



Release Notes RN171/RN131 v4.81

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1. Wifly application re-structuring

1.1 Wifly Application Split-up

- i. Wifly App split-up into Wifly Infra-Mode & Wifly AP-mode.
- ii. All other sub-apps are retained.

1.2 SoftAP Integration

- i. AP mode source code moved to RN SDK.
- ii. SoftAP APIs integrated in Wifly AP-mode App & Web App.
- iii. SoftAP print levels are not in sync with older Wifly App versions in some scenarios.

1.3 DHCP Server Integration

- i. DHCP Server source code moved to RN SDK.
- ii. DHCP Server APIs integrated in Wifly AP-mode App & Web App.

1.4 Reloadable Module(RM)

- i. Implemented RM to improve the memory optimization.
- ii. The console commands SCAN, SHOW, SET, GET and PING are implemented as RMs, shall be loaded to memory and executed on demand basis.
- iii. Refer app-note on RM design & implementation.

2. PING command is added to console

The PING command was disabled in v4.7x releases due to memory limitations; it has been put back and implemented as RM.

3. APMODE command

3.1 Saving configurations on issuing APMODE command

3.2 APMODE command will restart into Wifly AP-Mode application

3.3 Successive reboots will boot module to Wifly AP-mode application till "factory R"/"set wlan join <value>" command is executed by user.



4. Bug fixes

1. "show rssi" for iPhone Hotspot gives (-0) dbm always
2. "ftp get" with arbitrary file name causes crash.
3. FTP timeout issue while doing f/w upgrade
4. Getting RSSI Value of 0 with UDP Broadcast Packet.
5. Command-mode unresponsive while searching for a AP which is not present
6. Increased TCP retransmit time to ~300ms
7. WDT reset improvements: Watchdog reset occurs within ~1hr if the configured ssid is not available.
8. Restricting TCP out connection in SoftAP mode if HOST IP is not set and DNS does not resolve.
9. Fixed channel issue while associating with an AP
10. Fixed the led blink issue in softAP mode
11. Fixed issue wherein RN module does not reject multiple TCP connections
12. Fixed issue "AP mode beacon interval is not configurable" in contrary to the wifly command reference document
13. New feature added to resolve broadcast HOST address for UDP packets. Feature is based on a flag "host_res" and added under broadcast (Ex: set broadcast host_res <0/1>, default values is 0)