

1. Record Nr.	UNINA9910454977603321
Autore	Kosiur David R
Titolo	Understanding policy-based networking [[electronic resource] /] / Dave Kosiur
Pubbl/distr/stampa	New York, : Wiley, c2001
ISBN	1-280-34100-9 9786610341009 0-470-25208-1 0-471-01374-9
Descrizione fisica	1 online resource (369 p.)
Collana	Wiley Networking Council series
Disciplina	658/.0546
Soggetti	Business networks Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 319-325) and index.
Nota di contenuto	Understanding Policy-Based Networking; Contents; Networking Council Foreword; Acknowledgments; Introduction; Part One A New Network Management Paradigm; Chapter 1 New Services, New Requirements; Business Quality Networks; Shifting from Network Access to Services; Managing Network Elements; Policy-Based Networking: Managing Networks as Systems; Summary; Chapter 2 Introduction to Policy-Based Networking; The Philosophy behind Policy-Based Networking; What's Required for Policy-Based Networking?; Policies versus Decisions; The Components of Policy-Based Networking Systems; Summary Part Two The Components of Policy-Based Networking Chapter 3 What Are Policies?; Policy Structure; Types of Policies; Representing Policies; Summary; Chapter 4 Architectures for Policy-Based Networking; Functional Building Blocks; Intercomponent Communications; Flavors of Policy Systems; Outsourcing versus Provisioning; Scaling, Redundancy, and Fault Tolerance; Summary; Chapter 5 Creating and Managing Policies; Basic Functions; Extended Functions; Issues; Basic Requirements; Summary; Chapter 6 The Policy Repository; Basic Functions; Extended Functions; A Brief Introduction to Directories An Overview of Relational Databases Issues; Basic Requirements;

Summary; Chapter 7 The Policy Decision Point; Basic Functions; Extended Functions; Methods for Distributing Device-Dependent Policies; Issues; Basic Requirements; Summary; Chapter 8 Policy Enforcement Points; Classes of Policy Enforcement Points; Issues; Selecting PEPs for Policy-Based Networking; Summary; Chapter 9 Monitoring Network Behavior and Policies; Providing Feedback to Policy-Based Networking Systems; Monitoring Network Behavior; Service-Level Agreements and Policy Goals
Integrating Monitoring with Policy-Based Networking
Monitoring Policies; Summary; Chapter 10 An Example of Policy Processing; The Scenario; Business-Level Policies; Policy Schema Representation; Conversion to Policy-Based Configurations; Summary; Chapter 11 The Role of Standards in Policy-Based Networking; The Value of Standards; Sharing Policies among Organizations; Sharing Policies among Policy Domains; Sharing Information among PDPs; Supporting Multivendor Networks; Summary; Chapter 12 Directory-Enabled Networks Initiative; DEN, Common Information Model, and Policy-Based Networking
What Is the Directory-Enabled Networks Initiative? Components of DEN; Common Information Model; The Distributed Management Task Force and DEN; DEN Usage in the Industry; Summary; Part Three Applications of Policy-Based Networking; Chapter 13 An Introduction to Quality of Service; The Need for Quality of Service; Quality of Service Basics; Integrated Services; Differentiated Services; The Roles of RSVP and DiffServ; Summary; Chapter 14 Policies for Quality of Service; Policies for Signaled Quality of Service; Policies for Provisioned Quality of Service; Bandwidth Brokers
Combining Signaled and Provisioned Quality of Service

Sommario/riassunto

Get the big picture on policy networking with this guide from one of the leaders of policy-based standards efforts With the advent of policy servers, network administrators no longer have to create data traffic rules (policy) by hand. This book will sort out the hype from the reality for this important advance in networking. The authors provide examples and case studies as well as product roadmaps and suggestions for possible migration paths from the old labor-intensive management to next-generation PBNs (policy-based networks). Readers will learn more about the first network services
