

Artisan Commands and Scheduled Tasks (Crons)

Command list, arguments/options, usage

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Artisan Commands

Command Line Commands (Artisan)

CFM includes a number of custom Laravel Artisan commands to help automate and manage blocklists, phishing detection, feed ingestion, and other system behaviors.

To view available commands, use the following in your project root:

```
php artisan
```

Below is an overview of the key command groups available in CFM:

agents

Command	Description
<code>agents:check-notifications</code>	Checks the last-seen status of each agent and sends notifications (e.g., Slack) if any are down.

autodelete

Command	Description
<code>autodelete:run</code>	Runs <code>AutoDeleteJob</code> to remove old records (e.g., blocklist entries, logs) based on custom rules.



blocklist

Command	Description
<code>blocklist:fetch-geodata</code>	Bulk fetches GeoIP data for blocklist entries (country, ASN, etc.).
<code>blocklist:resolve-geodata</code>	Resolves GeoIP data with optional processing limits for batching.
<code>blocklist:resolve-ptr</code>	Resolves PTR (Reverse DNS) records for IPs in batches. Parallel processing supported.



cache

Command	Description
<code>cache:clear</code>	Clears the Laravel application cache.



clamav

Command	Description
<code>clamav:generate-signatures</code>	Generates ClamAV-compatible signature files from phishing URLs and malware file hashes (MD5, SHA1, SHA256).



config

“ This section may include config sync-related commands, depending on future additions.

data-feeds

Command	Description
<code>data-feeds:fetch</code>	Fetches and processes all active data feeds configured in the system.
<code>import:blocklist</code>	Imports a list of IPs into the blocklist, whitelist, or greylist.
<code>import:domains</code>	Imports domains into the blocklist or whitelist.
<code>import:mail-filters</code>	Imports email sender/domain filters from a file.

iplist

Command	Description
<code>iplist:generate</code>	Generates <code>whitelist.txt</code> , <code>greylist.txt</code> , and <code>blacklist.txt</code> files from the database for CSF or DNS use.

mailfromfilters

Command	Description
<code>mailfromfilters:generate</code>	Generates <code>mailfromfilters.cf</code> used by the mail filtering system, based on DB entries.

spamassassin

Command	Description
<code>spamassassin:generate-rules</code>	Generates a SpamAssassin custom keyword rule file from the <code>spam_keywords</code> table. Supports strict and loose matching, Greek normalization, etc.

These commands allow you to maintain and automate your security infrastructure directly from the console, and can be scheduled or run on-demand as needed.

Scheduled Tasks / Cron and Supervisor settings

□ Scheduled Commands (Cron)

Scheduled tasks are defined in `routes/console.php` and executed using Laravel's `schedule:run` command. They can be run via a cron shell script or with a process manager like **Supervisor**.

Shell Cron Example:

```
#!/bin/bash
cd "$(dirname "$0")"
php artisan schedule:run >> /dev/null 2>&1
```

Supervisor Setup (Recommended)

Service file: `supervisor.service`

[Unit]

Description=Supervisor process control system for UNIX

After=network.target

[Service]

ExecStart=/usr/bin/supervisord -n -c /etc/supervisor/supervisord.conf

ExecStop=/usr/bin/supervisorctl \$OPTIONS shutdown

ExecReload=/usr/bin/supervisorctl -c /etc/supervisor/supervisord.conf \$OPTIONS reload

Restart=on-failure

RestartSec=50s

Program config: `/etc/supervisor/conf.d/cfm.conf`

```
[program:cfm]
command=php /home/cfm/artisan queue:work redis --memory=2048 --tries=3 --timeout=600
user=cfm
autostart=true
autorestart=true
numprocs=2
redirect_stderr=true
stdout_logfile=/var/log/supervisor/cfm.log
```

Scheduled Commands

Command	Schedule	Description
<code>iplists:generate</code>	Every 10 minutes	Generate updated IP lists from the DB
<code>clamav:generate-signatures</code>	Hourly at :50	Generate ClamAV signature files
<code>agents:check-notifications</code>	Every minute	Check agent status and send alerts
<code>autodelete:run</code>	Daily at 08:00	Run AutoDelete cleanup job
<code>config:sync-storage</code>	Every 5 minutes	Sync configuration files from disk
<code>blocklist:resolve-ptr</code>	Every 10 minutes	Resolve PTR records in batches
<code>blocklist:resolve-geodata</code>	Every 10 minutes	Resolve ASN/Country data in bulk
<code>unblocks:cleanup</code>	Every 5 minutes	Cleanup old unblock requests
<code>phishlist:generate</code>	Every 30 minutes	Regenerate phishing domain list
<code>mailfromfilters:generate</code>	Hourly	Regenerate mailfromfilters.cf
<code>execution:dispatch</code>	Every minute	Dispatch queued execution rules
<code>DataFeedJob (callback)</code>	Every minute	Dispatch data feed jobs for active feeds

These scheduled commands are critical for keeping data up-to-date, automating cleanup, syncing feeds and configurations, and dispatching jobs to agents or queues.