Packet Tracer Network Simulator (Professional Expertise Distilled)
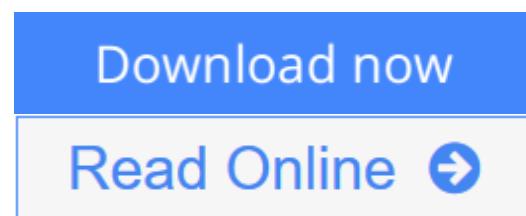
By Jesin A

Packet Tracer Network Simulator (Professional Expertise Distilled) By Jesin A

Simulate an unlimited number of devices on a network using Packet Tracer

About This Book

- Configure Cisco devices using practical examples
- Simulate networking with multiple branch offices
- Create practical networking assessments

Who This Book Is For

Packet Tracer Network Simulator is aimed at students, instructors, and network administrators who wish to use this simulator to learn how to perform networking instead of investing in expensive, specialized hardware. This book assumes that you have a good amount of Cisco networking knowledge, and it will focus more on Packet Tracer rather than networking.

What You Will Learn

- Customize network devices with modules
- Configure routers and switches using examples
- Test connectivity by visualizing packet flow
- Create wireless networks and demonstrate their range
- Develop practical networking assessments with a scoring model
- Understand VLAN, VTP, and trunking
- Assign IPv6 addresses to network and end devices
- Analyze broadcasts in simulation mode

In Detail

Packet Tracer is a powerful network simulation program that allows students to experiment with network behavior and ask "what if"• questions. As an integral part of the Networking Academy comprehensive learning experience, Packet Tracer provides simulation, visualization, authoring, assessment, and

collaboration capabilities and facilitates the teaching and learning of complex technology concepts. Packet Tracer allows you to simulate highly complex learning environments and allows you to see how packets move between different devices.

Packet Tracer Network Simulator is a practical guide that thoroughly explains the features and uses of Packet Tracer with the help of practical examples that will help you to create your own complex topologies and emulate learning environments. This book will cover using Packet Tracer with PCs, laptops, and servers, with a brief description of its usage with other end devices like tablets and televisions. You will learn about different connectors, start creating network topologies, and configure them with Cisco commands. After testing connectivity with complex PDUs, you will also be able to use the simulation mode to analyze packet flow.

This book covers advanced topics which will help you learn how to configure Cisco devices without commands. You will learn about the configuration of IPv4 and IPv6 routing and also how to troubleshoot networks by looking at the live flow of packets. The book will teach you how to set up wireless devices and how to demonstrate their proximity with physical simulation. You will also learn how to create practical networking assessments with a scoring model.

Once you've finished the book, you will be able to make the best use of your simulator to create and plan limitless network topologies. You will have a good understanding of how to use Packet Tracer to build complex topologies and also how to bring your simulations closer to reality.

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Angela Smith:

Now a day people who Living in the era everywhere everything reachable by interact with the internet and the resources inside it can be true or not require people to be aware of each information they get. How individuals to be smart in acquiring any information nowadays? Of course the correct answer is reading a book. Reading through a book can help people out of this uncertainty Information specially this Packet Tracer Network Simulator (Professional Expertise Distilled) book as this book offers you rich information and knowledge. Of course the details in this book hundred pct guarantees there is no doubt in it everbody knows.

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