1. Record Nr. UNINA9910767577403321

Titolo	Active Networks : IFIP-TC6 Third International Working Conference, IWAN 2001, Philadelphia, PA, USA, September 30-October 2, 2001. Proceedings / / edited by Ian W. Marshall, Scott Nettles, Naoki Wakamiya
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45451-9
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (X, 170 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2207
Disciplina	004.6
Soggetti	Computer networks Software engineering Application software Management information systems Computer science Electrical engineering Computer Communication Networks Software Engineering Information Systems Applications (incl. Internet) Management of Computing and Information Systems Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	AEGIS: An Active-Network-Powered Defense Mechanism against DDoS Attacks -- Active Networking Support for the Grid -- Fast and Secure Packet Processing Environment for Per-Packet QoS Customization -- Programmable Remote Traffic Monitoring Method Using Active Network Approach -- Deploying an Active Voice Application on a Three-Level Active Network Node Architecture -- Component Selection for Heterogeneous Active Networking -- Practical Network Applications on a Lightweight Active Management Environment -- Adaptive Stream Multicast Based on IP Unicast and Dynamic CommercialAttachment

Mechanism: An Active Network Implementation -- Compiling PLAN to SNAP -- The Octopus Network Model: Opening Up the Internet to Active and Programmable Network Implementations.

Sommario/riassunto

This volume of the LNCS series contains the papers accepted for presentation at the Third IFIP international working conference on active networks (IWAN 2001). The workshop was held at the Sheraton University City Hotel, in Philadelphia USA, and was hosted by the University of Pennsylvania. Active networks aim to ease the introduction of network services by adding dynamic programmability to network devices such as routers, and making aspects of the programmability accessible to users. Active networks research has focused on the development and testing of active techniques, that enable dynamic programmability in a networked environment. These techniques have a wide variety of applications. At IWAN 2001 we aimed to bring together members of the various communities using active and related techniques, and provide a forum for discussion and collaboration, involving researchers, developers, and potential users. Papers presented at IWAN 2001 covered the application of active techniques to many aspects of network based communication, including active multicast, active QoS, active security, active GRIDs, and active management. In addition, there were papers on architectures, language, and API issues. Although there were only 22 submissions, the standard of the 10 accepted papers was very high. This indicated clearly a substantial amount of ongoing high quality research in active networking, despite the current unfavorable economic conditions in the telecommunications industry. The papers also demonstrated that the research is genuinely global, and justifies an international workshop of this type. We would like to thank all the authors who submitted their work.