Ping Monitor - Installation & User Guide

This guide explains how to install, configure, and uninstall the **Ping Monitor** tool. The tool continuously pings configured devices, and sends email alerts when devices are unreachable, and optionally sends recovery notifications when they return online.

Files Provided:

- ping_monitor.exe – The main program (runs silently in background).
- config.json – Configuration file with email settings and device IPs.
- install_ping_monitor.bat – Installs the tool to run automatically on startup.
- uninstall_ping_monitor.bat – Fully removes the tool and stops background monitoring.
- icon.ico – Tray icon displayed when running interactively (optional).

Installation Steps:

- Unzip all files to a folder (e.g., Desktop\PingMonitor).
- Edit **config.json** with your email and device details:
- • ToAddresses → list of recipients for alerts.
- • FromAddress → email + app password used to send alerts.
- • Devices → list of device names and IPs to monitor.
- Run **install_ping_monitor.bat** as Administrator.
- After successful installation, the tool runs in background automatically on every startup.
- To start immediately (without reboot), run: %LOCALAPPDATA%\PingMonitor\run_ping_monitor.bat

Tray Icon:

If the tool is started interactively (by running **ping_monitor.exe** directly), a tray icon will appear near the Wi-Fi/network icon. Right-click allows you to **Exit** and stop monitoring. When installed as a background service, it may not show the tray icon (to run silently).

Uninstallation Steps:

- Run **uninstall_ping_monitor.bat** as Administrator.
- This will remove the scheduled task, stop any running processes, and delete installation files from %LOCALAPPDATA%.
- Restart the computer to ensure the tool is fully removed.

Notes:

- You must generate an 'App Password' if using Gmail, and place it in config.json.
- Make sure the monitored devices' IPs are reachable from the monitoring computer.

- Alerts are only sent after the configured number of consecutive failures.
- To test quickly, lower MaxFailuresBeforeAlert in config.json to 2 or 3.