Blueflag Energy
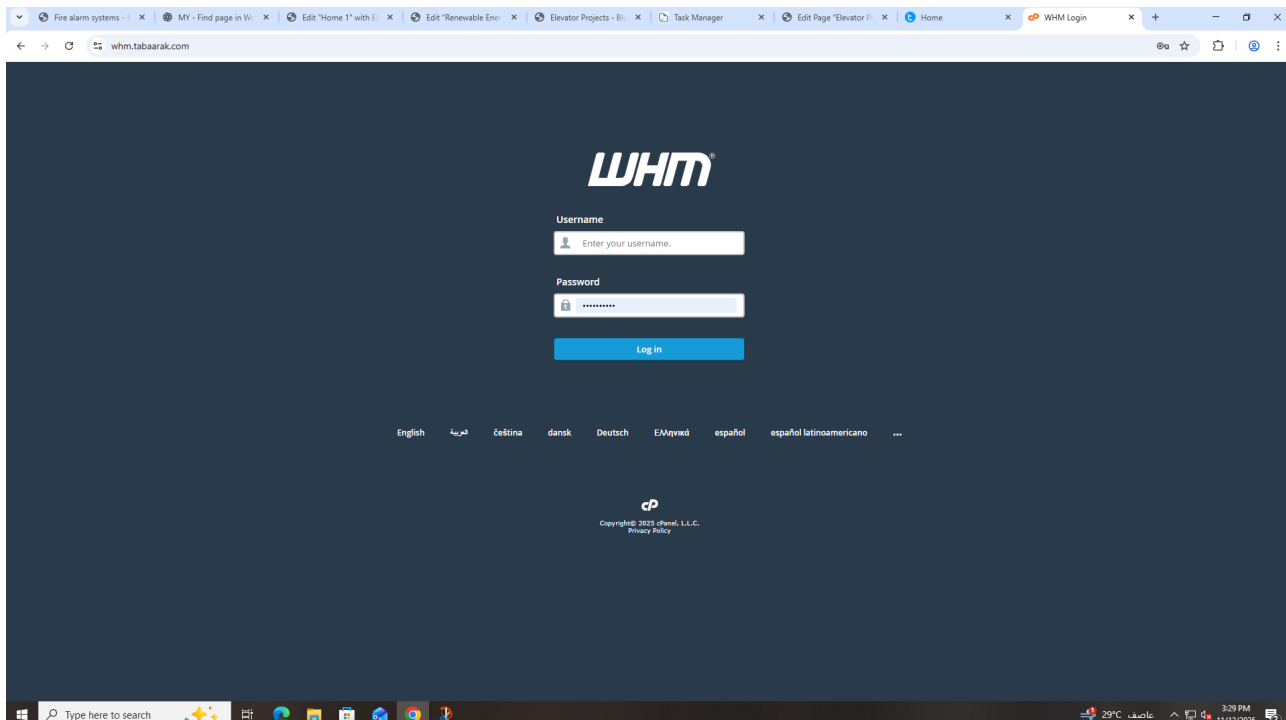
Automatic Email Control and Alert System Using WHM

System Reference Screenshot: WHM Login Panel - https://whm.tabaarak.com

Overview

This document explains how Blueflag Energy uses WHM (Web Host Manager) to control and monitor outgoing emails per domain.

The goal is to prevent spam, maintain server health, and notify administrators automatically when an account exceeds allowed email limits.

Purpose

The system is designed to:

Limit the number of emails sent per domain per hour.

Detect and block email users sending excessive or suspicious messages.

Send an SMS alert automatically to the system administrator using the Hormuud SMS API.

Step 1: Enable Email Sending Limits

Through WHM's Tweak Settings > Mail Tab, the administrator can define how many emails each domain can send within one hour.
Once this limit is reached, WHM automatically records the event in its mail log for further action.

Step 2: Monitor Server Email Logs

All outgoing emails and related activities are stored in the WHM Exim log.
This log allows the system to identify domains or users exceeding the set hourly email quota.

Step 3: Automatic Detection and Blocking

A small automated script continuously monitors the log file.
When it detects that a user has exceeded the email limit, the system suspends the user account automatically and sends an SMS alert to the manager or system administrator.

Step 4: SMS Notifications (Hormuud API Integration)

Once a user is blocked for exceeding the email limit, the system sends an instant SMS notification through the Hormuud API.
This ensures that the manager or administrator is informed in real time about which user has been restricted.

Step 5: Scheduling Automatic Monitoring

A scheduled process runs every few minutes to continuously check for abuse.
This guarantees that all detection and blocking actions happen automatically without manual supervision.

Technology Used

This automation can be implemented using either PHP or Python. For this project, PHP has been selected as the preferred option because it performs faster and integrates easily with WHM and cPanel environments.

Result

After setup, the system automatically limits outgoing emails per domain, detects and blocks excessive senders, sends instant SMS alerts to the admin or manager, and protects server reputation while ensuring reliable mail performance.

Conclusion

Blueflag Energy's WHM-based email control system provides a reliable, automated, and proactive approach to managing email usage and preventing spam.

By combining WHM's internal limits with custom automation and real-time SMS alerts, the system ensures both performance and security for all hosted domains.