DESCRIPTION

Find out how IAX can complement SIP to overcome complications encountered in current SIP-based communications

Written by an expert in the field of telecommunications, this book describes the Inter-Asterisk Exchange protocol (IAX) and its operations, discussing the main characteristics of the protocol including NAT traversal, security, IPv6 support, interworking between IPv4 and IPv6, interworking with SIP and many others. The author presents the ways in which IAX can be activated so as to avoid complications such as NAT and the presence of intermediary boxes in operational architectures. This book analytically demonstrates the added values of IAX protocol compared to existing ones, while proposing viable deployment scenarios that assess the behavior of the protocol in operational networks.

Key Features:

- Promotes a viable alternative protocol to ease deployment of multimedia services

- Analyses the capabilities of the IAX protocol and its ability to meet VoIP service provider requirements, and provides scenarios of introducing IAX within operational architectures
Addresses the advantages and disadvantages of SIP, and Details the features of IAX that can help, in junction with SIP, to overcome various disadvantages of SIP

- Explores the added values of IAX protocol compared to existing protocols
- Discusses the compatibility of new adopted architectures and associated protocols

This book will be a valuable reference for service providers, protocol designers, vendors and service implementers. Lecturers and advanced students computer science, electrical engineering and telecoms courses will also find this book of interest.

ABOUT THE AUTHOR

Mohamed Boucadair completed his degree at the Ecole Nationale Supérieure d’Ingénieur de Caen (Institut des Sciences de la Matière et des Rayonnements.) He currently works for France Telecom R&D and is part of the team working on VoIP services. He has previously been involved in IST research projects (TEQUILA, MESCAL, AGAVE), working on dynamic provisioning and inter-domain traffic engineering. Boucadair has also worked as an R&D engineer in charge of dynamic provisioning, QoS, multicast and intra/inter-domain traffic engineering. He has published many journal articles and written extensively on these subject areas.

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