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Nota di contenuto   Architectures -- The Architecture of ALIEN -- Designing Interfaces for Open Programmable Routers -- RCANE: A Resource Controlled Framework for Active Network Services -- The Protean Programmable Network Architecture: Design and Initial Experience -- A Dynamic Pricing Framework to Support a Scalable, Usage-Based Charging Model for Packet-Switched Networks -- Active Information Networks and XML -- Policy Specification for Programmable Networks -- A Self-Configuring Data Caching Architecture Based on Active Networking Techniques -- Interference and Communications among Active Network Applications -- Platforms -- The Grasshopper Mobile Agent Platform Enabling Shortterm Active Broadband Intelligent Network Implementation -- LARA: A Prototype System for Supporting High Performance Active Networking -- A Programming Interface for Supporting IP Traffic Processing -- New Generation of Control Planes in Emerging Data Networks -- An Active Networks Overlay Network (ANON) -- Autonomy and Decentralization in Active Networks: A Case Study for Mobile Agents -- Towards Active Hardware -- The Impact of Active Networks on Established Network Operators -- Active Management and Control -- Using Active Processes as the Basis for an Integrated Distributed Network Management Architecture -- ANMAC:

An Architectural Framework for Network Management and Control Using Active Networks -- An Active Network Approach to Efficient Network Management -- Virtual Networks for Customizable Traffic Treatments -- Flexible Network Management Using Active Network Framework -- Managing Spawned Virtual Networks -- Active Organisations for Routing -- A Dynamic Interdomain Communication Path Setup in Active Network -- Active Network Challenges to TMN -- Survivability of Active Networking Services -- Security -- A Secure Plan -- Control on Demand -- Agent Based Security for the Active Network Infrastructure.

Sommario/riassunto	This book constitutes the refereed proceedings of the First International Workshop on Active Networks, IWAN'99, held in Berlin, Germany in June/July 1999. The 30 revised full papers presented were carefully reviewed and selected from a total of 80 submissions. The book is divided in sections on networks architectures, platforms, active management and control, and security. All in all, this book provides a unique state-of-the-art account of architectural aspects, technologies, and prototype systems that will impact the way future networked businesses will be created and managed.