CUSTOMER RELEASE NOTES

Enterasys® Wireless Standalone 802.11n AP Firmware
Version 8.32.16.0001
July 27, 2015

INTRODUCTION

This document provides specific information for Enterasys® Wireless Standalone 802.11n AP Firmware

Enterasys recommends that you review this document prior to installing or upgrading this product.
For the latest firmware versions, visit the Enterasys download site at:
https://www.enterasys.com/support/downloads

PRODUCT FIRMWARE SUPPORT

Status	Firmware Version	Product Type	Release Date
Current Version	8.32.16.0001	Maintenance Release	July 27, 2015
Previous Version	8.32.15.0004	Maintenance Release	May 11, 2015
Previous Version	8.32.14.0002	Maintenance Release	February 9, 2015
Previous Version	8.32.13.0003	Maintenance Release	November 28, 2014
Previous Version	8.32.12.0002	Maintenance Release	October 23, 2014
Previous Version	8.32.11.0004	Maintenance Release	September 26, 2014
Previous Version	8.32.10.0003	Maintenance Release	August 22, 2014
Previous Version	8.32.09.0002	Maintenance Release	July 18, 2014
Previous Version	8.32.08.0002	Maintenance Release	June 13, 2014
Previous Version	8.32.07.0004	Maintenance Release	May 9, 2014
Previous Version	8.32.06.0007	Maintenance Release	April 11, 2014
Previous Version	8.32.05.0007	Maintenance Release	March 7, 2014
Previous Version	8.32.04.0006	Maintenance Release	January 24, 2014
Previous Version	8.32.03.0002	Maintenance Release	December 13, 2013
Previous Version	8.32.02.0006	Maintenance Release	November 22, 2013
Previous Version	8.32.01.0035	Feature Release	October 25, 2013
Previous Version	8.31.03.0011	Maintenance Release	August 21, 2013
Previous Version	8.31.02.0005	Maintenance Release	July 16, 2013
Previous Version	8.31.01.0189	Feature Release	June 27, 2013

SUPPORTED ACCESS POINTS

The Enterasys® Wireless Standalone 802.11n AP Firmware 8.32 supports the following access points:

Product	Image
Wireless AP3630	AP3600-08.32.16.0001.img

Product	Image
Wireless AP3640	

INSTALLATION INFORMATION

Note: Backup before upgrade.
Enterasys strongly recommends that you back up the AP configuration before you upgrade your AP.

Note: The minimum system software version is 08.01.01.0251 to upgrade to this software version.

NETWORK MANAGEMENT SOFTWARE

Network Management Product	Minimum Version No.
Enterasys NetSight	4.3.0

NEW FEATURES, SOFTWARE CHANGES, AND ENHANCEMENTS

There are no changes or enhancements in 8.32.16.0001

There are no changes or enhancements in 8.32.15.0004

There are no changes or enhancements in 8.32.14.0002

Changes in 8.32.13.0003	
wns0011227	Improved AP3630/40 interoperability with specific clients in high-density environments

Changes in 8.32.12.0002	
wns0011220	Corrected a race condition issue on 3600 series AP that could cause the AP to reboot.

Changes in 8.32.11.0004	
wns0011038	Improved the resiliency of the AP in very high-density user environments that results in heavy log event generation.

Changes in 8.32.10.0003	
wns0010964	Corrected a memory management issue affecting 36xx access points

There are no changes or enhancements in 8.32.09.0002

There are no changes or enhancements in 8.32.08.0002

Changes in 8.32.07.0004	

Changes in 8.32.07.0004	
wns0008388	Improved the resiliency of the 3600 AP Series when a malformed ethernet packet is received on the wired port.
wns0010585	Corrected an issue whereby the AP would continue to send packets to a mobile device that was in sleep mode causing the loss of data packets.

Changes in 8.32.06.0007	
wns0010034 wns0010093	Corrected a memory management issue that could cause the AP36XX Series APs to reboot under heavy load.

There are no changes or enhancements in 8.32.05.0007

Changes in 8.32.04.0006	
wns0009811	Corrected an issue that could result in a mis-configuration when changing an AP config from a 20MHz channel to Auto.

There are no changes or enhancements in 8.32.03.0002

Changes in 8.32.02.0006	
wns0009708	Added a new configuration option via the AP CLI to overwrite the default timing for key exchange retries. The default retry setting of 100ms may be too aggressive for some legacy clients to respond in time.

Changes in 8.32.01.035	
wns0008894	Corrected an issue that causes instability when frame aggregate deletion is requested by the wireless client.
wns0009540	Removed diagnostics code that could cause an AP to reboot in congested RF environments.

Changes in 8.31.03.011
There are no changes or enhancements in 8.31.03.0011

Changes in 8.31.02.005
Corrects a connectivity issue between the SEN WL2 and 3600 Series introduced in 8.31.01 due to a change in default QoS settings.

Changes in 8.31.01.0189
There are no changes or enhancements in 8.31.01.0189

DEPLOYMENT NOTES AND KNOWN ISSUES

MacBook Air notebooks running software prior to 10.8.4 can experience random disconnection (more noticeable during video streaming). This issue was caused by a bug in the Apple WiFi driver which has been corrected in 10.8.4 or above.

SUPPORTED WEB BROWSERS

For the AP management GUI, the following Web browsers were tested for interoperability:
- MS IE 7, IE 8.0 (8.0.6001.18702, 8.0.7600.16385, 8.0.6001.18865), IE9, IE10 (compatibility mode), IE11 (compatibility mode)
- FireFox 3.6.13, 3.6.22
- FireFox 6.0.2

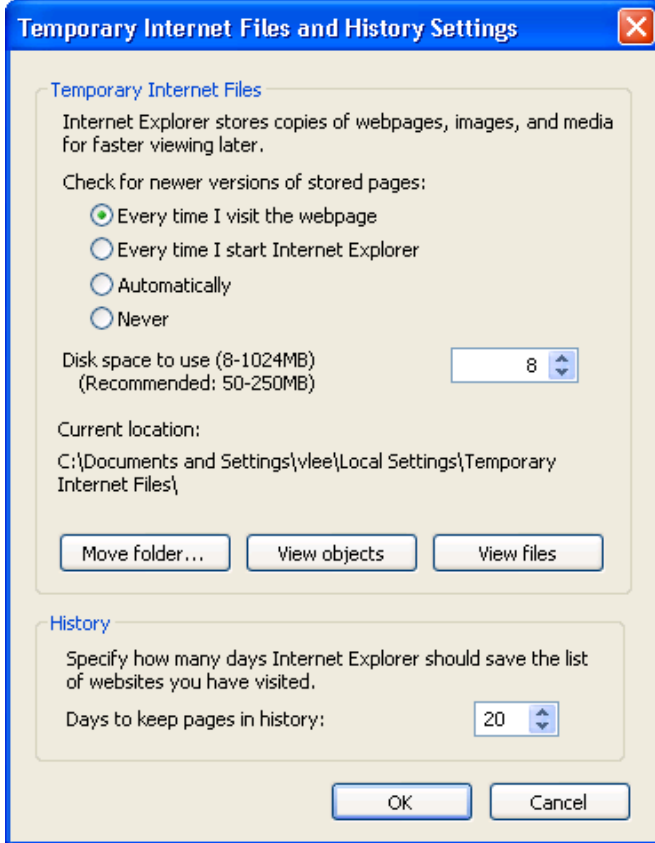Note: Google™ Chrome currently is not supported for managing the AP.

Recommended Web Browser Settings for Internet Explorer

Set the Internet Explorer options as shown in the following steps:

1. Under Tools/Internet Options/General, click the "Settings" button under "Browsing history"
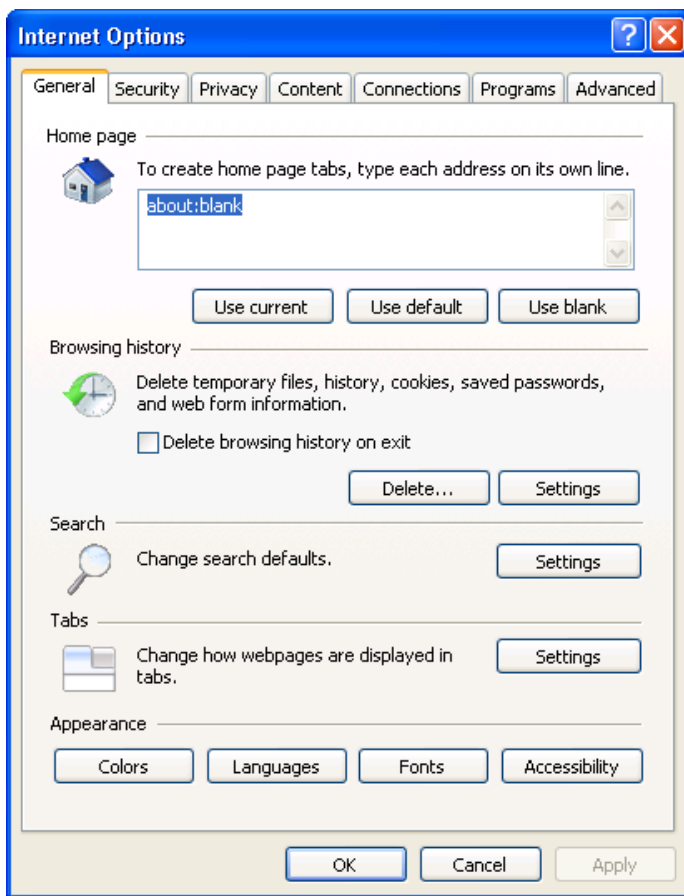
2. Under "Temporary Internet Files", select "Every time I visit the webpage"

3. Click "OK" to save the settings.

802.11N CLIENTS

The following 802.11n clients are known to work with the 8.32 software release:

Device	Radio/Mode	OS	Network adapter	Model	Driver
MiniPCIexpress	a/b/g/n	Windows XP	Intel	4965agn	13.1.1.1 and 13.4.0.139
MiniPCIexpress	a/b/g/n	Windows 7	Intel	4965agn	13.1.1.1
MiniPCIexpress	a/b/g/n	Windows 7	Intel	5300AGN	12.0.0.82 and 13.4.0.9
PCI	a/b/g/n	Windows XP	Marvell	Topdog 802.11abgn	3.0.1.18
MiniPCIexpress	a/b/g/n	Windows XP	Dell	1450 Dual Band WLAN Mini-PCI	4.100.15.5
PCI	a/b/g	Window 2003	D-link	AirXpert DWL AG520	2.4.0.73
PCI	a/b/g/n	Windows XP	Atheros	AR5004X	0.0.9.97
PCI	a/b/g/n	Windows XP	Netgear	WAG511 802.11abg	4.0.0.7097
USB	a/b/g/n	Windows 7	Linksys	WUSB300N	any
USB	a/b/g/n	Windows XP	Linksys	WUSB600N	1.4.0.18 and 1.4.10.0

Device	Model	OS	Adapter	Dot1x	Driver Version
iPad	A1396	iPad OS	Apple	Yes	6.0.9999.55
iPhone4	A1332	iPhone OS	Apple	Yes	4.3
Blackberry	Blackberry Torch	Blackberry OS v6 bundle 695	RIM	Yes	WLAN version 4.3.0.85
Dell	Dell tablet	Android	Dell	Yes	Android 2.2.1
HP Touchpad	HSTNH-129C	webOS	HP	Yes	v3.0.0
Blackberry	Playbook	Blackberry	Blackberry	Yes	1.0.7.2942
Blackberry	Bold 9000 Smartphone	Blackberry OS 4.6.0.282	RIM	Yes	5.1.2535.0
Nokia	E51	Symbian OS 9.2	Nokia	Yes	100.34.20
Axis	W211	Axis Internal OS	Axis	Yes	4.40.1
Spectralink	Netlink i640/e340	Spectralink	Spectralink	No	pd11spc.bin 089.127
WL2	WL2	WL2	TI	No	Swup70-000-65-00119.img
Samsung	Galaxy S 500	Android	Samsung	Yes	2.1-update1
Ascom	i62	i62		Yes	2.3.11
Samsung	S3	Android		No	All
Samsung	ATIV S	Windows 8.1 phone		Yes	All
Samsung	Tab 7"	Android		No	-
Microsoft	Surface RT	Windows 8 and 8.1		Yes	-
Microsoft	Surface 3	Windows 8.1		Yes	

RADIUS SERVERS AND SUPPLICANTS

RADIUS Servers Supported

Vendor	Model OS	Version
Microsoft NPS	Windows Server 2008	Version 6.0.6001.18000 Version 6.0.6002.18005
Microsoft IAS	Windows Server 2003 Enterprise Edition	IAS Version 5.2.3790.1830 IAS Version 5.2.3790.3959
	Windows Server 2000	IAS
General Public License	FreeRadius	Version 1.0.1 Version 1.1.6 Version 2.1.7
Juniper Networks®/ Funk	Steel Belted RADIUS (SBR) on Windows	Version SBR Administrator 5.3.0 build2009

802.1x Supplicants Supported

Vendor	Model OS	Version
Juniper Networks®/ Funk	Odyssey client	Version 5.10.14353.0
		Version 5.00.12709.0
		Version 4.60.49335.0
Microsoft®	Wireless Zero Configuration	Version Windows XP-4K-891859-Beta1
	Wireless Network Connection Configuration	Version Microsoft Window Server 2003, Enterprise Edition R2 SP2
	Wi-Fi Protected Access 2 (WPA2)/Wireless Provisioning Services Information Element (WPS IE) update for Windows XP with Service Pack 2	Version WindowsXP-KB893357-v2-x86-ENU.exe
Intel®	Intel PRO Set/Wireless	Version 13.0.0.x (with Windows® Intel® driver version 13.0.0.x)

LAN SWITCHES

Vendor	Model OS	Version	
Enterasys	Matrix N3-7G4282-49	Hw:1 Bp:01.00.21Fw:06.11.01.0040	VLAN, AC/AP VLAN, OSPF, LAG
	Matrix E1 IH582-25	Fw:06.11.01.0040	Tested for AP VLAN, L3 OSPF/Next Hop, AP 802.1X authentication
	G3	Fw:01.00.02.0001	Tested for VLAN/NGAP, AC/AP VLAN, LAG
Extreme	Summit 450-24P	Version 11.2.2.4	VLAN, Tested for QoS
	Summit 400-24P	Version 11.2.2.4	VLAN, Tested for QoS
	Summit 300-24	Version 7.6e1.4	AC/AP VLAN
	Summit 300-48		Tested for AP 802.1X authentication
HP	ProCurve Switch 4104GL	G.05.02	VLAN/NGAP

CERTIFICATION AUTHORITY

Server Vendor	Model OS	Version
Microsoft CA	Windows Server 2003 Enterprise Edition	5.2.3790.1830

Server Vendor	Model OS	Version
Microsoft CA	Windows Server 2008 Enterprise Edition	6.0
OpenSSL	Linux	0.9.8e

GLOBAL SUPPORT

By Phone: (603) 952-5000

1-800-872-8440 (toll-free in U.S. and Canada)
For the Enterasys Networks Support toll-free number in your country:
http://www.enterasys.com/support/contact-support.aspx

By Email: support@enterasys.com

By Web: http://www.enterasys.com/support/index.aspx

By Mail: Enterasys Networks, Inc.
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For information regarding the latest software available, recent releases note revisions, or if you require additional assistance, please visit the Enterasys Networks Support web site.