An accessible introduction to cybersecurity concepts and practices

_Cybersecurity Essentials_ provides a comprehensive introduction to the field, with expert coverage of essential topics required for entry-level cybersecurity certifications. An effective defense consists of four distinct challenges: securing the infrastructure, securing devices, securing local networks, and securing the perimeter. Overcoming these challenges requires a detailed understanding of the concepts and practices within each realm. This book covers each challenge individually for greater depth of information, with real-world scenarios that show what vulnerabilities look like in everyday computing scenarios. Each part concludes with a summary of key concepts, review questions, and hands-on exercises, allowing you to test your understanding while exercising your new critical skills.

Cybersecurity jobs range from basic configuration to advanced systems analysis and defense assessment. This book provides the foundational information you need to understand the basics of the field, identify your place within it, and start down the security certification path.

- Learn security and surveillance fundamentals
- Secure and protect remote access and devices
- Understand network topologies, protocols, and strategies
- Identify threats and mount an effective defense
Cybersecurity Essentials gives you the building blocks for an entry level security certification and provides a foundation of cybersecurity knowledge.

⚠️ ABOUT THE AUTHOR

About the Authors

Charles J. Brooks is co-owner and vice president of Educational Technologies Group Inc., as well as co-owner of eITPrep LLP, an online training company. Christopher Grow is the president of A.C.C.N.S. Consulting and the Technical Services manager for Educational Technologies Group L.L.C. with 20+ years of IT/IS and cyber security experience. Philip Craig is the founder of BlackByte Cyber Security, LLC, a consultancy supporting the Pacific Northwest National Laboratory (PNNL) research and national security agendas. Donald Short is the President of One World Telecommunications, Inc., an Internet Service Provider in Kennewick.

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