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*About Wireless-  
Nets, Ltd.*

*Jim Geier, an independent consultant (Wireless-Nets, Ltd.), shares his tutorials, tips, and news on implementing wireless networks.*

## Featuring:

### 802.11n Networks



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## Migrating to 802.11n in the enterprise

Many enterprises are either considering or in the process of implementing 802.11n wireless networks. The 802.11n standard has not yet been ratified by IEEE, but the current draft of the standard is stable with client radios and access points widely available. Now is the time to learn the peculiar nature of 802.11n solutions.

You'll find that 802.11n is much different and more complex than 802.11b/g networks. With 802.11n, it's critical to reconsider requirements, perform an 802.11n-based wireless site survey, and think about various design and installation factors. For example, in order to realize the full capacity of 802.11n, you must implement an 802.11n-only network, preferably with operation in the 5GHz band. Of course most enterprises want to make use of existing 802.11b/g client devices for a bit longer, so a mixed 802.11b/g/n network is generally the most feasible way to go. Just be sure to fully understand implications that will arise when migrating to 802.11n.

For more details on deploying 802.11n networks, review my [tutorial](#) on migrating to 802.11n in the technical resources section of my website (<http://www.wireless-nets.com/resouces>). Also consider attending my upcoming 802.11n webinar, which includes tips on migrating from 802.11b/g to 802.11n networks (see below for more details).

## Many 802.11n products now Wi-Fi certified

The list of access points and client radios that have passed Wi-Fi certification based on the 802.11n (draft 2) standard continues to grow. Wi-Fi certification indicates that two products made by a different manufacturer can be interoperable (if configured appropriately). The long list of 802.11n-certified products shows that manufacturers are serious about 802.11n. We'll probably see 802.11b/g phased out over the next few years. For a current list of 802.11n/Wi-Fi certified products, [click here](#), or visit <http://www.wi-fi-lliance.org>, and view the product list.

## 802.11n in the news

### HP plans to gain 802.11n products by acquiring Colubris

HP will incorporate Colubris products into their Procurve Networking portfolio, which will give HP a significant 802.11n product line. The acquisition positions HP in vertical markets, such as healthcare, manufacturing, and transportation.

### Airtight Networks announces plans to release 802.11n-aware intrusion detection system

Airtight networks plans to release SpectraGuard Enterprise in mid-September 2008, which will include new two-radio sensors supporting 802.11a,b,g,n technologies.

### Ruckus Releases 802.11n HD IPTV System

Ruckus has released its new MediaFlex 7000 series, which is a commercial 802.11n system for operators to wirelessly distribute multiple streams of high-definition (HD) IPTV content throughout homes.

### Drexel University plans installation of a thousand Aruba 802.11n access points

Drexel University in Philadelphia is swapping out its existing Cisco 1200 802.11b/g access points with an Aruba 802.11n solution. All 802.11n traffic will flow in the 5GHz band in order to avoid RF interference in the 2.4GHz spectrum.

For more news from the wireless industry, [click here](#) or visit [http://www.wireless-nets.com/resources/industry\\_news.html](http://www.wireless-nets.com/resources/industry_news.html)

## Implementation tips

Click on the following links or visit <http://wireless-nets.blogspot.com> for tips and opinions on implementing wireless networks:

- [Cordless phones dodge access points](#)
- [File cabinets get in the way](#)
- [Improving accuracy of RF survey measurements](#)
- [City-wide indoor signal coverage testing considerations](#)
- [Beacon interval impacts on battery life](#)
- [The fight between WiMAX and Wi-Fi](#)
- [Tips for testing municipal mesh networks indoors](#)
- [How Wi-Fi roaming really works](#)

For more tips, [click here](#), or visit <http://www.wireless-nets.com/resources/tips.html>

You can [subscribe](#) and automatically receive tips as I post them to my blog.

## Developers' corner



If you develop products based on Atheros-based chipsets, then you'll be happy to know that linux 802.11n drivers are now available. The new *ath9k* driver supports the following chipsets: AR5418+AR5133, AR5416+AR5133, AR5416+AR2133, AR9160, AR9280, and AR9281. For more details, [click here](#), or visit <http://wireless.kernel.org/en/users/Drivers/ath9k>

## Free webinar -

### ***Migrating to 802.11n in the Enterprise***

September 23, 2008 - 1 p.m. to 2 p.m. EDT (UTC - 4 hours)

In this presentation, I'll discuss the challenges of migrating to 802.11n in the enterprise and tips that you should consider for ensuring a successful migration from 802.11b/g to 802.11n networks. To register, [click here](#), or visit [http://www.wireless-nets.com/training/online\\_presentations.html](http://www.wireless-nets.com/training/online_presentations.html).

## Free download -

### ***802.1x Port-Based Authentication Concepts***

Download Chapter 2, Port-Based Authentication Concepts, of my 802.1x book free-of-charge at the following URL: [http://www.wireless-nets.com/resources/downloads/802.1x\\_C2.html](http://www.wireless-nets.com/resources/downloads/802.1x_C2.html)



### ***Implementing 802.1x Security Solutions for Wired and Wireless Networks***

Wiley Technical Publishing

By Jim Geier

[View book details](#) on amazon.com

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## About Wireless-Nets, Ltd.

Wireless-Nets offers a wide range of independent consulting and training services for developing and deploying wireless network solutions.

Services include the following:

**System Deployment** - Services that assist IT organizations and system integrators with the design, installation, testing and operational support preparations of wireless networks.

**Product Development** - Services that assist product developers with the integration of wireless network interfaces into their products.

**Training** - Services that prepare IT organizations, system integrators, and product developers with the development and deployment of wireless network solutions.

For more details regarding Wireless-Nets' services, [click here](#) or visit <http://www.wireless-nets.com>

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