WIRELESS

The average user has two or more mobile devices connected to the network. Those devices are demanding more bandwidth with video and multimedia apps becoming the norm. Networks cannot keep up with these demands. The result is frustrated users due to dead spots, hotspots and over-engineered security.

This mobile mindset is transforming business processes and requires strategic planning to integrate the right components to fit specific environments and needs. Iron Bow works to meet this mobile demand securely and efficiently, creating a springboard for a more mature and evolved system in the future.

MANAGING THE WIRE IN WIRELESS

Wireless is a bit of a misnomer. Every wireless network does in fact have a main wire (a cable, really) that connects it to the Internet. Iron Bow Technologies begins our support of wireless by making sure that hard-wired connection is set up to support all of the wireless access points and mobile use.

The Iron Bow team works with existing infrastructure to negotiate speeds and prioritize traffic so that older cables can better support today's wireless traffic.

WIRELESS IS PHYSICAL

The goal of wireless is connectivity wherever you are in an environment. Wireless must conform to the limitations of the physical environment to meet this goal. The type of material used in building construction, how people move and work in a space, even weather patterns have a huge impact on wireless service. Iron Bow's holistic approach to wireless looks at all of these elements as physical barriers to wireless access.

WIRELESS ASSESSMENT

Whether the need is to upgrade wireless technologies or do an initial deployment in a new facility, a wireless assessment can gauge the predictability of access points and coverage gaps. Iron Bow Wireless Assessments confidently determine signal coverage, throughput requirements, interfering sources, dead spots, potential roaming behavior and more. Assessments look at:

- Gear
- Coverage
- Devices
- Security
- Configurations

We can then determine the best design and number of placements, access points for coverage and deployment approach.

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WIRELESS ENABLEMENT

Meeting access demands should not supersede security demands, but sometimes users simply need to reach out to the Internet, not private networks, to complete their work on mobile devices. Iron Bow has worked with numerous secure facilities to install secure air gap coverage allowing wireless users, be they guests or employees, to access the Internet without ever touching the network.

Prioritizing traffic types or even users ensure both security demands and Quality of Service is being met for everyone. Configurations with an eye toward security provide visibility into who is accessing networks and can allow for tiered access for different users.

SUCCESSFUL OUTCOMES

Military Recreation Facility

Guests of an Armed Forces recreation center were experiencing wireless access issues in several areas throughout the facility. An assessment showed several hotspots with a high concentration of wireless usage not supported by enough access points. A new system was designed and installed in 45 days without disrupting the operation of the resort or impacting guests. The new system was in place in time for the resort to host athletes and dignitaries attending an international sporting event. Following this engagement Iron Bow was selected to conduct similar surveys at Resort hotels in Germany, Hawaii and Korea.

University

A university campus in the middle of the forest was plagued with poor wireless connectivity. Heavy demand and a weather-related failure meant the school had to act quickly to give students and faculty the online access they needed in 29 buildings and two large science laboratories. Iron Bow implemented a solution that included self-healing access points and central management.

With this configuration the IT team can troubleshoot any problem from anywhere on campus ensuring everyone has access to on-campus Wi-Fi.

Military Hospital

The client needed a new Enterprise Class Wi-Fi infrastructure at their Las Vegas campus. The project consisted of complete installation and integration of a new wireless network that is fully operational, tuned, FIPS 140-2 compliant, highly stable and 100 percent compatible with the existing Wi-Fi solution. The Iron Bow Team designed, integrated and deployed a solution that consisted of an on-site instrumented survey of the existing wireless infrastructure at each of the six facilities. The team installed over 500 Access Points in the brand new hospital as part of the construction process covering every square inch of the facility. Upon opening, staff and visitors had fast and reliable wireless connectivity throughout the hospital, even in the stairwells.

STRONG. Long history of performing assessments to deploy the right wireless solutions for our clients.

FLEXIBLE. Assessments ensure that technology works as promised in your environment.

TARGETED. Get wireless access points exactly where your users need them at first deployment.

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