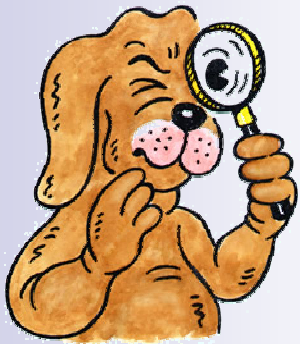


Decision Computer Group

Wireless LAN Watchdog Device – WLAN Access Point Guard

Moving forward with the security of networking and computer forensics

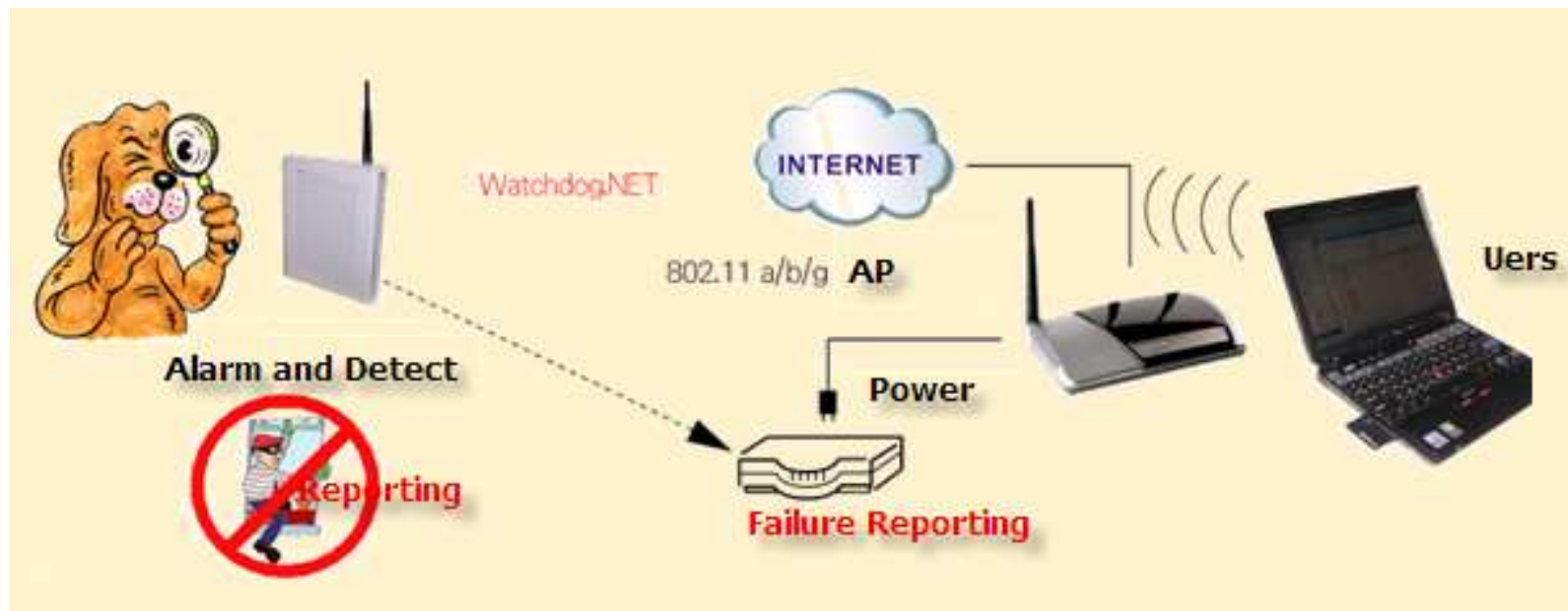


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Watchdog.WLAN

Breakdown Diagnosis and System
Restart/Reboot for Wireless Access Point (AP)
Make Sure to restart AP for Normal Operation





Watchdog.WLAN – Operation Theory

- Watchdog.WLAN provides breakdown diagnosis and system reset functions for Access Point (AP).
- User can set the time and period for the diagnoses of wireless AP by Watchdog.WLAN.
- Watchdog.WLAN will communicate with AP by sending the diagnostic information through wireless, then it detects or identifies diagnostic feedbacks through wireless and/or wired communication, to check whether the sending and receiving functions of the specific wireless AP are normal.
- If the diagnostic information is not returned, or return with error or transmission time out (AP not functioning properly), Watchdog.WLAN will send signal to reset the power source of the wireless AP, to restart the entire AP for proper function.



Watchdog.WLAN – Other function

- Besides providing wireless AP breakdown diagnosis and system reset functions, Watchdog.WLAN also provides breakdown diagnosis and system reset functions for any IP based network equipment.
- At specific time set, Watchdog.WLAN sends diagnostic information to network equipment through wireless and/or wired communication, to check the feedback diagnostic information from network equipment, and determines whether the sending and receiving function of network equipment to work properly.
- If the diagnostic information is not returned, or return with error or transmission time out, and detect the network equipment is not functioning properly, Watchdog.WLAN will send signal to reset the power source of the network equipment, to restart the network equipment for proper function.



Frequently Asked Question

1. **Why needs Watchdog WLAN?**

It is common for Wireless AP to face issue like “system hang.” It will need very inconvenience if man power need to be utilized to restore and restart the AP especially if the AP is located a remote area (high ceiling, hidden inside wall etc.). Therefore, the best way is to have an automated system like Watchdog WLAN where it can check on whether the AP is still alive or it has stop functioning (hang). When it detects that the AP has hanged, Watchdog WLAN can trigger the power switch to restart the AP for normal operation.

2. **Who needs Watchdog WLAN?**

All networks that deploy WLAN can use Watchdog WLAN for this service. ISP that provides WLAN services, Café or restaurant that provide WLAN services and others can use Watchdog WLAN for this purpose.



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Q&A

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