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Beacon Production Server

Beacon production is where the public visits beacontechology.com

The hostname is also chost.beacontechology.com

The old hostname was 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 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 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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<https://wiki.beacontechnology.com/doku.php?id=wiki:prodserver&rev=1689710055>

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