

Module 2: Installation & Initial Setup

1. Installing CWP on CentOS/RHEL-based Systems

Control Web Panel (CWP) is primarily designed for CentOS, AlmaLinux, and Rocky Linux (RHEL-based distributions).

Steps for Installing CWP:

1. Prepare the Server:

- Ensure the server has a clean installation of a compatible OS, such as CentOS 7/8, AlmaLinux, or Rocky Linux.
- install required packages for CWP installation
- `yum -y install wget`
- CentOS 8/Stream, Alma Linux and Rocky Linux: may need to install the EPEL repository to be able to install tools like wget:

yum install

<https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm>

Also,

Yum -y install epel-release

- **dnf install wget -y**
-
- Server Update
- Now we need to update your server to the latest version
- Update the server packages by running:
sudo yum update -y

```
[root@srv2 ~]# rpm --import https://repo.almalinux.org/almalinux/RPM-GPG-KEY-AlmaLinux
[root@srv2 ~]# yum -y update
Last metadata expiration check: 0:37:17 ago on Thu 07 Nov 2024 01:05:00 AM EST.
Dependencies resolved.
=====
Package Architecture Version Repositor
y Size
=====
Installing:
kernel x86_64 4.18.0-553.27.1.el8_10 baseos
 10 M
kernel-core x86_64 4.18.0-553.27.1.el8_10 baseos
 43 M
kernel-modules x86_64 4.18.0-553.27.1.el8_10 baseos
 36 M
Upgrading:
NetworkManager x86_64 1:1.40.16-15.el8_9 baseos
 2.3 M
NetworkManager-libnm x86_64 1:1.40.16-15.el8_9 baseos
 1.9 M
NetworkManager-team x86_64 1:1.40.16-15.el8_9 baseos
 160 k
NetworkManager-tui x86_64 1:1.40.16-15.el8_9 baseos
 355 k
PackageKit x86_64 1.1.12-7.el8 appstream
 598 k
```

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2. Set Hostname:

- Set a fully qualified domain name (FQDN) for the server, as CWP requires a properly configured hostname.
- The hostname must be pointed to the server IP.

- Run:

```
sudo hostnamectl set-hostname your.server.hostname
```

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3. Download and Install CWP:

- Switch to root user, as CWP installation requires root privileges.

```
sudo su
```

- Download and run the installation script:

```
Installer for CentOS 7
```

```
cd /usr/local/src
```

```
wget http://centos-webpanel.com/cwp-el7-latest
```

```
sh cwp-el7-latest
```

Installer for CentOS 8/stream, AlmaLinux, and Rocky Linux (recommended)

```
cd /usr/local/src
```

```
wget http://centos-webpanel.com/cwp-el8-latest
```

```
sh cwp-el8-latest
```

- The installation may take 10-20 minutes, depending on server speed and internet connection.
- During this time, CWP will install necessary software packages and configure services.

4. Reboot Server:

- After installation, CWP will prompt you to reboot the server to complete setup. Run:

```
Shutdown -r now
```

-

2. System Requirements and Configuration Prerequisites

CWP has specific requirements to ensure it operates smoothly on RHEL-based systems. Here's a checklist:

- **Minimum System Requirements:**
 - **CPU:** 1 core (2 cores recommended for better performance)
 - **RAM:** 1GB minimum (2GB or more recommended)

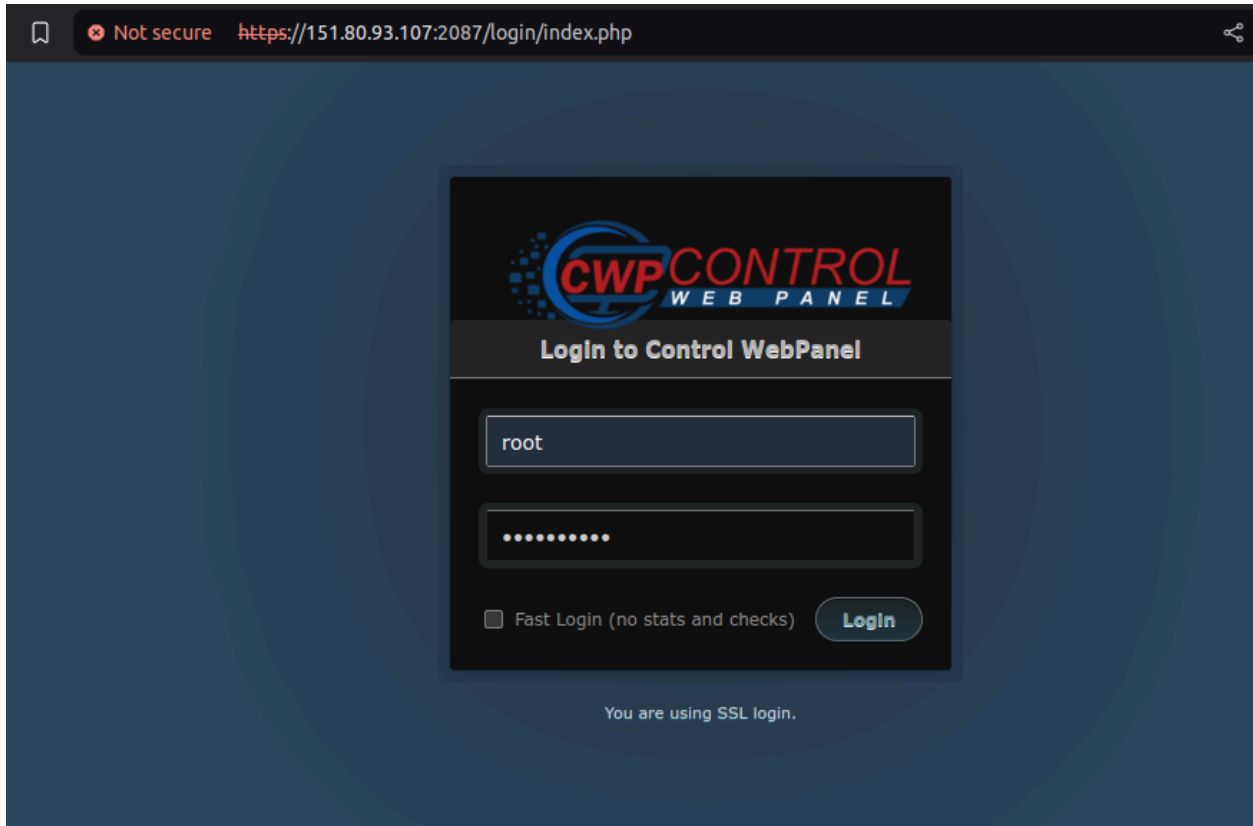
- **Disk Space:** Minimum 20GB (more if hosting websites, databases, or emails)
- **Network:** Static IP address and stable internet connection
- **Software Prerequisites:**
 - **Supported OS:** CentOS, AlmaLinux, or Rocky Linux (64-bit)
 - **Root Access:** Required for installation
 - **Dependencies:** CWP will install necessary packages like Apache, PHP, MariaDB, and PHP modules during the setup process
- **Other Considerations:**
 - **DNS Configuration:** Ensure you have DNS set up or ready to configure.
 - **SELinux:** It's recommended to disable SELinux to avoid conflicts with CWP.
 - To check if SeLinux is enabled or Disabled, see command below.
 - **sestatus**

```
[root@srv2 ~]# sestatus
SELinux status:                disabled
[root@srv2 ~]#
```

3. Initial Setup and Basic Configuration

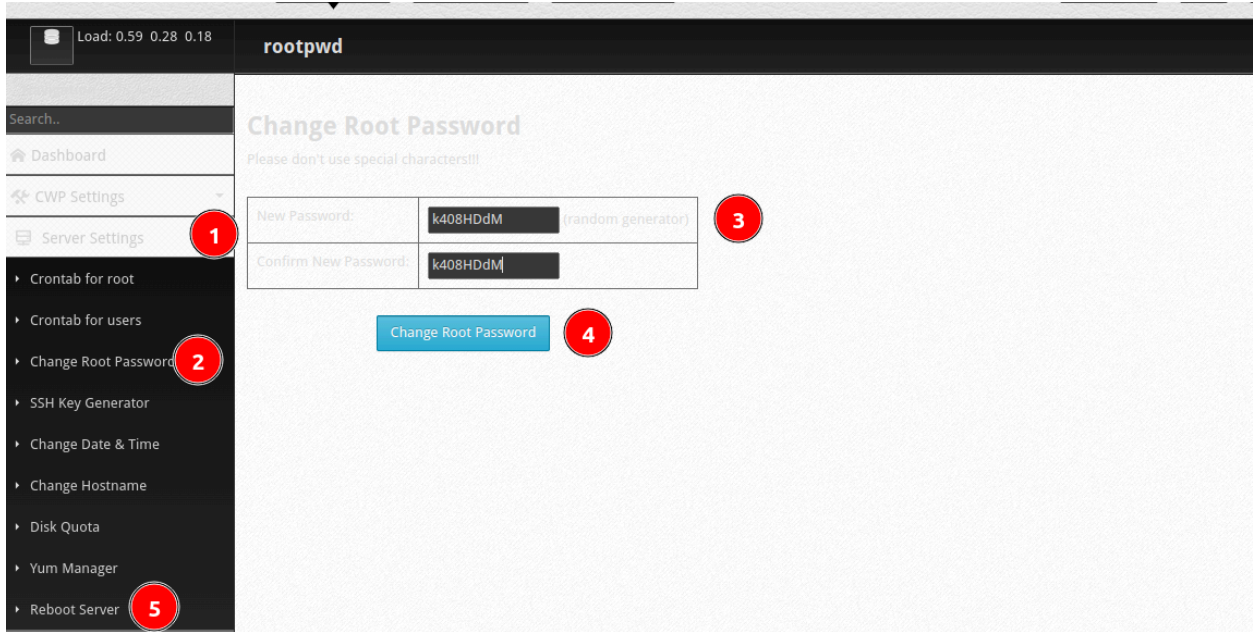
Once the server is rebooted after installation, some initial configurations are needed:

1. **Log into the CWP Admin Panel:**
 - Access the CWP admin panel by visiting **<http://your-server-ip:2030>** in a web browser.
 - Use the root username and password to log in.



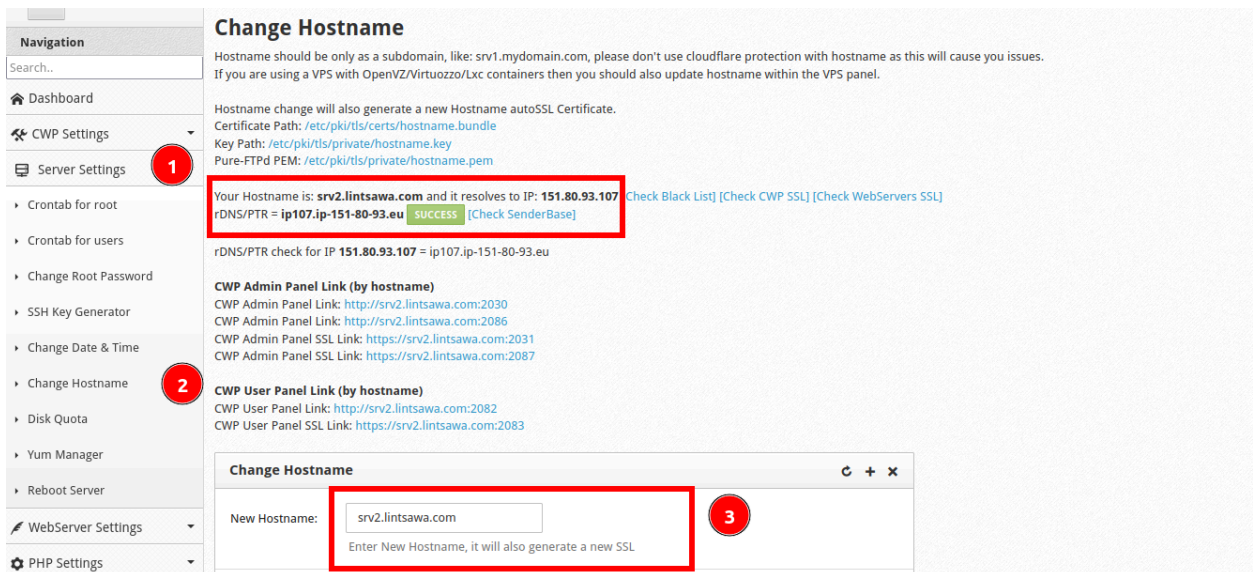
2. Change Root Password (Optional but Recommended):

- Navigate to **Server Settings > Change Root Password** to update the root password for better security.
- Once done, Reboot the server for changes to take effect.



3. Configure Basic Settings:

- Go to **Server Settings > Change Hostname:**
 - **Server Host Name:** Set a proper hostname (if not already configured).
 - **IP Address:** Set or verify the server's static IP.



CWP Admin Panel Link (by hostname)

CWP Admin Panel Link: <http://srv2.lintsawa.com:2030>

CWP Admin Panel Link: <http://srv2.lintsawa.com:2086>

CWP Admin Panel SSL Link: <https://srv2.lintsawa.com:2031>

CWP Admin Panel SSL Link: <https://srv2.lintsawa.com:2087>

CWP User Panel Link (by hostname)

CWP User Panel Link: <http://srv2.lintsawa.com:2082>

CWP User Panel SSL Link: <https://srv2.lintsawa.com:2083>

Change Hostname [Close] [Maximize] [Refresh]

New Hostname: **3**
Enter New Hostname, it will also generate a new SSL

Key Size: ▾

Choose services for SSL certificate installation:

- SSL for CWP services: root panel, user panel, api, webmail...
- SSL for WebServers: apache and nginx
- SSL for Postfix: mail smtp server
- SSL for Dovecot: mail pop3/imap server
- SSL for FTP: pure-ftpd server

Change Hostname **4**

4. DNS Configuration:

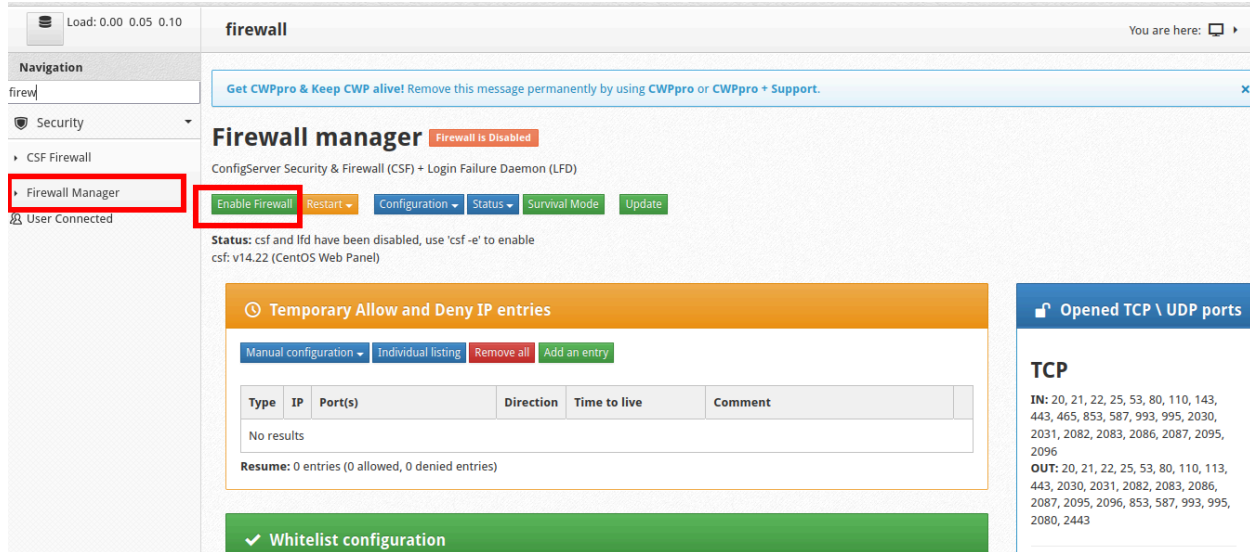
- If using CWP's built-in DNS, set up nameservers under **DNS Functions > Edit Nameservers IPs**.
- Define primary and secondary nameservers, which will be used for domains managed through CWP. Not recommended at the moment.

5. Email Setup:

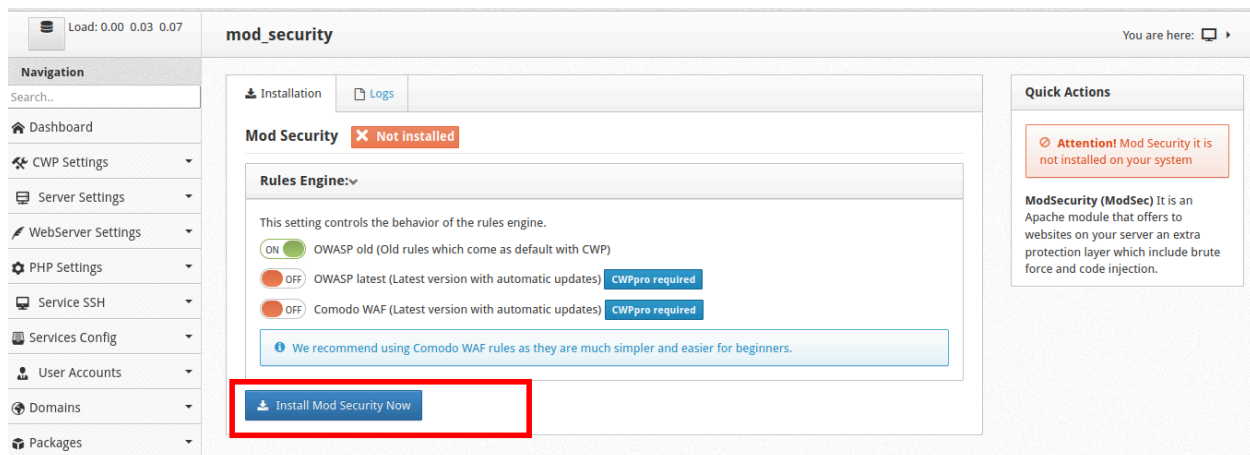
- Set up default email configurations to enable email notifications and ensure that mail servers are functioning.

6. Security Enhancements:

- Configure **CSF Firewall**: CWP includes ConfigServer Security & Firewall (CSF), which can be managed under **Security > CSF Firewall**.



- Enable **ModSecurity**: This helps protect websites from various web-based attacks.
- Before enabling Mod security ensure you have updated your PHP version first to the latest version.



7. Install Additional Modules (Optional):

- CWP allows installation of additional modules for various services (e.g., Redis, Memcached), which can be configured based on specific hosting needs.

4. Accessing the CWP Admin and User Panels

CWP offers both an Admin Panel for server administrators and a User Panel for clients or individual website owners.

- **Admin Panel:**

- Accessible via: **http://your-server-ip:2030** (for HTTP) or **https://your-server-ip:2031** (for HTTPS).
- Login with root credentials.
- Allows access to full server management tools, settings, user accounts, and security configurations.

The screenshot displays the CWP7 admin interface. At the top, there's a navigation bar with 'Dashboard', 'Terminal', and 'FileManager' tabs, along with 'Support', a notification bell with '3', a user profile for 'root', and a 'Logout' button. The main content area is titled 'Dashboard' and includes a system load indicator (0.83 0.30 0.17) and a 'You are here' breadcrumb. A navigation sidebar on the left lists various settings and services. The main dashboard features a status bar with 'Firewall' (On), 'Backups' (On), and 'Support' (Online). Below this are two panels: 'Top 5 Process' showing a table of running processes and 'Disk Details' showing a table of mounted filesystems.

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+
1	root	20	0	172948	10928	8056	S	0.0	0.6	0:02.26
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00

Filesystem	Mounted	Use %	Size
devtmpfs	/dev	0%	848M
tmpfs	/dev/shm	0%	866M
tmpfs	/run	0%	866M
tmpfs	/sys/fs/cgroup	0%	866M
/dev/vda1	/	0%	58G
tmpfs	/run/user/0	0%	174M

- **User Panel:**

- Accessible via: **http://your-server-ip:2082** or **https://your-server-ip:2083**.
- Login with individual user account credentials created through the admin panel.
- Provides access to basic hosting features such as email, file management, databases, DNS, and website management tools.



Search for something...

lintsawa New Unlocked 🇮🇩 ⚙️ 🔍 ? 🔌 Logout

- Dashboard
- CWP Settings <
- File Management <
- Domains <
- Databases <
- Email Accounts <
- DNS Functions <
- Addons <
- Disk Space Usage

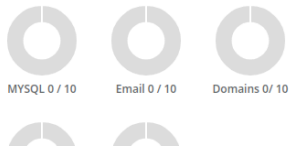
Usage
0%
0.00 MB / 20000 MB

Bandwidth Consumption Current month

Not data available for this period.

Last access

Your plan status



Server information

Server Time:
Thu November 07 07:47:44 UTC 2024
Package name:
default
Main domain:
lintsawaa.com