

# Wireless Threat Management: Protecting Your Business in the New Wireless Frontier

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Wireless Threat Management: Protecting Your Business in the  
New Mobile Frontier

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# Mobility Trends

Anywhere, any time  
computing driving trend  
toward portable adoption



- Over 300M wireless laptops in use
- Analysts predicts that by 2010 wireless users will overtake wired



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# Headlines

## BREAKING NEWS

TJX breach tied to Wi-Fi exploits

Source: TechTarget

Wi-Fi can leave users exposed

Source: Mercury News

Apple iPhone Update 1.1.1 Has Been Hacked

Source: InformationWeek



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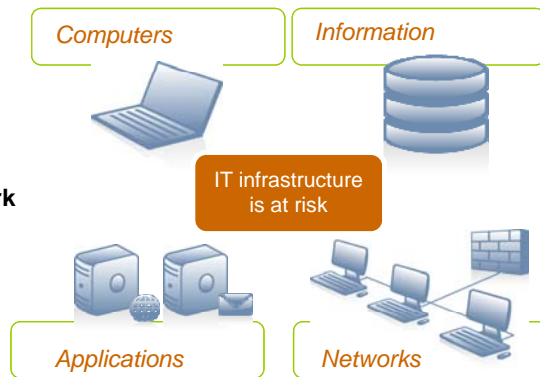
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# Measuring the Impact

Businesses are at Risk...  
whether or not  
they have a wireless network



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## Data at Risk

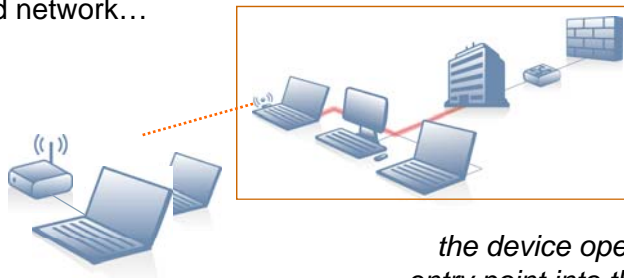
Whenever a laptop has its wireless adapter turned on...



*Information on that laptop may be at risk*

## Infrastructure at Risk

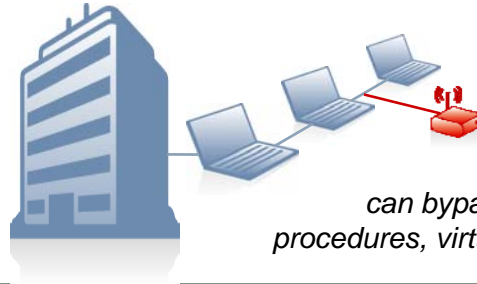
Whenever a wireless device is connected to a  
wired network...



*the device opens up a wireless  
entry point into the wired network*

## Rogue Access Points

Unauthorized wireless devices connect to the network, behind the firewall...



*can bypasses IT security procedures, virtually undetected*

## Interference

Sources of interference...



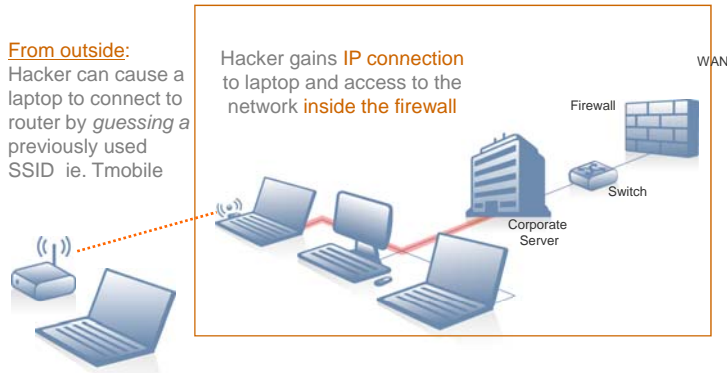
*can disrupt service to the entire wireless network*

# Attack Scenario

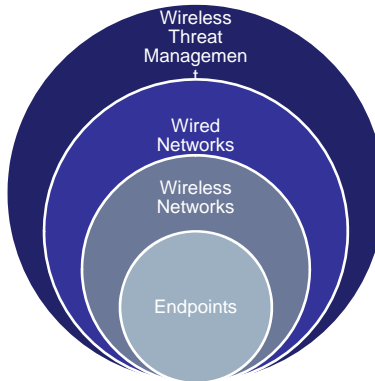
**From outside:**

Hacker can cause a laptop to connect to router by *guessing* a previously used SSID ie. Tmobile

Hacker gains IP connection to laptop and access to the network **inside the firewall**



# A Holistic Approach to Security



# Defending All Fronts

## Infrastructure Security



Infrastructure solutions secure wired networks by detecting and locating unauthorized wireless devices.

## End-Point Security



End-point solutions secure laptops - automatically disable wireless capability and limit wireless connectivity to the office network when at work.

## Policy Management



Wireless policy management solutions empower network administrators to control use of wireless devices.



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# Market Requirements



Will the solution work with deployed technologies?  
How much will it cost to deploy? Are there hidden costs?  
How many resources do I need to manage it?



Will the solution provide real-time actionable intelligence?  
Does it provide accurate device location information?  
Can I control my perimeter and access to the network?



Will the solution scale to meet future growth needs?  
Can it help me ensure service continuity?  
Will it support future 802.11 standards?



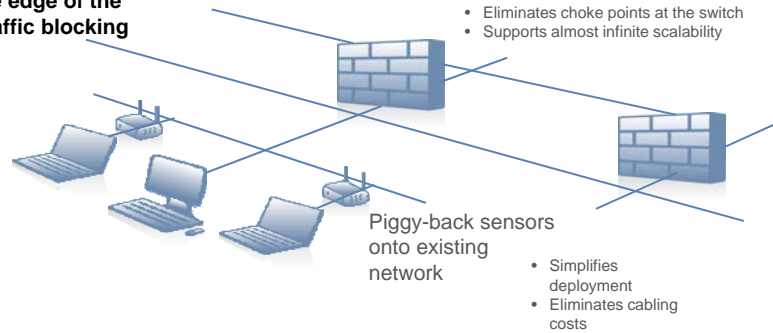
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## Cost Effective Deployment

Use industry standard firewalls at the edge of the network for traffic blocking



## Location-based

The complex block contains a grid of images and text boxes. The top row includes a 'CRIME SCENE' sign, a blurred car, and the text 'When a network is being compromised...'. The middle row features a text box asking 'Is it better to have analytical data?', a server room, a network graph, and a server rack. The bottom row shows a person in a suit, a car, and a text box asking 'Or know the actual location of the perpetrator in real-time?'. A bottom text box states 'Location-aware solutions help organizations **stop** intrusions.'



## A Next Generation Approach



- Cell phone detection
- Interference locating
- Future-ready for new 802.11 standards
- Support convergence of voice and data



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## Game-Changing Security



With a sound WTM strategy businesses can go wireless...



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## Conclusion



The right wireless threat management strategy can help enterprises:

- Address wireless threats to communications, information and infrastructure
- Eliminate new wireless security vulnerabilities before they occur
- Preserve investments in existing network infrastructure and technologies
- Simplify and lower cost for wireless deployment



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# Thank you



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