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Settings

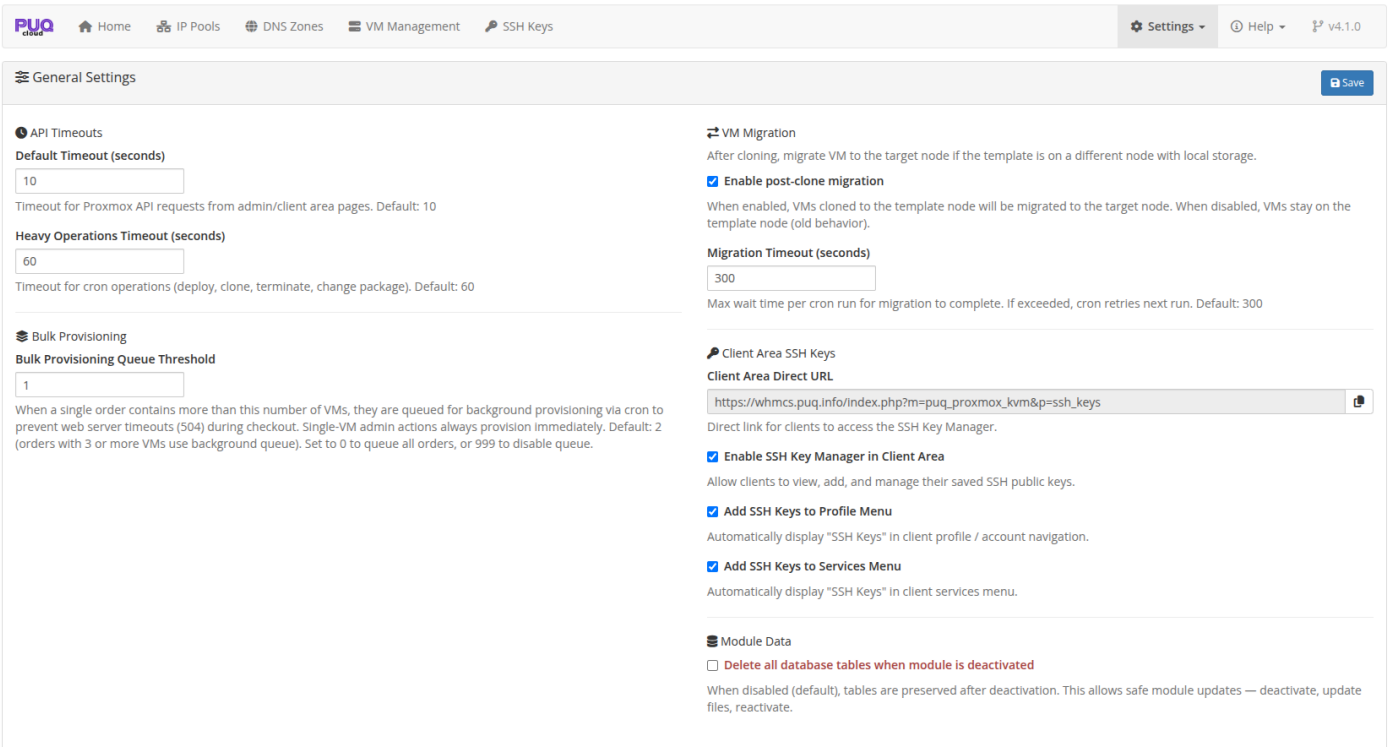
Proxmox KVM module **WHMCS**

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The Settings section is divided into two pages: **General** and **Cron**.

General Settings

Navigate to **Addons > PUQ Proxmox KVM > Settings > General**.



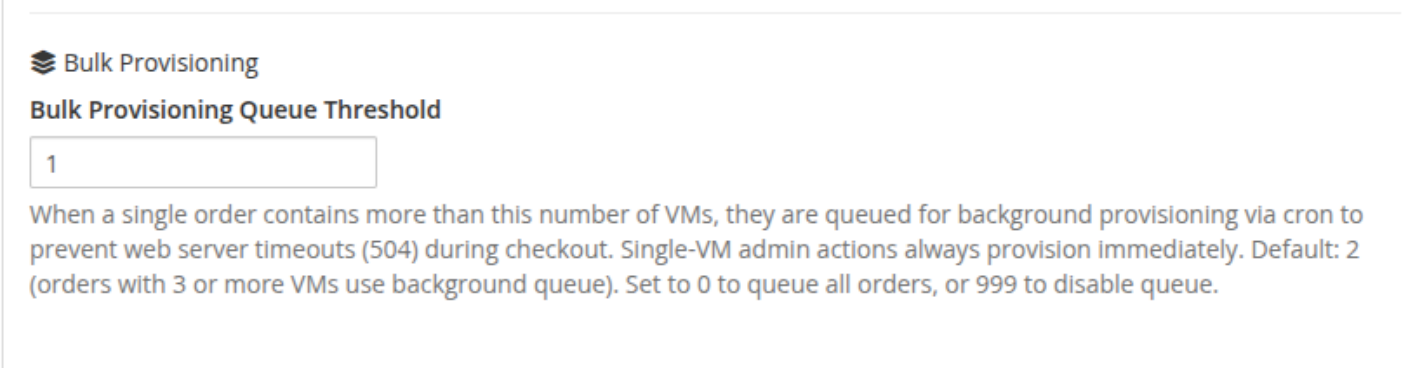
addon-settings-general.png

API Timeouts

Setting	Default	Range	Description

Default Timeout	10s	1–300	Timeout for Proxmox API requests from admin/client area pages
Heavy Operations Timeout	60s	1–600	Timeout for cron operations (deploy, clone, terminate, change package)

Bulk Provisioning



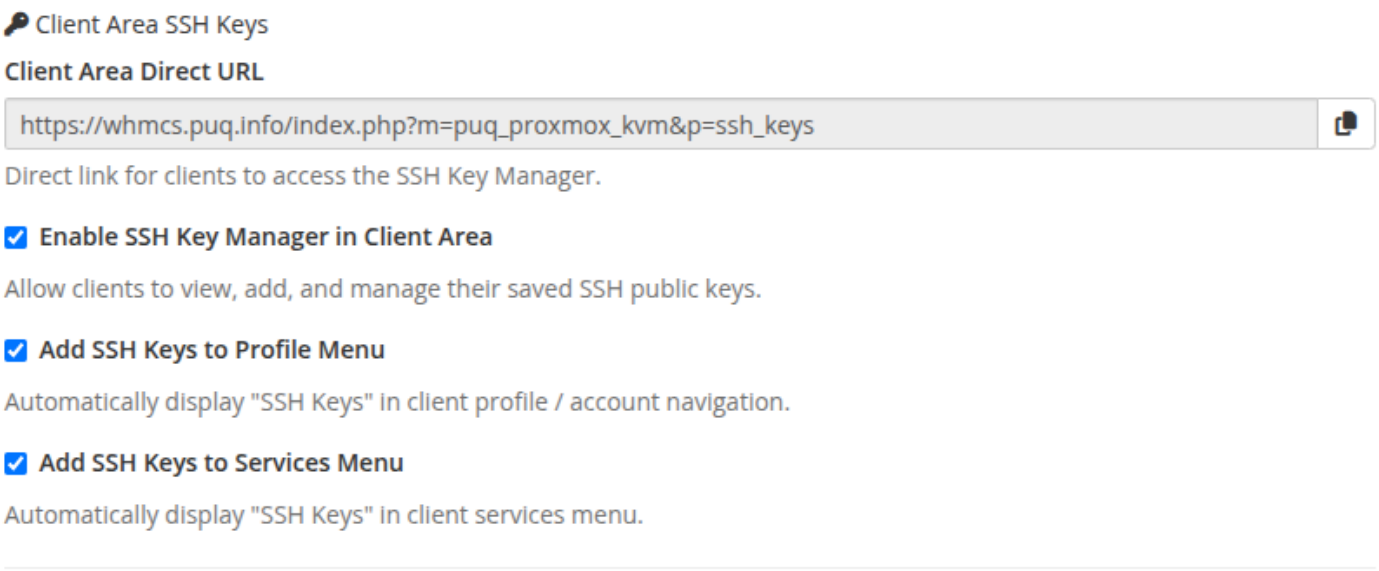
addon-settings-general-bulk-provisioning.png

Setting	Default	Range	Description
Bulk Provisioning Queue Threshold	2	0–999	When an order contains more than this number of VMs, they are queued for background provisioning via cron to prevent web server 504 timeouts during checkout. Orders with 3 or more VMs use the background queue. Set to `0` to queue all orders, or `999` to disable queue

VM Migration

Setting	Default	Description
Enable post-clone migration	Yes	When enabled, VMs cloned to the template node will be automatically migrated to the target node with the correct storage
Migration Timeout	300s	Maximum wait time per cron run for migration to complete. If exceeded, cron retries on next run

Client Area SSH Keys



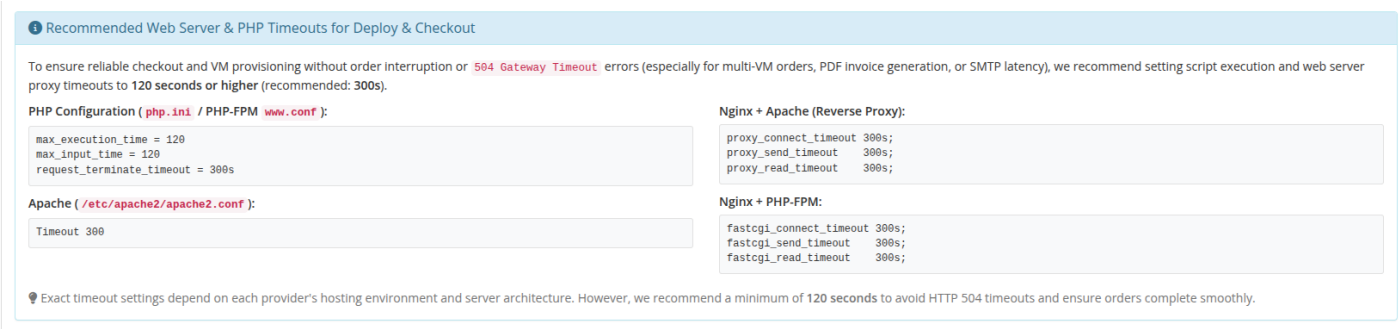
addon-settings-general-ssh-keys.png

Setting	Default	Description
Client Area Direct URL	*Read-only*	Direct link for clients to access the standalone SSH Key Manager (`index.php?m=puq_proxmox_kvm&p=ssh_keys`). Convenient for custom links, portal buttons, or email templates
Enable SSH Key Manager in Client Area	Enabled	Master toggle allowing clients to view, add, and manage their saved public SSH keys in the WHMCS Client Area
Add SSH Keys to Profile Menu	Enabled	Automatically displays the **SSH Keys** menu item in the client profile / user dropdown ("Hello, {Name}!")
Add SSH Keys to Services Menu	Enabled	Automatically displays the **SSH Keys** item in the main client navigation under **Services**

Module Data

Setting	Default	Description
Delete all database tables	No	When enabled, all module database tables are dropped on addon deactivation. When disabled(default), tables are preserved forsafe updates

Recommended Web Server & PHP Timeouts



addon-settings-general-timeouts-guide.png

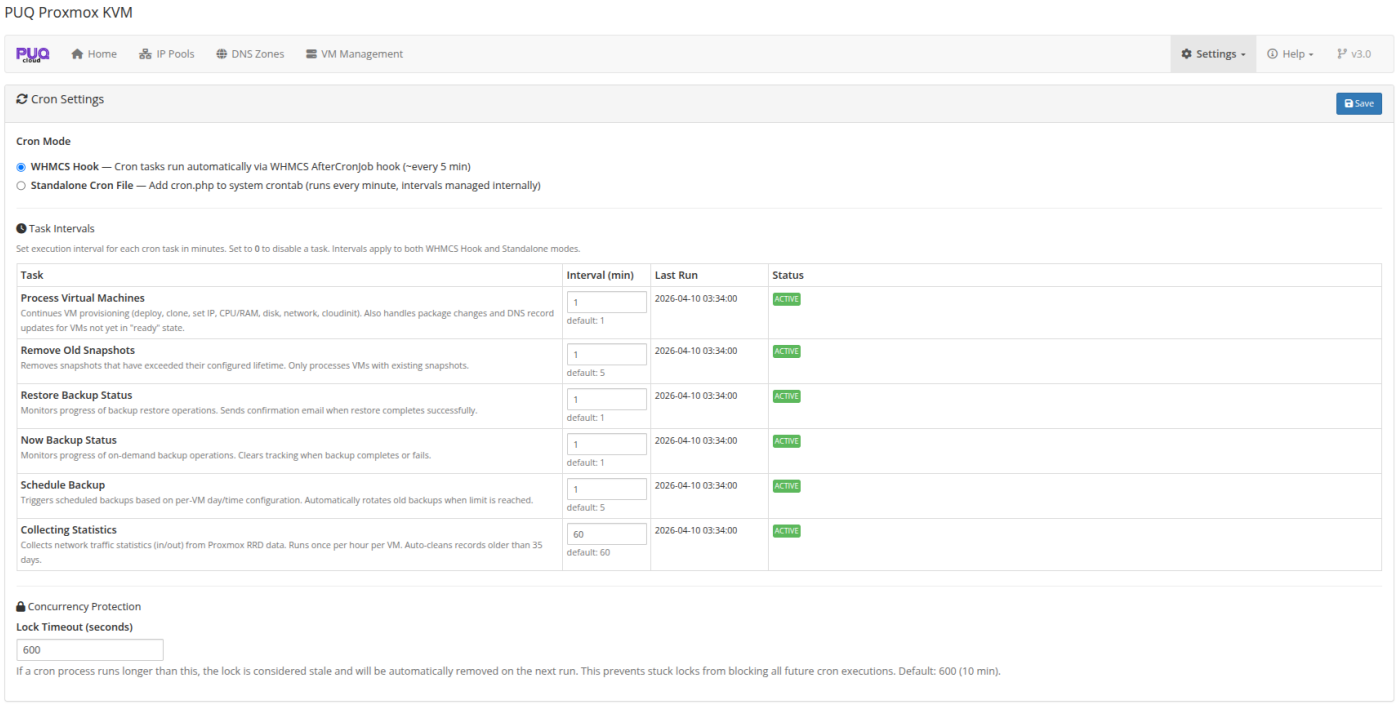
To prevent HTTP 504 Gateway Timeouts, broken checkout sessions, and "Invalid Invoice ID" errors during customer checkout (particularly with multi-VM carts, PDF invoice creation, and SMTP mail delivery), we recommend configuring web server and PHP execution timeouts to **120 seconds or higher** (recommended: **300s**):

- **PHP (`php.ini`):** `max_execution_time = 120` (or `300`), `max_input_time = 120`
- **PHP-FPM (`www.conf`):** `request_terminate_timeout = 300s`
- **Nginx (Apache reverse proxy):** `proxy_connect_timeout 300s; proxy_send_timeout 300s; proxy_read_timeout 300s;`
- **Nginx (PHP-FPM direct):** `fastcgi_connect_timeout 300s; fastcgi_send_timeout 300s; fastcgi_read_timeout 300s;`
- **Apache (`apache2.conf`):** `Timeout 300`

Cron Settings

Navigate to **Addons > PUQ Proxmox KVM > Settings > Cron**.

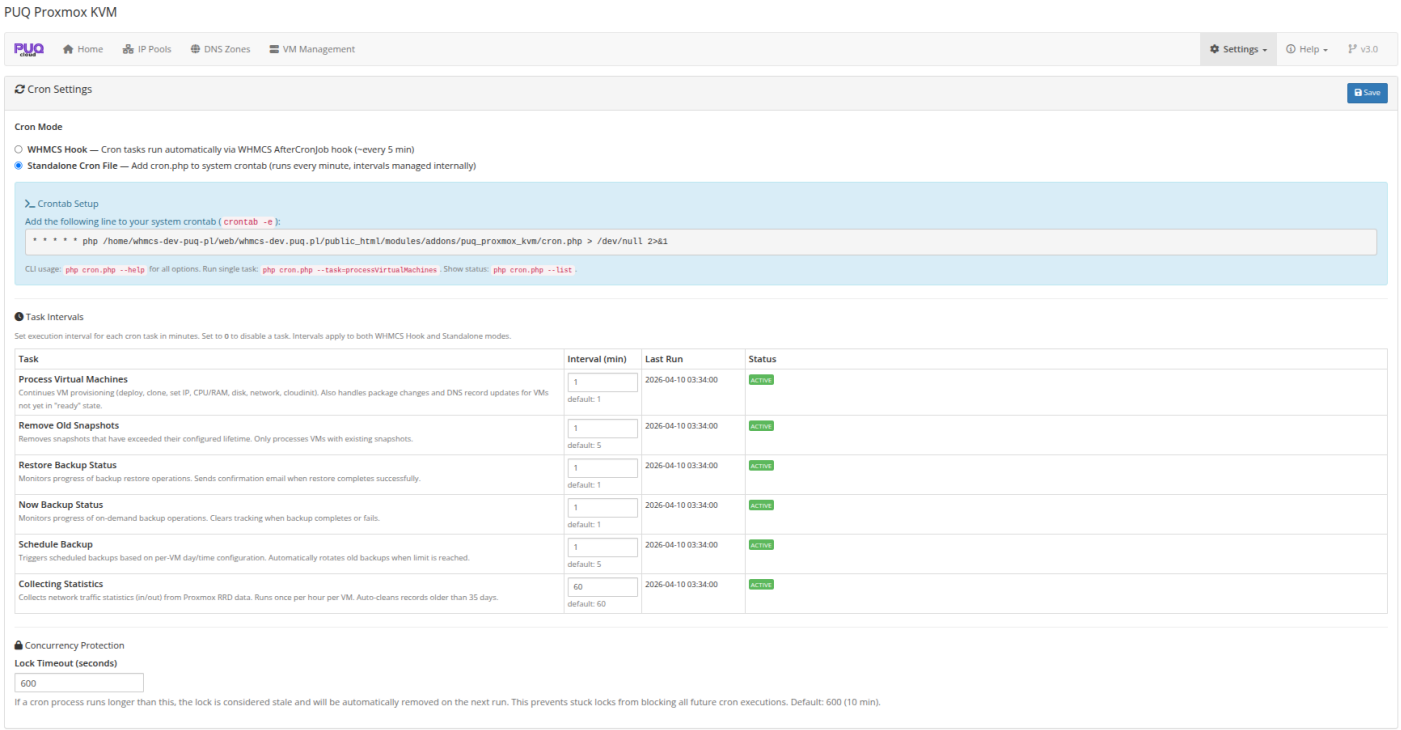
WHMCS Hook Mode



addon-settings-cron.png

In this mode, cron tasks run automatically as part of the WHMCS system cron. No additional configuration is needed.

Standalone Mode



addon-settings-cron-standalone.png

In standalone mode, you run the cron file directly via system crontab:

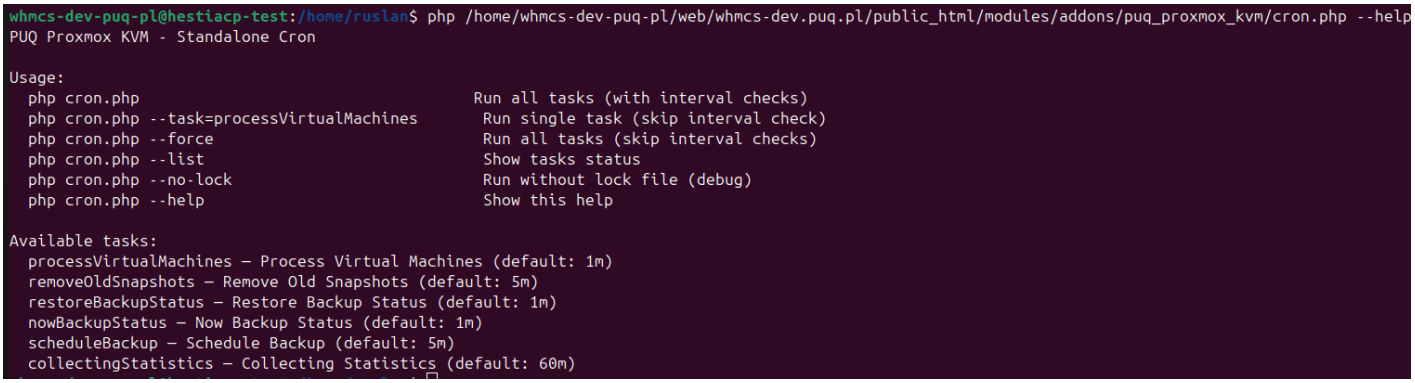
```
* * * * * php /path/to/whmcs/modules/addons/puq_proxmox_kvm/cron.php
```

Cron Tasks

Task	Default Interval	Description
Process Virtual Machines	1 min	Deploys new VMs, processes change_package, refreshes DNS
Remove Old Snapshots	5 min	Deletes snapshots past their configured lifetime
Restore Backup Status	1 min	Checks completion of backup restore operations
Now Backup Status	1 min	Checks completion of manual backup operations
Schedule Backup	5 min	Runs scheduled automatic backups
Collecting Statistics	60 min	Collects network usage metrics for billing

- Set interval to **0** to disable a task
- **Lock Timeout** — maximum time a cron lock is held before considered stale (default: 600s)

CLI Tools



addon-cron-cli-help.png

The standalone cron file supports command-line arguments:

```
# Run all tasks
php cron.php

# Run specific task
php cron.php --task=processVirtualMachines
```

```
# Force run (ignore intervals)
php cron.php --force

# List tasks and their status
php cron.php --list

# Show help
php cron.php --help
```

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