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RADICO Connectivity Troubleshooter Log
Started: Tue Jun 17 09:06:05 AM CDT 2025
OS: Ubuntu 24.04
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[2025-06-17 09:06:05] ================================================
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[2025-06-17 09:06:05]       Connectivity Troubleshooter v2.0
[2025-06-17 09:06:05]       Enhanced with AI-Powered Assistance
[2025-06-17 09:06:05] ================================================

#[0;34m=== Connectivity Troubleshooter Tool Verification ===#[0m

#[1;33mChecking required tools...#[0m
#[0;32m✓#[0m ifconfig - installed
#[0;32m✓#[0m netstat - installed
#[0;32m✓#[0m iptables - installed
#[0;32m✓#[0m hcitool - installed
#[0;32m✓#[0m iwconfig - installed
#[0;32m✓#[0m hciconfig - installed
#[0;32m✓#[0m ip - installed
#[0;31m✗#[0m iw - missing
#[0;32m✓#[0m lsof - installed
#[0;32m✓#[0m ufw - installed
#[0;32m✓#[0m btmon - installed
#[0;32m✓#[0m traceroute - installed
#[0;32m✓#[0m journalctl - installed
#[0;32m✓#[0m mii-tool - installed
#[0;31m✗#[0m dhclient - missing
#[0;32m✓#[0m mtr - installed
#[0;32m✓#[0m ss - installed
#[0;32m✓#[0m bluetoothctl - installed
#[0;32m✓#[0m wpa_supplicant - installed
#[0;32m✓#[0m lsusb - installed
#[0;32m✓#[0m wpa_passphrase - installed
#[0;32m✓#[0m systemctl - installed
#[0;32m✓#[0m dig - installed
#[0;32m✓#[0m tracepath - installed
#[0;32m✓#[0m ping - installed
#[0;32m✓#[0m ethtool - installed
#[0;32m✓#[0m nslookup - installed
#[0;32m✓#[0m route - installed
#[0;32m✓#[0m iwlist - installed
#[0;32m✓#[0m host - installed
#[0;31m✗#[0m hcidump - missing
#[0;32m✓#[0m lspci - installed
#[0;32m✓#[0m rfkill - installed

#[0;31mMissing tools:#[0m iw dhclient hcidump
#[1;33mRequired packages:#[0m iw isc-dhcp-client bluez-hcidump

#[0;34mVerifying package availability...#[0m

#[0;34mInstallation command for apt-get:#[0m
#[1;33msudo apt-get install -y #[1;33mChecking package availability and
dependencies...#[0m#[0m

#[1;33mWould you like to install the available packages now? (y/N)#[0m
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#[1;33mSkipping installation. Some commands may fail without required tools.#[0m
#[0;34mTo install manually, run:#[0m
#[1;33msudo apt-get install -y #[1;33mChecking package availability and
dependencies...#[0m#[0m

#[0;35m=== AI Assistance Available ===#[0m
#[1;33mThis script includes AI-powered troubleshooting features.#[0m
#[0;34mAI can help analyze network issues and suggest solutions.#[0m

#[0;32mAI services are available and ready to use.#[0m
#[1;33mWould you like to enable AI assistance? (y/N)#[0m
#[1;33mAI features disabled. You can enable them with --ai-enabled#[0m

#[0;34m=== Starting Connectivity Troubleshooting ===#[0m

#[0;34m=== Comprehensive Network Diagnostics ===#[0m
#[0;36m=== Ethernet Diagnostics ===#[0m
#[0;34mChecking ethernet interfaces...#[0m
2: enp1s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP
mode DEFAULT group default qlen 1000

#[0;34mChecking enp1s0 status...#[0m
      Link detected: yes

#[0;36m=== WiFi Diagnostics ===#[0m
#[0;34mChecking rfkill status...#[0m
0: hci0: Bluetooth
      Soft blocked: no
      Hard blocked: no
1: phy0: Wireless LAN
      Soft blocked: yes
      Hard blocked: no
#[0;31m⚠️ Wireless is soft-blocked#[0m

#[0;34mChecking wlp2s0 status...#[0m
wlp2s0    IEEE 802.11  ESSID:off/any
          Mode:Managed  Access Point: Not-Associated   Tx-Power=off
          Retry short limit:7   RTS thr:off   Fragment thr:off
          Encryption key:off
          Power Management:on


#[0;36m=== Bluetooth Diagnostics ===#[0m
#[0;34mChecking bluetooth service...#[0m
● bluetooth.service - Bluetooth service
     Loaded: loaded (/usr/lib/systemd/system/bluetooth.service; enabled; preset:
enabled)
     Active: active (running) since Tue 2025-06-17 08:15:43 CDT; 50min ago
       Docs: man:bluetoothd(8)
   Main PID: 922 (bluetoothd)
     Status: "Running"
      Tasks: 1 (limit: 18700)
     Memory: 3.8M (peak: 4.1M)
        CPU: 15.020s
     CGroup: /system.slice/bluetooth.service
             └─922 /usr/libexec/bluetooth/bluetoothd

Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/aptx_ll_1
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/aptx_ll_0
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/aptx_ll_duplex_1
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
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path=/MediaEndpoint/A2DPSource/aptx_ll_duplex_0
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/faststream
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/faststream_duplex
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSink/opus_05
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/opus_05
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSink/opus_05_duplex
Jun 17 08:16:17 Kubuntu bluetoothd[922]: Endpoint registered: sender=:1.61
path=/MediaEndpoint/A2DPSource/opus_05_duplex

#[0;34mChecking bluetooth controllers...#[0m
hci0: Type: Primary  Bus: USB
      BD Address: 6C:05:D3:43:35:68  ACL MTU: 1021:8  SCO MTU: 255:12
      UP RUNNING PSCAN
      RX bytes:1345973 acl:78726 sco:0 events:372 errors:0
      TX bytes:44082 acl:76 sco:0 commands:253 errors:0
      Features: 0xff 0xff 0xff 0xfe 0xdb 0xfd 0x7b 0x87
      Packet type: DM1 DM3 DM5 DH1 DH3 DH5 HV1 HV2 HV3
      Link policy: RSWITCH HOLD SNIFF PARK
      Link mode: PERIPHERAL ACCEPT
      Name: 'Kubuntu'
      Class: 0x7c0104
      Service Classes: Rendering, Capturing, Object Transfer, Audio, Telephony
      Device Class: Computer, Desktop workstation
      HCI Version: 4.2 (0x8)  Revision: 0x75b8
      LMP Version: 4.2 (0x8)  Subversion: 0xf098
      Manufacturer: Realtek Semiconductor Corporation (93)


#[0;32m=== Troubleshooting Complete ===#[0m

#[0;36m=== Connection Status Report ===#[0m
#[0;34mInterface Status Summary:#[0m

#[1;33m📶 Ethernet (enp1s0):#[0m enabled / traffic
#[1;33m📡 WiFi (wlp2s0):#[0m disabled / nil
#[1;33m🔵 Bluetooth:#[0m enabled / traffic
#[1;33m🔄 Loopback:#[0m enabled / traffic
#[1;33m🔒 VPN:#[0m disabled / nil

#[0;34mLegend:#[0m
  #[0;32menabled#[0m  - Interface is up and operational
  #[0;31mdisabled#[0m - Interface is down or unavailable
  #[0;32mtraffic#[0m  - Active data transmission detected
  #[1;33midle#[0m     - Interface ready but no significant traffic
  #[0;31mnil#[0m      - No connectivity or interface unavailable

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