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# Beacon Production Server

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

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

Links

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

## Setup

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

1. Set up a fresh CentOS 7 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 `cpanel.beacontechology.com` Run `hostname` to print the hostname. To change the hostname run: `nmcli general hostname cpanel.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

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/beacontechology/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/beacontechology/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
```

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