NAME

      wlu **–** Z-Com Wireless Lan Card Configuration Utility

SYNOPSIS

      wlu interface cmd1 cmd1_argv1 [cmd2 cmd2_argv1 cmd2_argv2 ...]

DESCRIPTION

      Wlu is used to query and set WL24xx cards' configuration. It is not designed for replacing **WLU.EXE** of DOS version, but just for providing a convenient way to configure WL24xx cards within Un*x environment.

      To run **wlu** , the device driver must provide additional support for it. Thus, I suggest shutting down the network device by **ifconfig** before using the utility, even though it had been carefully designed to harmonically work with running interface.

OPTIONS

      Wlu accepts the following commands, each of them need one or more arguments.

      Command   Available Argument(s)

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      version query

      reset   now

      flash   write

      channel query / 1-12

      speed   query / 1 (1 Mbps) / 2 (2 Mbps)

      mode   query / 1 (adhoc) / 2 (infrastructure)

      roamingquery / 0 (off) / 1 (on)

      BSSID query / 00 00 00 00 00 00-FF FF FF FF FF FF

      ESSID query / 000000-999999

      security query / 000000-999999 (on) / -1 (off)

      monitor query / 00 00 00 00 00 00-FF FF FF FF FF FF

      Command **monitor** is used to monitor RSSI (Receive Signal Strength Indication) of incoming packet. You may set an ethernet source address to monitor its RSSI. The address can not be written into Flash ROM, and will be zero after the driver is reset.

      You must be aware of the sequence of setting commands are important. For example, if you turn on **roaming** before setting **ESSID** , then it is possible to hang the device.

      Some commands are relative. You must take care of them. e.g.

            Infrastructure mode <-> roaming

            roaming <-> BSSID

            roaming <-> ESSID

      To understand the relationship, please refer **WLU.EXE** of DOS version.

      Before applying command **flash** , all changes you made will only apply to the driver and device temporarily. If you either use command **reset** to reset them or reset the computer, the data in flash ROM will replace current setting.

      Some commands take effect only if you reset the device again. So, to ensure the change you made takes effect, always append **flash write reset now** after them.

EXAMPLES

1. To get driver's current version, channel, speed, and mode setup:

wlu eth1 version query channel query speed query mode query

2. To set card to channel 7 temporarily

wlu eth1 channel 7

3. Set to channel 7, then write current setup into Flash ROM, and reset driver and device

wlu eth1 channel 7 flash write reset now

4. Set roaming on and set ESSID 123456, write to card and reset. (Notice the sequence of roaming and ESSID...)

wlu eth1 ESSID 123456 roaming 1 flash write reset now

5. Set roaming off and set BSSID 00 60 B3 1A 2B 3C, write to card and reset. (Notice the sequence of roaming and BSSID...)

wlu eth1 BSSID 00 60 b3 1a 2b 3c roaming 0 flash write reset now

WARNNING

Flash ROM has limited write/erase cycles. Exceed the limitation, the Flash ROM gets out of order. In normal condition, it should have minimum 100,000 write/erase cycles.

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