Access Points

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Cisco 350 Access Points Drop Terminal Sessions

Introduction

The following describes an issue with the Cisco 350 Access Points.

While in operation, the 350 drops terminal sessions.

Resolution

The firmware needs to be updated to at least 11.05.

Cisco 340 Access Points Lock Up

Introduction

The following illustrates an issue with Cisco 340 Access Points.

Background

While the 340 operates, it will accumulate errors and eventually fill up and cease to function. This access point is at end of life, and the firmware within the Access Points is not going to be updated by Cisco.

Network errors may happen on either the radio or wired side of the Access Point. CRC errors seen on the radio side trigger bad coverage and antenna placement.

Resolution

The solution is to eliminate the errors occurring in the environment or reset the Access Points.

802.11 Terminals Will Not Associate to 802.11b Access Points

Introduction

802.11 terminals will not associate to 802.11b Access Points.

Background

802.11 terminals will not associate on 802.11b Access Points. The Access Points probe the terminals at 11MBs. Some terminals only support speeds of 1 and 2 MBs and do not hear the probe.

Resolution

Lower the speed in the Access Points to 1 and 2 MBs only. This issue is with both Cisco and Linksys Access Points.

Proxim Token Ring Access Point Considerations

Introduction

The following is a description of the setup of a Proxim Token Ring Access Point for source routing.

Background

When integrating into a Token Ring environment, you must first determine how the Token Ring is set in the customer's environment with or without source routing. 99.9% should be source routing. This allows routers to dynamically learn the paths to and from destinations on a Token Ring network.

Proxim AP Setup

```
bash# telnet 192.168.0.5
Trying 192.168.0.5...
Connected to 192.168.0.5.
Escape character is '^]'.


                        Main Menu                TR/AP 1.2-B5

Selection   Description
---------   -----------
1           Configuration Menu
2           Statistics Menu
3           Status Menu
4           Download Menu
5           Diagnostics Menu
6           Reset Token Ring Access Point

Enter a selection number or <ESC> for previous menu -> 1


                     Configuration Menu              TR/AP 1.2-B5

Selection   Description
---------   -----------
1           TCP/IP Configuration Menu
2           Filter Configuration Menu
3           Bridge Configuration Menu
4           Radio Configuration Menu
5           Token Ring Configuration Menu
6           Authorization Table Configuration Menu
7           SNMP Configuration Menu
8           Upload Configuration Menu
9           Dump Configuration To Screen

Enter a selection number or <ESC> for previous menu -> 3
```

Bridge Configuration Menu TR/AP 1.2-B5

Selection	Description	Current Value
1	Bridging Mode	**Single-Ring SR/TB**
2	Bridge Parameters Menu	
3	Frame Mapping Configuration Menu	
4	Aging Period (seconds)	300

Enter a selection number or <ESC> for previous menu ->

Aironet Access Points with Lucent Radios 802.11 Configuration

Introduction

The following describes a problem with Aironet Access Points having a Lucent Radio 802.11 configuration.

While operating, terminals with Lucent 802.11 radios may experience problems without a change of Access Point configuration.

Resolution

When using Aironet Access Points with terminals running with Lucent radios, turn off the 802.11->proprietary extensions in the Aironet Access Points.

Cisco Model 340 Access Points Setup for Aironet Radio Terminals

Introduction

The following describes an issue with Cisco 340 Access Points set up for Aironet radio terminals.

Background

Cisco 340 Access Points are shipped without the ability to communicate to Aironet equipped terminals.

Resolution

Configure the AP as follows:

From the main menu, select Setup, and then select Advanced on the radio line.

See these three links below:

http://www.connectrf.com/Documents/ciscomain.html

http://www.connectrf.com/Documents/Setup.html

http://www.connectrf.com/Documents/SetAdv340.html

APsess.log Details

The following is a legend for Apsess.log details:

Disconnect-1 Received CM_END from handler. Handler terminating.

Disconnect-2 Disconnect and/or error on the socket with the terminal.

Disconnect-3 Error on a TCP send to a terminal, or Terminal logged in with same IP address as existing terminal. Shutting down old handler/connection.

Disconnect-4 Terminal logged in with same mac address as existing terminal. Shutting down old handler/connection.

Below are sequences for this log:

Normal Log On then Log Off with "Session End Key"

02/25 15:44:02.243 Connect 207.241.78.137 (3)
02/25 15:44:17.202 Disconnect-2 207.241.78.137 (2)
02/25 15:44:17.930 Disconnect-1 207.241.78.137 (2)

Session Ended with Host Application End

03/03 17:02:58.256 Connect 207.241.78.137 (3)
03/03 17:03:14.378 Disconnect-2 207.241.78.137 (2)
03/03 17:03:15.290 Disconnect-1 207.241.78.137 (2)

Active Session then Terminal Reboots

03/03 17:05:56.833 Connect 207.241.78.137 (3)
03/03 17:10:05.803 Disconnect-3 207.241.78.137 (2)
03/03 17:10:05.804 Reconnect 207.241.78.137 (4)

Normal Log On - Change IP then Reboot

Telxon 2000 Radio Parameters for PowerNet

Set access points as follows:

AIR I/O AP2000E V5.21 Configuration Radio Menu AP2000E_2162f9

Option	Value	Description
1 - Sid	[2]	System identifier
2 - Bitrate	[2000]	Data bit rate in kilobits / second
3 - Frequency	[2442]	Center frequency in MHz
4 - Root	[on]	Enable root mode
5 - Autoscan	[on]	Enable auto scan mode
6 - Install	[menu]	Installation utilities
7 - Extended	[menu]	Extended parameters

Enter an option number or name, "=" main menu, <Esc> previous menu.

Settings in the c:\PowerNet\twinclient\terminal\Telxon\8660-960\2000\pktds.def file:

[SpreadPacket]
BitRate=0
Channel=3
RadioType=0
RadioId=0xFFFF
RouterId=0x0000
SystemId=0x00000002
MaxDatagram=2048
MaxRetries=0
ReceiveMode=0
RootRepeater=0
SpecifiedRouter=0x000000000000
FastPoll=0
FastPollDecay=0
FastPollDelay=0
ARL_Threshold=0
ARL_Decay=0
SpecRegTimeout=0
RegistrationMode=2
RegistrationFill=0
SlowPoll=0
RefreshRate=0
NetworkId=0x000000000000
LocalTalkAddress=0x00
CodeFormat=0
NumChannels=0
Channel1=0
Channel2=0
Channel3=0
Channel4=0

Symbol S24 Associates to Access Points with Different ESSID's

Introduction

The following describes an issue with the Symbol terminals that associate to the wrong access points.

Background

You have a terminal and two access points, one with the same ESSid as the terminal and the other with a different ESSid. After the terminal associates to the access point with the same ESSid and roams to the other access point, it will associate but not communicate.

This causes multiple issues with AirLoader being able to configure the terminals. It will appear to work but really won't. The terminal may hang and you also may see poor radio performance.

Resolution

Configure both the terminals and all access points to the same ESSid.

Contact Symbol for updated drivers.

About This Document

This document is based on the following Technical Documents in our Lotus Notes database that have been made obsolete: A1044, A1049, A1052, A1067, A1060, T1122, T1137, T1177, and T1217.

Please let us know about any errors in this document at:
http://207.241.78.223/isoxpert/calltrak.nsf/WebTracking?OpenForm.