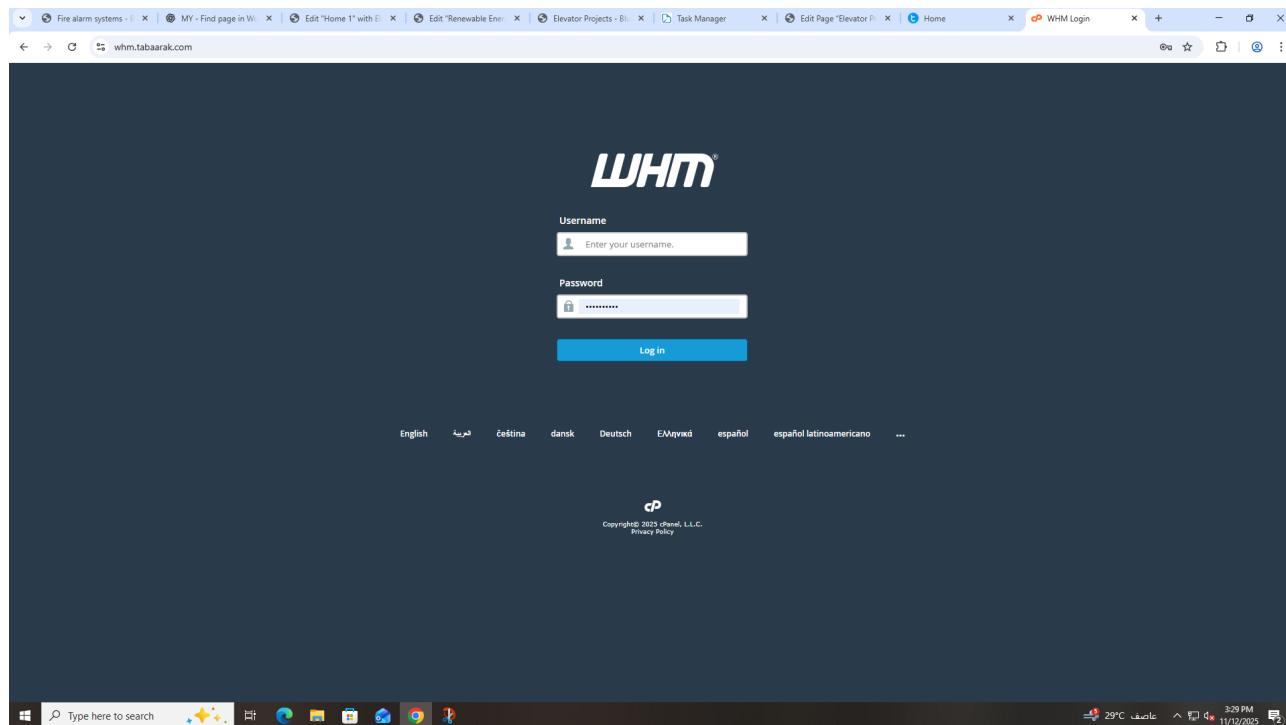


# Tabarak ICT

## Automatic Email Control and Alert System Using WHM



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

### Overview

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

The main goal is to prevent spam, maintain server performance, and notify administrators automatically when an account exceeds the allowed email limit.

### 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 SMS alerts automatically to administrators using the Hormuud SMS API.

### Step 1: Enable Email Sending Limits

In WHM, under Tweak Settings > Mail Tab, administrators can define the maximum number of emails a domain can send within one hour.

Once a domain reaches this threshold, WHM automatically records the event in its mail log for further review and action.

## Step 2: Monitor Server Email Logs

All outgoing email activities are stored in the Exim mail log, allowing the system to detect users or domains exceeding their hourly limits.

This provides full visibility into email behavior across all accounts.

## Step 3: Automatic Detection and Blocking

An automated monitoring process runs continuously in the background.

Whenever it identifies that a user has exceeded the set email limit, the system automatically suspends the user's email activity and notifies the administrator via SMS.

## Step 4: SMS Notifications (Hormuud API Integration)

Once a user is restricted, the system immediately sends an SMS through the Hormuud API.

This ensures that the responsible manager or system administrator is instantly informed about which user or domain triggered the limit.

## Step 5: Scheduled Monitoring

The system is configured to check logs and usage periodically.

This ensures automatic, round-the-clock monitoring and response without requiring manual supervision.

## Technology Used

This automation can be implemented using either PHP or Python.

For this setup, PHP has been selected as the preferred option due to its faster integration and compatibility with WHM and cPanel servers.

## Result

After setup, the system:

- Automatically enforces outgoing email limits.

- Detects and blocks accounts with suspicious activity.
- Sends SMS alerts instantly to administrators.
- Protects the server reputation and ensures consistent email performance.

## Conclusion

Tabarak ICT's WHM-based email control system provides a reliable and automated solution for managing outgoing mail and preventing spam.

By combining WHM's built-in limits with custom automation and real-time SMS alerts, the system guarantees efficient, secure, and stable operation for all hosted domains.