxmox KVM
Server Group: PROXMOX

License key

License key: NBH2UL-XXXXXXXXXX-XGRELF
success: 2022-09-18T08:56:18+02:00

Type of virtual machine creation: Full Clone
Full Clone - many times more time for deployment.
Linked clone VM requires less disk space but cannot run without access to the base VM Template

Type of virtual machine creation

Full Clone - many times more time for deployment.
Linked clone VM requires less disk space but cannot run without access to the base VM Template

VM configuration: VM name prefix, First vm id, Snapshot lifetime

Network model: virtio
Automatic selection bridge/vlan: address from the list

Bandwidth: 12 MB/s
DHCP IPv4:
Firewall:

A pre-purchased license key for the "PUQ ProxmoxKVM" module. For the module to work correctly, the key must be active

License key

Type of virtual machine creation

How will the virtual machine will be cloned from the template

Full Clone - much more times for deployment.

Linked clone VM - faster deployment, requires less disk space but cannot run without access to the base VM Template

Target node

The node in the cluster on which the virtual machine should be created. If you select the automatic option or the node was unavailable at the time the virtual machine was created, the module will actually select the node with the most real free RAM (not a percentage, but the most free RAM numerically).

If a specific node is selected manually, the module does not check the available RAM in any way.

Target node 

Default OS template

Sets the default operating system template. In cases where the template chosen by the client is not available, or if the options with the choice of the operating system are not configured, this template will be used.

Default OS template 

Backups storage

Data store for backups of virtual machines

If you are using a cluster, then you need to have this data store on a network protocol, such as NFS.

Backups storage 

ISO's storage

Data store for ISO images

If you are using a cluster, then you need to have this data store on a network protocol, such as NFS.

ISOs storage

 

VM configuration

Basic configuration settings for the virtual machine

VM configuration

Virtual machine configuration	
CPU:	<input type="text" value="4"/>
RAM:	<input type="text" value="4"/> GB
OS username:	<input type="text" value="root"/> If not filled it will be random.
VM name prefix:	<input type="text" value="vps"/> The wm name prefix will be added to the virtual machine name. VM name: <prefix>-<client_id>-<service_id>
First vm id:	<input type="text" value="300"/> ID from which to start searching for a free id for a new virtual machine
Snapshot lifetime:	<input type="text" value="1 day"/>  After how many days will snapshots be removed automatically

CPU - number of CPU cores for a new machine

RAM - amount of RAM for a new machine

OS username - The user that will be configured in the virtual machine settings will be transferred to the client and will appear in the password change

Depending on cloud-init settings in the template. If there is a root user in the template and you also enter root in the service configuration in WHMCS, a password for the root user will

be generated when creating the VM. If you enter another user name in this window (but the template does not contain one), it will be created when the machine is created and the password will be sent to the client.

VM name prefix: The VM name prefix will be added to the virtual machine name.

VM name: <prefix>-<client_id>-<service_id>

First vm id: ID from which to start searching for a free id for a new virtual machine

Snapshot lifetime: After how many days will snapshots be removed automatically

System disk

The system disk is determined by the one that is assigned to the first boot in the virtual machine or template.

System disk options. The system drive is the drive on which the system is installed. Limitations are possible both in terms of bandwidth in megabytes per second, as well as restrictions on the number of I/O operations.

Please note that the size of the system disk must be greater than or equal to the size of the system disk in the template.

The system disk of the virtual machine. The one from which the machine boots.

System disk	Disk space:	<input type="text" value="20"/>	GB
	Read:	<input type="text" value="100"/>	MB/s
	Write:	<input type="text" value="100"/>	MB/s
	Read:	<input type="text" value="500"/>	ops/s
	Write:	<input type="text" value="500"/>	ops/s

0 - means that the parameter will not be changed during the creation of the virtual machine.

Additional disk

The additional drive is the second drive in the virtual machine or template that is not assigned to the first boot option.

If an additional disk is not created in the virtual machine template, it will be created automatically on the same storage as the system disk. If you need an additional disk on a different storage than the system disk, it must be then created in the virtual machine template on the required storage.

Additional disk options. Limitations are possible both in terms of bandwidth in megabytes per second, as well as restrictions on the number of I/O operations.

If the disk is not in the template, or at the moment of changing the package, the disk will be automatically created with the interface of the system disk.

Additional disk

Disk space:	<input type="text" value="50"/>	GB
Read:	<input type="text" value="100"/>	MB/s
Write:	<input type="text" value="100"/>	MB/s
Read:	<input type="text" value="100"/>	ops/s
Write:	<input type="text" value="100"/>	ops/s

0 - means that the parameter will not be changed during the creation of the virtual machine.

Network configuration

The section in which you must specify the parameters of the network virtual machine map.

Network configuration

Network model:	As in template	▼
Automatic selection bridge/vlan:	<input checked="" type="checkbox"/> Automatically selects a free IP address from the list in the server configuration or IP pools	
Network bridge:	vmbr0	▼
	Ignored on automatic selection	
Vlan:	25	
	Ignored on automatic selection	
Bandwidth:	10	MB/s
DHCP IPv4:	<input type="checkbox"/>	
DHCP IPv6:	<input type="checkbox"/>	
Firewall:	<input type="checkbox"/>	
Anti spoofing rules:	<input type="checkbox"/>	
	Will not be in case of DHCP	

0 - means that the parameter will not be changed during the creation of the virtual machine.

Network model - The network card model of the virtual machine

Automatic selection bridge/VLAN -When creating a virtual machine, the IP address will be selected automatically from the list of available IP addresses from the PROXMOX server parameter or IP Pools added in the WHMCS system. Regarding the selected IP address, the network card, bridge and vlan will be configured.

Network bridge, VLAN - If you do not use the Automatic selection, bridge/VLAN. You need to select bridge and VLAN. The IP address will be selected from the list of IP addresses available in this bridge and VLAN in the PROXMOX server address list settings in the WHMCS system.

DHCP IPv4 - Whether to use a DHCP server. The IP address will not be selected from the list in the PROXMOX server in the WHMCS system. In this case, firewall rules won't be applied as we don't know IP address.

DHCP IPv6 - Whether to use a DHCP server. The IP address will not be selected from the list in the PROXMOX server in the WHMCS system. In this case, firewall rules won't be applied as we don't know IP address.

Firewall - Enable firewall on the network card of the virtual machine. *Only works when DHCP is not used.*

Anti spoofing rules - *This option only works if you are not using a DHCP server.* It adds allowing rules for incoming and outgoing traffic with the IP address of the virtual machine.

For the correct operation of the firewall rules to avoid spoofing the IP address of the virtual machine, it is necessary to configure the firewall on the PROXMOX server, the firewall policy DENY/DENY.

In order to manage pools of IPv4 and IPv6 IP addresses, you need to install the PUQ Customization addon module (free)

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

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

<https://puqcloud.com/whmcs-addon-puq-customization.php>

Integrations configuration

This section contains settings that are responsible for integrating the module with other systems.

Integrations configuration	noVNC WEB proxy server:	<input type="text" value="vncproxy.puqcloud.com"/>
	noVNC WEB proxy key:	<input type="text" value="puqcloud"/> [a-z,A-Z]
	Main domain:	<input type="text" value="vps.uuq.pl"/> Enter in the format .example.com Needed to create a domain name for a virtual machine Result: <prefix>-<client_id>-<service_id>.example.com
	Revdns ticket:	<input checked="" type="checkbox"/> Creates a ticket in the system if the client has requested revDNS record change
	RevDNS ticket department:	<input type="text" value="General Enquiries"/> ▼

noVNC WEB proxy server, noVNC WEB proxy key - VNCPROXY server settings.

VNCPROXY and noVNC are used to enable the client to connect to the virtual machine console (Keyboard, Video, Mouse).

How to set up a VNCPROXY server is described in <https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/install-vncproxy-and-novnc>

For your comfort we provide our public VNCPROXY server with noVNC client. You can use it freely, but we strongly recommend creating your own VNCPROXY server with noVNC client

noVNC WEB proxy server: **vncproxy.puqcloud.com**

noVNC WEB proxy key: **puqcloud**

Main domain - The domain that you use to present the virtual machine. In the WHMCS system, the domain column on the client's product will be filled in the format <prefix>-<client_id>-<service_id>.<Main domain>. Also, this parameter will be specified as "search" in the virtual machine in the /etc/resolv.conf file.

Revdns ticket/RevDNS ticket department - In case you haven't created a reverse DNS zone record integration. The module can create a ticket when the client changes the reverse zone entry in the settings. You will have to manually process the request.

How you can integrate DNS zone records with your DNS server is described here:

<https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/synchronization-of-dns-records>

Email configuration

In this section, you need to select email templates that will be used by the module to communicate with the client.

Email configuration	VM is ready:	<input type="text" value="puqProxmoxKVM VM is ready"/> ▼
	Reset password:	<input type="text" value="puqProxmoxKVM Reset password"/> ▼
	Backup restored:	<input type="text" value="puqProxmoxKVM Backup restored"/> ▼

VM is ready - This email will be sent each time a virtual machine is created. In case of creation and in case of reinstallation. In this email, the client will receive a login and password to access

the virtual machine system.

Reset password - This email will be sent to the client every time the client uses the password reset function, the client will receive a login and password to access the virtual machine system.

Backup restored - This email will be sent to the client every time the client uses the restore virtual machine from backup function.

Sample templates are available here:

<https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/email-template-puqproxmoxkvm-vm-is-ready>

<https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/email-template-puqproxmoxkvm-reset-password>

<https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/email-template-puqproxmoxkvm-backup-restored>

Additionally:

<https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/email-template-puqproxmoxvkm-welcome-email>

<https://doc.puq.info/books/proxmoxkvm-whmcs-module/page/email-template-puqproxmoxkvm-upgrade-email>

Client configuration

In this section, you can configure the client's access rights to manage its virtual machine.

The permissions that will be active in the client area

Client configuration

- Allow start:
- Allow stop:
- Allow noVLC console:
- Allow charts:
- Allow reinstall:
- Allow reset password:
- Allow revdns configure:
- Allow ISO mount:

Configurable Option (Operating system selection)

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In order for the client to have a choice of operating system in the configuration of the virtual machine. You need to configure the Configurable Option and connect them to the package.

Create Group

Add new Configurable Option to WHMCS

System Settings->Configurable Option->Create a New Group

Configuration

- [General Settings](#)
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- [Sign-In Integrations](#)
- [Automation Settings](#)
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Configurable Option Groups

Configurable options allow you to offer addons and customisation options with your products.

[+ Create a New Group](#) [+ Duplicate a Group](#)

Group Name
KVM-2/2/10
KVM-4/4/20
Operating system
VPS-WAW-WIN

Enter the group name, description, and select the products you need.

Group Name: Operating system

Configurable Option Groups

Create a New Group

Group Name	Operating system
Description	
Assigned Products	<ul style="list-style-type: none">VPN Warszawa - VPN Warszawa 10M/10M/10GBVPN Warszawa - VPN Warszawa 20M/20M/20GBMinIO - MinIOS3 10 GBNextcloud - Nextcloud 10 GBSynology - Synology 10 GBproxmox - KVM 4/4/20proxmox - KVM 2/2/10proxmox - KVM 2/2/10 real IP

Save Changes

Back to Groups List

Add Configurable Option

After saving, create a new Configurable Option

Configurable Option Groups

Manage Group

Group Name	Operating system
Description	
Assigned Products	<ul style="list-style-type: none">WHMCS Module Header - WHMCS Module Header (1 year)WHMCS Module MinIO S3 - WHMCS Module MinIO S3 (1 month)WHMCS Module MinIO S3 - WHMCS Module MinIO S3 (1 year)VPN Warszawa - VPN Warszawa 10M/10M/10GBVPN Warszawa - VPN Warszawa 20M/20M/20GBMinIO - MinIOS3 10 GBNextcloud - Nextcloud 10 GBSynology - Synology 10 GBproxmox - KVM 4/4/20

Configurable Options

Add New Configurable Option

Option

Sort Order

Hidden

No Records Found

Save Changes

Back to Groups List

Price definitions

In this part of the settings, we define individual price lists for selected individual options.

We use the WHMCS standard and add the sign "|" to describe the individual options. The convention presented in our guide must be followed on the left side of the sign. To the right of the sign "|" we give the name that will be displayed in the views for the user (admin, client)

It is very important to enter the names of the options precisely, because they are also used to define the settings and any mistakes or typos will prevent the correct operation of the entire ordering process and starting the virtual machine.

Option name

Option Name: **OS|Operating system**

You can replace the name "**Operating system**" with your own, ie: My offered system.

It is important that the option name be started with the prefix "OS |"

Options

The Options format is this: **template_id|name of system** separated by "|"

You can replace the name "name of system" with your own, ie: Debian, Nextcloud, my system x etc.

template_id is the number of a specific template machine uploaded to proxmox and recreated as template.

It is important that the options be started with the prefix "template_id |"

Please look at this example - as options we have defined: *1010|Debian-10.12.*

Configurable Option (Backups/Snapshots/CPU/RAM

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In order for the client to have a choice of Backups/Snapshotsin/CPU/RAM/IPv4/IPv6 the configuration of the virtual machine. You need to configure the Configurable Option and connect them to the package.

List of available options

It is important that the option name be started with the prefix "prefix|name" The prefix is required for the module to define the option. Name can be changed at will

Demo Services - VPS 10 GB

Configurable Options

Add New Configurable Option

Option	Sort Order	Hidden	
CPU Processor	<input type="text" value="1"/>	<input type="checkbox"/>	 
RAM Memory	<input type="text" value="2"/>	<input type="checkbox"/>	 
ipv4 IPv4	<input type="text" value="3"/>	<input type="checkbox"/>	 
ipv6 IPv6	<input type="text" value="4"/>	<input type="checkbox"/>	 
B Backups	<input type="text" value="5"/>	<input type="checkbox"/>	 
S Snapshot	<input type="text" value="6"/>	<input type="checkbox"/>	 
OS Operating system	<input type="text" value="7"/>	<input type="checkbox"/>	 

Option Name: OS|Operating system -> **Options:** <template_id>|Name

Configurable Options

Option Name: Option Type:

Options			One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
<input type="text" value="1010 Debian-10.12"/>	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="1010"/>	<input type="checkbox"/>					
		Pricing	<input type="text" value="0.00"/>							
<input type="text" value="1011 Debian-11.4"/>	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="1011"/>	<input type="checkbox"/>					
<input type="text" value="⊖"/>		Pricing	<input type="text" value="0.00"/>							
<input type="text" value="1012 Debian-12"/>	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="1012"/>	<input type="checkbox"/>					
<input type="text" value="⊖"/>		Pricing	<input type="text" value="0.00"/>							
<input type="text" value="1020 Ubuntu-18.04"/>	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="1020"/>	<input type="checkbox"/>					
<input type="text" value="⊖"/>		Pricing	<input type="text" value="0.00"/>							
<input type="text" value="1021 Ubuntu-20.04"/>	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="1021"/>	<input type="checkbox"/>					

Option Group

Add new Configurable Option to WHMCS

System Settings->Configurable Option->Create a New Group

Configuration

- [General Settings](#)
- [Apps & Integrations](#)
- [Sign-In Integrations](#)
- [Automation Settings](#)
- [MarketConnect](#)
- [Notifications](#)
- [Storage Settings](#)
- [Application Links](#)
- [OpenID Connect](#)
- [Email Templates](#)
- [Addon Modules](#)
- [Client Groups](#)
- [Custom Client Fields](#)
- [Fraud Protection](#)

Staff Management

- [Administrator Users](#)
- [Administrator Roles](#)
- [Two-Factor Authentication](#)
- [Manage API Credentials](#)

Payments

- [Currencies](#)
- [Payment Gateways](#)
- [Tax Configuration](#)
- [Promotions](#)

Products/Services

- [Products/Services](#)
- [Configurable Options](#)
- [Product Addons](#)
- [Product Bundles](#)
- [Domain Pricing](#)
- [Domain Registrars](#)

Configurable Option Groups

Configurable options allow you to offer addons and customisation options with your products.

[+ Create a New Group](#) [+ Duplicate a Group](#)

Group Name
KVM-2/2/10
KVM-4/4/20
Operating system
VPS-WAW-WIN

Enter the group name, description, and select the products you need.

Group Name: Backups/Snapshots

After saving, create a new Configurable Option

Manage Group

Group Name	Backups/Snapshots
Description	
Assigned Products	<ul style="list-style-type: none">WHMCS Module Reseller - WHMCS Module Reseller (1 year)WHMCS Module MiniIO S3 - WHMCS Module MiniIO S3 (1 month)WHMCS Module MiniIO S3 - WHMCS Module MiniIO S3 (1 year)VPN Warszawa - VPN Warszawa 10M/10M/10GBVPN Warszawa - VPN Warszawa 20M/20M/20GBMinIO - MiniOS3 10 GBNextcloud - Nextcloud 10 GBSynology - Synology 10 GBproxmox - KVM 4/4/20

Configurable Options

Add New Configurable Option

Option	Sort Order	Hidden
--------	------------	--------

No Records Found

Save Changes

Back to Groups List

Price definitions

In this part of the settings, we define individual price lists for selected individual options.

We use the WHMCS standard and add the sign "|" to describe the individual options. The convention presented in our guide must be followed on the left side of the sign. To the right of the sign "|" we give the name that will be displayed in the views for the user (admin, client)

It is very important to enter the names of the options precisely, because they are also used to define the settings and any mistakes or typos will prevent the correct operation of the entire ordering process and starting the virtual machine.

Backup definitions

Add an option with a choice of the number of backups

Option name

Option Name: **B|Backup**

You can replace the name "**Backup**" with your own, ie: Sicherung, My backup offer etc..

It is important that the option name be started with the prefix "B|"

Options

The Options format is this: **number_of_backups|name** separated by |

You can replace the name "name" with your own.

It is important that the options be started with the prefix "x |" where "x" represent number of allowed backup

Configurable Options

Option Name: Option Type:

Options		One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
<input type="text" value="0 no backup"/>	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"/>	<input type="checkbox"/>
		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"/>		
	PLN	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"/>		
		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="1 1 backup"/> 	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"/>	<input type="checkbox"/>
		Pricing	<input type="text" value="2.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>		
	PLN	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"/>		
		Pricing	<input type="text" value="2.00"/>	<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="2 2 backups"/> 	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"/>	<input type="checkbox"/>
		Pricing	<input type="text" value="5.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>		
	PLN	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"/>		
		Pricing	<input type="text" value="5.00"/>	<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="3 3 backups"/> 	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"/>	<input type="checkbox"/>
		Pricing	<input type="text" value="15.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>		
	PLN	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"/>		
		Pricing	<input type="text" value="15.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>		

Snapshot definitions

Add an option with a choice of the number of snapshots

Option name

Option Name: **S|Snapshot**

You can replace the name "**Snapshot**" with your own, ie: Fast Snapshots, personal Snapshot etc.

It is important that the option name be started with the prefix "**S|**"

Options

The Options format is this: **number_of_snapshot|name** separated by |

You can replace the name "name" with your own.

It is important that the options be started with the prefix "x |" where "x" represent number of allowed snapshots

Configurable Options

Option Name: Option Type:

Options			One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
<input type="text" value="0 no snapshots"/>	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="checkbox"/>					
		Pricing	<input type="text" value="0.00"/>							
	PLN	Setup	<input type="text" value="0.00"/>							
		Pricing	<input type="text" value="0.00"/>							
<input type="text" value="1 1 snapshot"/> 	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="checkbox"/>					
		Pricing	<input type="text" value="0.50"/>	<input type="text" value="0.00"/>						
	PLN	Setup	<input type="text" value="0.00"/>							
		Pricing	<input type="text" value="0.50"/>	<input type="text" value="0.00"/>						
<input type="text" value="2 2 snapshot"/> 	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="checkbox"/>					
		Pricing	<input type="text" value="1.00"/>	<input type="text" value="0.00"/>						
	PLN	Setup	<input type="text" value="0.00"/>							
		Pricing	<input type="text" value="1.00"/>	<input type="text" value="0.00"/>						
<input type="text" value="3 3 snapshot"/> 	EUR	Setup	<input type="text" value="0.00"/>	<input type="text" value="0"/>	<input type="checkbox"/>					
		Pricing	<input type="text" value="1.50"/>	<input type="text" value="0.00"/>						

IPv4/IPv6 Pools

[Order now](#) | [Download](#) | [FAQ](#)

Starting with version 1.3, the module started supporting IPv4/IPv6 pools.

In order to manage pools of IPv4 and IPv6 IP addresses, you need to install the PUQ Customization addon module (free)

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

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

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

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

The screenshot displays the WHMCS interface. The top navigation bar includes 'Clients', 'Orders', 'Billing', 'Support', 'Reports', 'Utilities', and 'Addons'. The main content area shows the 'Module puqProxmoxKVM' management page, which lists the extension details: Version 1.0, Author Ruslan Polovyl, and Requires License FREE. Below this, there are 'Activate' and 'Deactivate' buttons. The 'IP Pools' section is also visible, featuring an 'Add new IP Pool' button and a table of existing pools.

ID	Server	Type	Bridge	Vlan	Gateway	Mask	DNS	Addresses	Count	
#6	19 - proxmox-test.uuq.pl-private	ipv4	vbr0	111	192.168.0.1	24	8.8.8.8 1.1.1.1	192.168.255.255 192.169.1.1	(0%) 0/259	Services List
#7	19 - proxmox-test.uuq.pl-private	ipv6	vbr0	111	2001:db8::1	112	2001:db8::1 2001:db8::1	2001:db8::ffff 2001:db8::1:ffff	(0%) 0/65539	Services List
#8	7 - proxmox-test.uuq.pl-public	ipv4	vbr0	0	77.87.125.129	25	77.87.125.10 77.87.125.20	77.87.125.221 77.87.125.239	(26.32%) 5/19	Services List
#9	7 - proxmox-test.uuq.pl-public	ipv6	vbr0	0	2a11:ff00::201	120	2a11:ff00::a 2a11:ff00::14	2a11:ff00::202 2a11:ff00::2ff	(27.56%) 70/254	Services List

Add IP Pool

Server: 7 - proxmox-test.uuq.pl-public

Type: IPv4

Bridge: vmbr0 Interface Bridge on the server where addressing is available. Format: vmbrX

Vlan: 0 Vlan on the server where addressing is available. 0 - untagged

Gateway:

Mask: 1 IPv4: 1-32, IPv6: 1-128

DNS1:

DNS2:

Addresses: IPv4: 10.0.0.1-10.0.255.255
IPv6: 2001:0DB8:0000:0000:0000:0000:0001-2001:0DB8:0000:0000:FFFF:FFFF:FFFF

Add IP Pool

- Home
- Module puqProxmoxKVM
- IP Pools
- Account Statement
- Auto CC Management
- Blocking ticket for guests
- Cancel Fund Invoices
- Client Data Archive
- Client Grouping Rules
- Clients Only Access
- Credit Management
- Disabler of standard elements
- Fraud Check
- GDPR Tools

IP Pool services list

IP Pool info

ID	Server	Type	Bridge	Vlan	Gateway	Mask	DNS	Addresses	Count
#8	7 - proxmox-test.uuq.pl-public	ipv4	vmbr0	0	77.87.125.129	25	77.87.125.10 77.87.125.20	77.87.125.221 77.87.125.239	(26.32%) 5/19

Services list

ID	Client	Name	Status	Domain	IPs
#4865	Dmytro Kravchenko	KVM 10GB	Active	real-2-4865.vps.uuq.pl	77.87.125.221
#4867	Julia Noga	KVM 10GB	Cancelled	real-7-4867.vps.uuq.pl	77.87.125.223
#4869	Ruslan Polovyil (TEST sp. z o. o.)	KVM 10GB	Active	real-1-4869.vps.uuq.pl	77.87.125.224
#4893	Dmytro Kravchenko	KVM 10GB	Active	real-2-4893.vps.uuq.pl	77.87.125.222
#4909	Itkeeper Test (Itkeeper sp. z o. o.)	KVM 10GB	Active	real-8-4909.vps.uuq.pl	77.87.125.225

Edit IP Pool

Server: 7 - proxmox-test.uuq.pl-public

Type: IPv6

Bridge: vmbr0 Interface Bridge on the server where addressing is available. Format: vmbrX

Vlan: 0 Vlan on the server where addressing is available. 0 - untagged

Gateway: 2a11:ff00::201

Mask: 120 IPv4: 1-32, IPv6: 1-128

DNS1: 2a11:ff00::a

DNS2: 2a11:ff00::14

Addresses: 2a11:ff00::202-2a11:ff00::2ff
IPv4: 10.0.0.1-10.0.255.255
IPv6: 2001:0DB8:0000:0000:0000:0000:0001-2001:0DB8:0000:0000:FFFF:FFFF:FFFF

Edit IP Pool

Delete IP Pool

- Home
- Module puqProxmoxKVM -
- IP Pools
- DNS Zones
- Account Statement +
- Admin Panel Unique +
- Auto CC Management +
- Blocking ticket for guests+
- Cancel Fund Invoices +
- Client Data Archive +
- Client Grouping Rules +
- Clients Only Access +
- Credit Management +
- Disabler of standard elements +
- Fraud Check +
- GDPR Tools +
- Head/Footer Output +
- Maintenance Mode +
- Menu Manager +
- Overwrite Suspend/Termination +

 **Successfully!**
Connection successfully

DNS Zones

Module puqProxmoxKVM 

Edit Zone (hestiacp)

Zone	<input type="text" value="polovyl.com"/> Forward zone: example.com Reverse zone IPv4: 100.51.198.in-addr.arpa (IPv4 prefix: 198.51.100.0/24) Reverse zone IPv6: d.c.b.a.d.c.b.a.d.c.b.a.8.b.d.0.1.0.0.2.ip6.arpa (IPv6 prefix: 2001:0db8:abcd:abcd:abcd:abcd:0000/112)
Hestiacp server	<input type="text" value="https://hestiacp-test.uuq.pl:8083"/> Hestiacp server: https://example.com:8083/
Hestiacp admin user	<input type="text" value="admin"/> Server administrator username
Hestiacp admin password	<input type="password" value="2sCAfnb..."/> Server administrator user password
User	<input type="text" value="proxmox-dns"/> The user who will be the holders of the DNS zones

- Home
- Module puqProxmoxKVM -
- IP Pools
- DNS Zones
- Account Statement +
- Admin Panel Unique +
- Auto CC Management +
- Blocking ticket for guests+
- Cancel Fund Invoices +
- Client Data Archive +
- Client Grouping Rules +
- Clients Only Access +
- Credit Management +
- Disabler of standard elements +
- Fraud Check +
- GDPR Tools +

 **Successfully!**
Connection successfully

DNS Zones

Module puqProxmoxKVM 

Edit Zone (cloudflare.com)

Zone	<input type="text" value="polovyl.com"/> Forward zone: example.com Reverse zone IPv4: 100.51.198.in-addr.arpa (IPv4 prefix: 198.51.100.0/24) Reverse zone IPv6: d.c.b.a.d.c.b.a.d.c.b.a.8.b.d.0.1.0.0.2.ip6.arpa (IPv6 prefix: 2001:0db8:abcd:abcd:abcd:abcd:0000/112)
Cloudflare Zone ID	<input type="text" value="610488689b81..."/>
Cloudflare Account ID	<input type="text" value="63f3d02dab0ac..."/>
Cloudflare API Token	<input type="text" value="okxTLA-BE..."/>