Microsoft wireless network report

Collecting information related to interpreting the Microsoft WLANREPORT

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netsh wlan show wlanreport
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Microsoft: [Answers to common questions about NCSI (Network Connectivity Status Indicator)]

Reasons for network probe failure

Output	Description
ActiveDnsProbeFailed	The DNS probe failed. **Verify via a packet capture.**
ActiveHttpProbeFailed	The DNS name for the probe server wasn’t resolved. NSCI failed before attempting to send the web probe request. This could be due to DNS failure, failure to connect to the proxy server, etc. **Verify via a packet capture.**
ActiveHttpProbeFailedButDnsSucceeded	The probe server DNS name was resolved but the HTTP probe to that resolved IP address failed. **Use a packet capture application and verify the data capture.**

Output	Description
ActiveHttpProbeFailedHotspotDetected	The HTTP probe didn’t get past a hotspot or captive portal. This is typically determined when an HTTP response 200 is received, but the response payload doesn’t contain the text file *connecttest.txt*. Alternatively, a non-200 HTTP status code, such as 302 or 304, might be received. **This status code will normally be observed when handling issues where the wireless connection cannot be established. Verify via a packet capture. The user may need to authenticate the hotspot or the hotspot configuration may need to be modified.**
NoAddress	The target adapter has no preferred IP address assigned. **There is a bigger issue involved that can't be resolved through NSCI.**
NoGlobalAddress	Same as NoAddress but specific to IPV6 interfaces.
NoRoute	The interface that the probe is being sent on has no route to the internet in the routing table. **Some scenarios where this can happen is when a newly connected VPN hasn’t yet changed the routing table with new routes, or in forced tunnel VPN scenarios in which after the VPN interface is connected, the physical interface drops to local connectivity as the route table was modified.**
PassivePacketHops	**Not a failure.** Received packets indicate some level of connectivity. This change reason is used when capability is being **raised**, not lowered.

-end

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