

802.1x and DHCP Failure

Source: <http://www.tech-archive.net/Archive/Internet/microsoft.public.internet.radius/2004-04/0050.html>

From: RogerC (*rojoch_at_NOSPAMtiscali.co.uk*)

Date: 04/13/04

Date: Tue, 13 Apr 2004 01:06:35 +0100

Hi,

I am trying to setup radius authentication. Having failed on our production network I have set up a test setup consisting of a 2003 standard sever and a laptop running XP sp1.

I have applied all service packs/updates I can find.

I have tried both Dlink 900AP and 2000AP's and Dlink 650+ & G650 PCMCIA cards, all with the latest drivers.

The laptop logs on and obtains an ip address correctly using a wired connection.

When connecting by wireless I always get an Automatic Private IP Addressing (APIPA)

In the TechNet article "Troubleshooting Windows XP IEEE 802.11 Wireless Access" it states:

"If the wireless adapter has an Automatic Private IP Addressing (APIPA) address (169.254.0.0/16) or the configured alternate IP address, then authentication has failed and the Windows XP wireless client is still associated with the wireless AP" but the IAS log and AP log indicate that authentication was successful.

I have tried everything but to no avail!

Any help greatly appreciated!

RogerC

Test setup:-

The test domain is 'ROGERDOM', server 'win2k3s' and laptop 'ROGERLAP' and user logon of rogerc.

Server Event Log entries:

Event Type: Information

Event Source: IAS

Event Category: None

Event ID: 1

Date: 11/04/2004

Time: 01:04:34

User: N/A

Computer: WIN2K3S

Description:

microsoft.public.internet.radius: 802.1x and DHCP Failure

User host/ROGERLAP.rogerdom.com was granted access.
Fully-Qualified-User-Name = rogerdom.com/Computers/ROGERLAP
NAS-IP-Address = 192.168.8.50
NAS-Identifier = MY-DWL-900AP+
Client-Friendly-Name = 900AP
Client-IP-Address = 192.168.8.50
Calling-Station-Identifier = 00-80-C8-07-11-47
NAS-Port-Type = Wireless - IEEE 802.11
NAS-Port = 0
Proxy-Policy-Name = Use Windows authentication for all users
Authentication-Provider = Windows
Authentication-Server = <undetermined>
Policy-Name = WIRELESS access policy
Authentication-Type = PEAP
EAP-Type = Secured password (EAP-MSCHAP v2)

Event Type: Information

Event Source: IAS

Event Category: None

Event ID: 1

Date: 11/04/2004

Time: 01:08:02

User: N/A

Computer: WIN2K3S

Description:

User ROGERDOM\rogerc was granted access.
Fully-Qualified-User-Name = rogerdom.com/My Users/Roger xxxxxx
NAS-IP-Address = 192.168.8.50
NAS-Identifier = MY-DWL-900AP+
Client-Friendly-Name = 900AP
Client-IP-Address = 192.168.8.50
Calling-Station-Identifier = 00-80-C8-07-11-47
NAS-Port-Type = Wireless - IEEE 802.11
NAS-Port = 0
Proxy-Policy-Name = Use Windows authentication for all users
Authentication-Provider = Windows
Authentication-Server = <undetermined>
Policy-Name = WIRELESS access policy
Authentication-Type = PEAP
EAP-Type = Secured password (EAP-MSCHAP v2)

AP log:

Apr/13/2004 00:03:04 Send Accounting login message ROGERDOM\rogerc
Apr/13/2004 00:03:03 Authentication success 00-80-C8-07-11-47
Apr/13/2004 00:03:03 EAP-Success 00-80-C8-07-11-47
Apr/13/2004 00:02:53 EAP-Response/Identity ROGERDOM\rogerc
Apr/13/2004 00:02:53 EAP-Request/Identity
Apr/13/2004 00:02:53 Wireless PC connected 00-80-C8-07-11-47
Apr/13/2004 00:02:45 EAP-Response/Identity ROGERDOM\rogerc