

# Table of Contents

<b>Beacon Production Server</b> .....	3
<b>Setup</b> .....	3
Additional Setup .....	3



# Beacon Production Server

Beacon production is where the public visits [beacontechology.com](https://beacontechology.com)

The hostname is also [chost.beacontechology.com](https://chost.beacontechology.com)

The old hostname was [cpanel.beacontechology.com](https://cpanel.beacontechology.com) however this change was necessary due to cpanel no longer allowing users to change their hostname to cpanel.

Links

- <https://cpanel.beacontechology.com/whm>
- <https://cpanel.beacontechology.com/cpanel>
- <https://beacontechology.com>

## Setup

To create a new [chost.beacontechology.com](https://chost.beacontechology.com) server follow these steps:

1. Set up a fresh Alma 8 minimal.
2. `yum install -y screen`
3. `run screen`
4. Inside screen, update the server with: `yum update -y; sync; sleep 1; reboot`
5. Make sure the box has a valid hostname like [chost.beacontechology.com](https://chost.beacontechology.com) Run `hostname` to print the hostname. To change the hostname run: `nmcli general hostname chost.beacontechology.com`
6. Disable NetworkManager by following this guide: [Click Here](#)
7. Install cPanel by following this guide: [Click Here](#)
8. Transfer the .tar.gz file somewhere to the box
9. Go to this [article](#) to see your restore options
10. Update DNS if you have a different IP

## Additional Setup

### Install ImageMagick

<https://support.cpanel.net/hc/en-us/articles/360037048673-How-to-Install-ImageMagick-for-EA-PHP-and-ALT-PHP>

```
dnf config-manager --set-enabled epel
dnf install ImageMagick ImageMagick-devel -y
```

```
find /opt/cpanel/ -iname pecl | grep bin
```

for each, run this command

```
/opt/cpanel/ea-php74/root/usr/bin/pecl install imagick
/opt/cpanel/ea-php80/root/usr/bin/pecl install imagick
```

## Session Files

There are some other things to take into consideration.

The website generates tons of session files and never cleans them up.

To fix this, you can use a cron job to clean them up

```
# cat /etc/cron.daily/clean_sessions.sh
#!/bin/bash

find /home/beacontechnology/public_html/session -type f -mtime 5 -delete
```

The above has been implemented in a cron job owned by root that runs twice daily. It removes sessions after 10 days. Using -delete would fail due to the large number of arguments (too many files). Piping the results to rm did the job.

```
/home/beacontechnology/clean_sessions

find /home/beacontechnology/www/session/ -name '*' -type f -mtime +10 | head
-10000 | xargs rm
find /home/beaconmicro/www/session/ -name '*' -type f -mtime +10 | head
-10000 | xargs rm
```

## AWstats

By default WHM does not allow users to update stats anytime they want. To restore the Update Now button in awstats

go to: Server Configuration / Tweak Settings

enable: Allow users to update Awstats from cPanel

To manually run an update from script:

```
/scripts/runweblogs $USER
```

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