

# Module 6: CWP Scripts

This module covers a selection of scripts available in CWP.

## 1. Overview of CWP Scripts

CWP provides a set of scripts to assist administrators in managing, securing, and troubleshooting their servers. These scripts cover a range of tasks, from updating security rules to handling SSL and database management. Running these scripts is straightforward and typically involves executing

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## 2. Selected CWP Scripts and Their Uses

Here's a list of 10 essential CWP scripts, their purposes, and how to use them effectively.

### 1. `/scripts/cwp_update_all`

- **Purpose:** Updates all aspects of CWP, including software, configurations, and security rules.
- **Usage:** Run this script to ensure CWP and its components are up-to-date, incorporating the latest patches and features.
- **When to Use:** Regularly, as part of scheduled maintenance to keep the server secure and functioning optimally.

### 2. `/scripts/update_cwp`

- **Purpose:** Updates the main CWP control panel software.
- **Usage:** This script can be run to manually trigger an update if automatic updates are not configured.
- **When to Use:** Recommended to run before implementing new features or whenever updates are released.

### 3. `/scripts/restart_httpd`

- **Purpose:** Restarts the Apache web server.
- **Usage:** Useful after making changes to the Apache configuration or if the web server becomes unresponsive.
- **When to Use:** After configuration changes, installing SSL certificates, or during troubleshooting.

### 4. `/scripts/mysql_pwd_reset`

- **Purpose:** Resets the MySQL/MariaDB root password.
- **Usage:** Execute this script if the MySQL root password is forgotten or compromised.
- **When to Use:** Only in cases where access to MySQL is restricted due to a lost or forgotten root password.

### 5. `/scripts/install_maldet`

- **Purpose:** Installs **Maldet**, a malware detection tool, on the server.
- **Usage:** This script helps enhance security by installing tools to detect malware.
- **When to Use:** After setting up the server or during security maintenance.

### 6. `/scripts/add_alert`

- **Purpose:** Configures alerts for various server events, such as logins, user actions, or failures.
- **Usage:** Use this script to set up email or SMS notifications to receive real-time alerts.
- **When to Use:** Useful for administrators who want to stay informed about server events and potential security incidents.

### 7. `/scripts/cwpsecure_update_rules`

- **Purpose:** Updates security rules for the server.
- **Usage:** This script ensures that the server's firewall and security configurations are up-to-date.
- **When to Use:** Regularly or during security audits to maintain strong server defenses.

### 8. `/scripts/phpfpm_rebuild_user_conf`

- **Purpose:** Rebuilds PHP-FPM configuration for all user accounts.
- **Usage:** Run this script if there are issues with PHP configurations for specific user accounts.
- **When to Use:** After making changes to PHP settings or when user-specific PHP issues arise.

### 9. **/scripts/backup**

- **Purpose:** Creates backups of user accounts, databases, and server configurations.
- **Usage:** Schedule or run manually to perform a full backup.
- **When to Use:** Before performing major updates, during regular maintenance, or when creating restore points.

### 10. **/scripts/mail\_queue\_stats**

- **Purpose:** Provides statistics and insights on the server's email queue.
- **Usage:** Use this script to monitor email queues and detect spamming or delivery issues.
- **When to Use:** Regularly for email server health monitoring or when diagnosing email delivery problems.

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## 3. Automating CWP Scripts with Cron Jobs

Using **cron jobs** to automate CWP scripts helps ensure regular maintenance and monitoring tasks are handled without manual intervention.

- **Setting Up Cron Jobs:**
  - Schedule essential scripts like backups and updates by adding them to the server's cron jobs.
  - Use **crontab -e** to configure cron jobs and specify the script path along with desired intervals.
- **Examples:**

- **Nightly Backups:** Schedule `/scripts/backup` to run every night.
  - **Weekly Security Updates:** Set `/scripts/cwpsecure_update_rules` to run every week for security rule updates.
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#### 4. Basic Usage and Troubleshooting for CWP Scripts

Running scripts in CWP is straightforward, but certain best practices and troubleshooting steps can help:

- **Permissions:** Run scripts with `sudo` or as the root user to avoid permission issues.
  - **Command Not Found:** Double-check script paths if you receive this error; all CWP scripts are located in the `/scripts/` directory.
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**The END**