



Avaya IP Telephony Implementation Guide

Communication Manager

Avaya Labs

ABSTRACT

This application note gives implementation guidelines for the Avaya MultiVantage™ product suite. Configurations and recommendations are given for various Avaya™ Media Servers and Gateways, as well as the Avaya™ 4600 Series IP Telephones. This document also provides information on virtual local area networks (VLAN), and guidelines for configuring Avaya and Cisco networking equipment in VoIP applications.

The intent of this document is to provide training on IP telephony, and to give guidelines for implementing Avaya solutions. It is intended to supplement the product documentation, not replace it.

This document covers Avaya™ Communication Manager software, with only limited reference to previous software versions. It also covers Avaya 4600 series IP telephone R1.61 and later.

Application Note

May 2003

COMPAS ID 95180

Avaya Ip Telephony Implementation Guide 2012

R Bogdan



Avaya Ip Telephony Implementation Guide 2012:

Packet Guide to Voice over IP Bruce Hartpence, 2013-02-26 Go under the hood of an operating Voice over IP network and build your knowledge of the protocols and architectures used by this Internet telephony technology With this concise guide you ll learn about services involved in VoIP and get a first hand view of network data packets from the time the phones boot through calls and subsequent connection teardown With packet captures available on the companion website this book is ideal whether you re an instructor student or professional looking to boost your skill set Each chapter includes a set of review questions as well as practical hands on lab exercises Learn the requirements for deploying packetized voice and video Understand traditional telephony concepts including local loop tip and ring and T carriers Explore the Session Initiation Protocol SIP VoIP s primary signaling protocol Learn the operations and fields for VoIP s standardized RTP and RTCP transport protocols Delve into voice and video codecs for converting analog data to digital format for transmission Get familiar with Communications Systems H 323 SIP s widely used predecessor Examine the Skinny Client Control Protocol used in Cisco VoIP phones in networks around the world

PBX Systems for IP Telephony Allan Sulkin, 2001-12-22 Calling all telecom managers datacom managers with voice responsibilities Call Center managers VoIP implementers network integrators product and service developers industry analysts Clear and precise analysis and discussion of PBX system design and capabilities Allan Sulkin has a unique ability to explain complex systems in easily understandable terms Joe Licata President Siemens Enterprise Networks A welcome addition to the bookshelf for anyone interested in the evolving IP PBX system Voice and data communications managers alike will greatly benefit from this text Michael Thurk Avaya Group Vice President Systems Allan Sulkin s solid expertise and critical insight has been a valuable resource for the telecommunications community for over 20 years He is uniquely qualified to articulate the very complex subject of PBX and IP telephony Kanji Suzuki former EVP of NEC America and current president and CEO of NEC Infrontia Inc The most efficient and economical ways to bring enterprise communication systems into the Digital Age are in this guide written by the foremost analyst in the market space In PBX Systems for IP Telephony Allan Sulkin consultant and advisor to Avaya Siemens Cisco NEC Alcatel and other world class companies evaluates technologies markets and best practices for enterprise voice systems messaging and customer contact centers The heart and brains of your communications network the PBX Private Branch Exchange can be the vital link or the missing link that interfaces businesses and their customers This guide from the recognized expert in telephony systems provides answers Whether you need to IP enable a PBX system for a small business make complex choices for the advanced call center or gain the expertise to integrate a variety of communication systems into a state of the art foundation for your e business vision PBX Systems for IP Telephony should be your first choice Here s why No one knows PBX systems and markets better than the author and no one is better at explaining them This comprehensive resource supplies nuts and bolts information on costs performance risks and other real world considerations difficult to

research You get insights into the potential strengths and weaknesses of next generation PBX systems You ll consult the consultant to the system designers for practical advice on systems that fit your needs and your future There s no more business aware or user friendly guide anywhere to converging your voice systems with your IP based data systems When it comes to the PBX the question often seems to be Who s job is it anyway With this guidebook you ll be ready to take the responsibility and get the credit

Cisco IP Telephony ,2004 The Road to IP Telephony Stephanie Carhee,Cisco Systems,2004-06-28 A complete IP Telephony migration planning guide Includes Steps to Success Poster It s everyone s must have This is a reference book for the entire project team who works on the deployment of an IP Telephony solution Take advantage of best practices Includes more than 200 best practices lessons learned and tips for getting you through your IP Telephony deployment successfully Minimize risk and learn from the mistakes of others Read the list of the top 10 things that can go wrong during an IP Telephony deployment Ask the right questions Get the project team thinking and collaborating together with Stephanie s Checklist of Questions to Ask the Project Team Use proven planning tools Work from sample checklists templates project plans and workflow documents to guide your planning process Keep the Steps to Success on the minds of your project team Use the enclosed poster which illustrates every major step associated with an IP Telephony deployment There is no better path to the successful implementation of a new technology than to follow in the experienced footsteps of an organization that has already been there The Road to IP Telephony tells you how Cisco Systems successfully moved its own organization to a converged enterprise wide network You will learn the implementation and operational processes what worked what didn t work and how to develop your own successful methodology After presenting this topic to hundreds of Cisco customers including Fortune 500 companies Stephanie Carhee consistently encountered the same question If I decide to move to IP Telephony where do I begin and what can I do to ensure that I do it right the first time Although the needs of every enterprise are different some things are universal planning communication teamwork and understanding your user s requirements are as important as technical expertise The Road to IP Telephony shares with you everything you need to know about managing your deployment It starts with where to begin including what needs to be addressed before you even begin the planning process to building your project team Key best practices are also offered to help you set the project s pace and schedule get your users on board identify a migration strategy develop a services and support strategy and work toward the final PBX decommission Cisco IT wants to share its implementation experience with Cisco customers and partners to aide in the deployment practices of new Cisco technologies While conducting our own company wide cutover we learned a great deal about what to do and what not to do This book shares our experiences Brad Boston Senior Vice President and Chief Information Officer Cisco Systems Inc This volume is in the Network Business Series offered by Cisco Press Books in this series provide IT executives decision makers and networking professionals with pertinent information on today s most important technologies and business strategies

Switching to VoIP Ted

Wallingford,2005-06-30 Based on real world experience this handy solutions manual addresses the most common VoIP migration challenges Find out how to build your own VoIP system install it and begin making calls so you can start saving today Ideal for IT managers network engineers and system administrators The Road to IP Telephony ,2004 **PBX Systems for IP Telephony** ,2002 Calls all telecom managers datacom managers with voice responsibilities Call Center managers VoIP implementers network integrators product and service developers industry analysts Clear and precise analysis and discussion of PBX system design and capabilities Allan Sulkin has a unique ability to explain complex systems in easily understandable terms Joe Licata President Siemens Enterprise Networks A welcome addition to the bookshelf for anyone interested in the evolving IP PBX system Voice and data communications managers alike will greatly benefit from this text Michael Thurk Avaya Group Vice President Systems Allan Sulkin s solid expertise and critical insight has been a valuable resource for the telecommunications community for over 20 years He is uniquely qualified to articulate the very complex subject of PBX and IP telephony Kanji Suzuki former EVP of NEC America and current president and CEO of NEC Infrontia Incorporation The most efficient and economical ways to bring enterprise communication systems into the Digital Age are in this guide written by the foremost analyst in the markret space In PBX Systems for IP Telephony Allan Sulkin consultant and advisor to Avaya Siemens Cisco NEC Alcatel and other world class companies evaluates technologies markets and best practices for enterprise voice systems messaging and customer contact centers The heart and brains of your communications network the PBX Private Branch Exchange can be the vital link or the missing link that interfaces businesses and their customers This guide from the recognized expert in telephony systems provides answers Whether you need to IP enable a PBX system for a small business make complex choices for the advanced call center or gain the expertise to integrate a variety of communication systems into a state of the art foundation for your e business vision PBX Systems for IP Telephony should be your first choice Here s why no one knows PBX systems and markets better than the author and no one is better at explaining them This comprehensive resource supplies nuts and bolts information on costs performance risks and other real world considerations difficult to research You get insights into the potential strengths and weaknesses of next generation PBX systems You ll consult the consultant to the system designers for practical advice on systems that fit your needs and your future There s no more business aware or user friendly guide anywhere to converging your voice systems with your IP based data systems When it comes to the PBX the question often seems to be Who s job is it anyway With this guidebook you ll be ready to take the responsibility and get the credit Cisco IP Telephony Ramesh Kaza,2005 **Centrex Or PBX** John R. Abrahams, Mauro Lollo,2003 Annotation The current trend for business telecommunications is to Internet protocol telephony which integrates voice video and data traffic This new book offers guidance to those who have the responsibility to manage design and upgrade data networks to carry IP telephony The book describes the IP Centrex option of having the telephone company take responsibility for the service delivery **Cisco Ip Telephony** Ramesh Kaza,2005-02-01

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