

Internet Security A Hands On Approach

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unique among computer security texts this book in its third edition builds on the author's long tradition of teaching complex subjects through a hands on approach for each security principle the book uses a series of hands on activities to help explain the principle readers can touch play with and experiment with the principle instead of just reading about it the hands on activities are based on the author's widely adopted seed labs which have been used by over 1000 institutes worldwide the author has also published online courses on udemy based on this book topics covered in the book include the following attacks on tcp ip and dns protocols packet sniffing and spoofing firewall and virtual private network vpn border gateway protocol bgp and attacks attacks on web applications countermeasures

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hardware security a hands on learning approach provides a broad comprehensive and practical overview of hardware security that encompasses all levels of the electronic hardware infrastructure it covers basic concepts like advanced attack techniques and countermeasures that are illustrated through theory case studies and well designed hands on laboratory exercises for each key concept the book is ideal as a textbook for upper level undergraduate students studying computer engineering computer science electrical engineering and biomedical engineering but is also a handy reference for graduate students researchers and industry professionals for academic courses the book contains a robust suite of teaching ancillaries users will be able to access schematic layout and design files for a printed circuit board for hardware hacking i e the haha board that can be used by instructors to fabricate boards a suite of videos that demonstrate different hardware vulnerabilities hardware attacks and countermeasures and a detailed description and user manual for companion materials provides a thorough overview of computer hardware including the fundamentals of computer systems and the

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