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In This Issue:

Wireless Security • Smart Buildings • New Contracts • Join the DSI Team

Wireless Security: Threats, Origins, and Modern Solutions

By Ambuj Mahendra (CCIE, CWNE)



Wireless security is key to any successful wireless network operation.

There are many vulnerabilities that can exploit wireless networks for reconnaissance, compromise, degrade, or disable wireless access all together. Examples include Airsnarf attacks, rogue Access Points, honeypot & honeypotter tools, and Denial-of-Service (DoS) attacks like beacon flood, deauth flood, and some of the recent ones such as KRACK and FRAG attacks. See the Resources section for a detailed list of common attacks & signatures.

At the very least, what we typically want in our wireless network is to:

1. Detect threats immediately!
2. Have the ability to contain devices that are performing attacks.
3. Find the attack device location.
4. Keep the system signature up to date to detect new threats and improve security over time.

Our goals for this article are for you to understand the above items and help you deploy them in a Cisco wireless network environment.

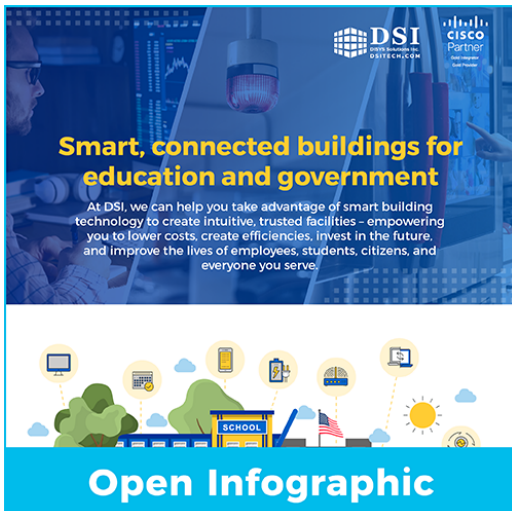
So, if this is something that interests you, then please continue on!

(ESTIMATED READ TIME: 15 MINUTES)

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DSI can help you take advantage of smart building technology to create intuitive, trusted facilities – empowering you to lower costs, create efficiencies, invest in the future, and improve the lives of employees, students, citizens, and everyone you serve. **Smart buildings aren't just for big corporations or new construction...** there are elements that can be **added to your existing facilities** to help you address some of the biggest challenges you're facing.



Smart, connected buildings for education and government

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Let's get started!

New Contract Vehicles



DSI was awarded as a vendor on the **SeaPort Next Generation (NxG) contract by the U.S. Navy** and will have the opportunity to compete for task orders in support services such as engineering and program management. Read the [press release](#) and check out [contract details](#).



DSI is now an approved vendor for **TexBuy**, a statewide purchasing cooperative hosted by Region 16 Education Service Center in Amarillo, Texas. TexBuy is THE Texas representative of the national purchasing organization AEPA (Association of Educational Purchasing Agencies). [[Contract Details](#)]



Open Positions

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