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Altri autori (Persone)	HnatyshinVasil Y
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Nota di contenuto	Front Cover; Contents; Preface; Authors; OPNET Trademark Information; Chapter 1 - Getting Started with OPNET; Chapter 2 - Creating Network Topology; Chapter 3 - Configuring Network Topology; Chapter 4 - Configuring and Running a Simulation; Chapter 5 - Standard Applications; Chapter 6 - Advanced Traffic Generation Features; Chapter 7 - Specifying User Profiles and Deploying Applications; Chapter 8 - Transport Layer: TCP and UDP Protocols; Chapter 9 - Network Layer: Introduction to the IP Protocol; Chapter 10 - Advanced IP Protocol Features; Chapter 11 - Network Layer: Routing Chapter 12 - Data Link and Physical LayersLaboratory Assignment #1: Introduction to OPNET; Laboratory Assignment #2: Simple Capacity Planning; Laboratory Assignment #3: Introduction to Standard Applications; Laboratory Assignment #4: HTTP Performance; Laboratory Assignment #5: Modeling Custom Applications; Laboratory Assignment #6: Influence of the Maximum Transmission Unit on Application Performance; Laboratory Assignment #7: Transport Protocols: TCP versus UDP; Laboratory Assignment #8: TCP Features; Laboratory Assignment #9: IP Addressing and Network Address Translation Laboratory Assignment #10: Providing Quality of Service SupportLaboratory Assignment #11: Routing with RIP; Laboratory Assignment #12: Routing with OSPF; Laboratory Assignment #13:

Sommario/riassunto

This book provides a practical, hands-on reference for the most widely used computer network simulation software: OPNET. It explains how to use OPNET software packages for simulation and modeling of computer networks. The authors also provide a collection of laboratory projects, focusing on the most common simulation and modeling tasks performed by computer networking systems professionals and students who use OPNET software. The introductory labs demonstrate how to set up simulations, run them, and analyze results. More advanced labs address the simulation of networking protocols in various protocol layers and for wireless and mobile networks--