



*This is to certify that
Chris FitzGerald
has completed the course
Security and the Wireless Environment - 222741_eng
on
1/4/08*



Association for
Computing Machinery

Advancing Computing as a Science & Profession



Security and the Wireless Environment

About This Course

Overview/Description

To describe security in the wireless environment.

Target Audience:

Technical and security professionals; IT and business managers who need to learn about information security for current and emerging wireless technologies; students studying or researching wireless communications and technologies.

Requires an understanding of the basic concepts of cellular, mobile, and fixed wireless technology, the fundamental principles underpinning their operation, and the basic concepts and practices of information security.

Certification:

No Certifications for this Course.

Expected Duration:

2Hours 00 Minutes

First publication date:

This course was released August 24, 2005.

Last revision:

This course was last updated August 30, 2005.

Course Number:

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Security and the Wireless Environment

Course Objectives

Topic Name	When you have completed this topic, you should be able to
Wireless vulnerability	identify wireless vulnerabilities.
Threats to wireless security	recognize the types of threats posed to wireless security.
Securing portable wireless devices	recognize the threats to wireless devices and the methods to secure them.
Recognizing wireless threats	recognize wireless threats.
Developing and implementing a wireless security policy	recognize how to develop and implement a wireless security policy for an organization.
Incident response in operational environments	recognize how to conduct an incident response in a given situation.
Developing wireless security	recognize the factors involved in developing a wireless security policy.

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Security and the Wireless Environment

References

Books

CWSP(TM) Certified Wireless Security Professional Official Study Guide, (Exam PW0-200), Second Edition

2005, Planet3 Wireless, McGraw-Hill Osborne Media, 0072256583

Maximum Wireless Security

2002, Cyrus Peikari and Seth Fogie, Sams, 0672324881

WarDriving: Drive, Detect, Defend, A Guide to Wireless Security

2004, Chris Hurley, Michael Puchol (Editor), Russ Rogers, Frank Thornton, Syngress, 1931836035

Wireless Operational Security

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Wireless Security

2002, Merritt Maxim and David Pollino, Osborne/McGraw-Hill, 0072222867

Wireless Security and Privacy: Best Practices and Design Techniques

2002, Tara M. Swaminatha, Charles R. Elden, Addison-Wesley Professional, 0201760347

Wireless Security End to End

2002, Brian Carter and Russell Shumway, Wiley, 0764548867

Wireless Security Essentials: Defending Mobile Systems from Data Piracy

2002, Russell Dean Vines, Russell Dean Vines, Wiley, 0471209368

Wireless Security: Models, Threats, and Solutions

2001, Randall K. Nichols and Panos C. Lekkas, McGraw-Hill Professional, 0071380388

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*This is to certify that
Chris FitzGerald
has completed the course
Securing WLANs - 222970_eng
on
1/4/08*



Association for
Computing Machinery

Advancing Computing as a Science & Profession



Securing WLANs

About This Course

Overview/Description

To explain how to secure WLANs.

Target Audience:

Technical and security professionals; IT and business managers who need to learn about information security for current and emerging wireless technologies; students studying or researching wireless communications and technologies.

Requires an understanding of the basic concepts of cellular, mobile, and fixed wireless technology, the fundamental principles underpinning their operation, and the basic concepts and practices of information security.

Certification:

No Certifications for this Course.

Expected Duration:

1 Hours 55 Minutes

First publication date:

This course was released August 09, 2005.

Last revision:

This course was last updated August 09, 2005.

Course Number:

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Securing WLANs

Course Objectives

Topic Name	When you have completed this topic, you should be able to
802.11 security weaknesses	identify the security weaknesses of the 802.11 standard.
Enhancing 802.11 security with EAP	recognize how 802.1x, together with EAP, enhances 802.11 security.
Isolating an 802.11 network	distinguish between methods of segmenting a wireless LAN.
Identifying weaknesses in 802.11 security	identify the weaknesses associated with 802.11 security.
The IEEE 802.11i standard	recognize the improved security features of the IEEE 802.11i standard.
Intrusion detection in WLANs	recognize the role of an IDS in the WLAN environment.
Identifying WLAN security methods	identify the types of WLAN security mechanisms.

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Securing WLANs

References

Books

CWSP(TM) Certified Wireless Security Professional Official Study Guide, (Exam PW0-200), Second Edition

2005, Planet3 Wireless, McGraw-Hill Osborne Media, 0072256583

Maximum Wireless Security

2002, Cyrus Peikari and Seth Fogie, Sams, 0672324881

WarDriving: Drive, Detect, Defend, A Guide to Wireless Security

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*This is to certify that
Chris FitzGerald
has completed the course
Securing Future Wireless Networks - 222743_eng
on
1/4/08*



Association for
Computing Machinery

Advancing Computing as a Science & Profession



Securing Future Wireless Networks

About This Course

Overview/Description

To explain how to secure future wireless networks.

Target Audience:

Technical and security professionals; IT and business managers who need to learn about information security for current and emerging wireless technologies; students studying or researching wireless communications and technologies.

Requires an understanding of the basic concepts of cellular, mobile, and fixed wireless technology, the fundamental principles underpinning their operation, and the basic concepts and practices of information security.

Certification:

No Certifications for this Course.

Expected Duration:

1 Hours 40 Minutes

First publication date:

This course was released August 25, 2005.

Last revision:

This course was last updated August 29, 2005.

Course Number:

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Securing Future Wireless Networks

Course Objectives

Topic Name	When you have completed this topic, you should be able to
Security mechanisms in 802.16	recognize the security mechanisms in the IEEE 802.16 standard.
802.16 security weaknesses	recognize the security weaknesses in the IEEE 802.16 standard.
Identifying security concerns in 802.16	recognize the security concerns in the IEEE 802.16 standard.
Wireless security in the future	identify the security issues for wireless in the future.
Security in ad hoc networks	recognize the threats to ad hoc network security.
Identifying security issues in B3G	identify the security issues for B3G wireless and ad hoc networks.

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Securing Future Wireless Networks

References

Books

CWSP(TM) Certified Wireless Security Professional Official Study Guide, (Exam PW0-200), Second Edition

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