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Beacon Production Server

Beacon production is where the public visits beacontechnology.com

The hostname is also chost.beacontechnology.com

The old hostname was cpanel.beacontechnology.com however this change was necessary due to cpanel no longer allowing users to change their hostname to cpanel.

Links

- https://cpanel.beacontechnology.com/whm
- https://cpanel.beacontechnology.com/cpanel
- https://beacontechnology.com

Setup

To create a new chost.beacontechnology.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.beacontechnology.com Run `hostname` to print the hostname. To change the hostname run: `nmcli general hostname chost.beacontechnology.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

When reinstalling, you may get an error when running one of the admin scripts:

```
Fatal error: Uncaught Error: Class 'Imagick' not found in
/home/beacontechnology/public_html/admin/resize.php:64 Stack trace: #0
{main} thrown in /home/beacontechnology/public_html/admin/resize.php on line
64
```

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
```

Don't forget to start php-fpm

```
/scripts/restartsrv_apache_php_fpm
```

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
```

From:
<https://wiki.beacontechnology.com/> - **Guide**

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