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Chris Van Wagner

*Cisco IOS 12.0 Bridging and IBM Network Solutions* Cisco Systems, Inc,1999 Cisco IOS 12.0 Bridging and IBM Network Solutions contains configuration scenarios and command reference information that demonstrate bridging and IBM networking options. Written for network administrators, this guide explores transparent and source-route transparent bridging, Source-Route Bridging (SRB), data link switching plus (DLSw+), serial tunnel and block serial tunnel, SDLC and LLC2 parameters, and advanced peer-to-peer networking.

IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 3 High Availability, Scalability, and Performance Mike Ebbers, Rama Ayyar, Octavio L. Ferreira, Yohko Ojima, Gilson Cesar de Oliveira, Mike Riches, Maulide Xavier, IBM Redbooks, 2014-01-27 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and missioncritical enterprise-wide applications. The IBM System z<sup>®</sup>, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for even more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication is for people who install and support z/OS Communications Server. It starts with a discussion of virtual IP addressing (VIPA) for high-availability, with and without a dynamic routing protocol. It describes several workload balancing approaches with the z/OS Communications Server. It also explains optimized Sysplex Distributor intra-sysplex load balancing. This function represents improved application support using optimized local connections together with weight values from extended Workload Manager (WLM) interfaces. Finally, this book highlights important tuning parameters and suggests parameter values to maximize performance in many client installations.

**IBM z/OS V2R1 Communications Server TCP/IP Implementation Volume 3: High Availability, Scalability, and Performance** Rufus P. Credle Jr., Uma Maheswari Kumaraguru, Gilson Cesar de Oliveira, Micky Reichenberg, Georg Senfleben, Rutsakon Techo, Maulide Xavier, IBM Redbooks, 2017-04-07 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. IBM System z®, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing information technology and driving requirements for even more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP. This IBM Redbooks® publication is for people who install and support z/OS

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IBM z/OS V1R11 Communications Server TCP/IP Implementation Volume 3: High Availability, Scalability, and Performance Bill White, Mike Ebbers, Demerson Cilloti, Gwen Dente, Sandra Elisa Freitag, Hajime Nagao, Carlos Bento Nonato, Frederick James Rathweg, Micky Reichenberg, Maulide Xavier, Thanks to the following people, IBM Redbooks, 2010-02-22 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. The IBM System z<sup>®</sup>, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors, providing, among many other capabilities, world-class, stateof-the-art, support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer, organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. In this IBM Redbooks® publication, we begin with a discussion of Virtual IP Addressing (VIPA), a TCP/IP high-availability approach that was introduced by the z/OS Communications Server. We then show how to use VIPA for high availability, both with and without a dynamic routing protocol. We also discuss a number of different workload balancing approaches that you can use with the z/OS Communications Server. We also explain the optimized Sysplex Distributor intra-sysplex load balancing. This function represents improved multitier application support using optimized local connections together with weight values from extended Workload Manager (WLM) interfaces. Finally, we highlight the most important tuning parameters and suggest parameter values that we observed to maximize performance in many client installations. For more specific information about z/OS Communications Server base functions, standard applications, and security, refer to the other volumes in the series: -- IBM z/OS V1R11 Communications Server TCP/IP Implementation Volume 1: Base Functions, Connectivity, and Routing, SG24-7798 -- IBM z/OS V1R11 Communications Server TCP/IP Implementation Volume 2: Standard Applications, SG24-7799 -- IBM z/OS V1R11 Communications Server TCP/IP Implementation Volume 4: Security and Policy-Based Networking, SG24-7801 For comprehensive descriptions of the individual parameters for setting up and using the functions described in this book, along with step-by-step checklists and supporting examples, refer to the following publications: -- z/OS Communications Server: IP Configuration Guide, SC31-8775 -- z/OS Communications Server: IP Configuration Reference, SC31-8776 -- z/OS Communications Server: IP User's Guide and Commands, SC31-8780 This book does not duplicate the information in those publications. Instead, it complements them with practical implementation scenarios that can be useful in your environment. To determine at what level a specific function was introduced, refer to z/OS Communications Server: New Function Summary, GC31-8771. For complete details, we encourage you to review the documents referred to in Related publications on page 303.

IBM z/OS V2R2 Communications Server TCP/IP Implementation: Volume 2 Standard Applications Bill White, Octavio Ferreira, Teresa

Missawa,Teddy Sudewo,IBM Redbooks,2016-09-21 For more than 50 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. IBM System z®, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-of-the-art support for the TCP/IP Internet Protocol suite. TCP/IP is a large and evolving collection of communication protocols that are managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for even more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance for enabling the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication provides useful implementation scenarios and configuration recommendations for many of the TCP/IP standard applications that z/OS Communications Server supports.

IBM z/OS V1R12 Communications Server TCP/IP Implementation: Volume 3 High Availability, Scalability, and Performance Mike Ebbers, Rama Ayyar, Octavio L. Ferreira, Gazi Karakus, Yukihiko Miyamoto, Joel Porterie, Andi Wijaya, IBM Redbooks, 2011-05-04 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. The IBM System z<sup>®</sup>, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors, providing, among many other capabilities, world-class, state-of-the-art, support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. In this IBM Redbooks® publication, we begin with a discussion of Virtual IP Addressing (VIPA), a TCP/IP high-availability approach that was introduced by the z/OS Communications Server. We then show how to use VIPA for high availability, both with and without a dynamic routing protocol. We also discuss a number of different workload balancing approaches that you can use with the z/OS Communications Server. We also explain the optimized Sysplex Distributor intra-sysplex load balancing. This function represents improved multitier application support using optimized local connections together with weight values from extended Workload Manager (WLM) interfaces. Finally, we highlight the most important tuning parameters and suggest parameter values that we observed to maximize performance in many client installations.

*TCP/IP Tutorial and Technical Overview* Lydia Parziale,Dr. Wei Liu,Carolyn Matthews,Nicolas Rosselot,Chuck Davis,Jason Forrester,David T. Britt,IBM Redbooks,2006-12-19 The TCP/IP protocol suite has become the de facto standard for computer communications in today's networked world. The ubiquitous implementation of a specific networking standard has led to an incredible dependence on the applications enabled by it. Today, we use the TCP/IP protocols and the Internet not only for entertainment and information, but to conduct our business by performing transactions, buying and selling products, and delivering services to customers. We are continually extending the set of applications that leverage TCP/IP, thereby driving the need for further infrastructure support. It is our hope that both the novice and the expert will find useful information in this publication.

Mainframe from Scratch: Hardware Configuration and z/OS Build Keith Winnard, Bertus Bekker, Rafael Carvalho A. Lima, Nilkanth Patwardhan, Zheng Zhao, Hui Zhou, IBM Redbooks, 2016-12-22 This IBM® Redbooks® publication helps you install, customize, and configure an IBM z13® and build z/OS® environments. This book is intended for those readers who are new to the platform and are faced with the task of installing a mainframe for the first time. By the term mainframe in this instance, we refer to the hardware and the system software. The intention is to show you how this installation can be done. Volume 1 shows you how we set up a mainframe and installed z/OS V2R2 and IBM DB2® V11. The starting point is a basic hardware configuration of an IBM z13 and DS8000® as shipped from the factory. Volume 1 shows you how the following milestones were achieved: Creating a configuration for the Customized Offering Driver (COD) system Stand-alone restoration of the COD Expanding the configuration Installing the z/OS V2R2 ServerPac Loading and running IVPs for z/OS ServerPac Installing DB2 ServerPac and IVPs This publication includes figures that show you how the initial builds were achieved. For this book, we designed a scenario and show you how it can be done and samples and downloadable materials that you can choose to modify to bring you closer to meeting your needs. This book is divided into the following parts: Part 1: Overview and Planning In this part, we introduce you to how we approached the project. Part 2: Configuration and builds In this part, we describe the tasks that must be completed to create the initial build for the scenario that is described in Part 1.

IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 2 Standard Applications Mike Ebbers, Rama Ayyar, Octavio L. Ferreira, Yohko Ojima, Gilson Cesar de Oliveira, Mike Riches, Maulide Xavier, IBM Redbooks, 2011-12-27 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprisewide applications. The IBM System z<sup>®</sup>, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors, providing, among many other capabilities, world-class, state-of-the-art, support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer, organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication provides useful implementation scenarios and configuration recommendations for many of the TCP/IP standard applications that z/OS Communications Server supports. For more specific information about z/OS Communications Server standard applications, high availability, and security, see the other volumes in the series: IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 1 Base Functions, Connectivity, and Routing, SG24-7996 IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 3 High Availability, Scalability, and Performance, SG24-7998 IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 4 Security and Policy-Based Networking, SG24-7999 For comprehensive descriptions of the individual parameters for setting up and using the functions that we describe in this book, along with step-by-step checklists and supporting examples, see the following publications: z/OS Communications Server: IP Configuration Guide, SC31-8775 z/OS Communications Server: IP Configuration Reference, SC31-8776 z/OS Communications Server: IP User's Guide and Commands, SC31-8780 This book does not duplicate the information in those publications. Instead, it complements them with practical implementation scenarios that can be useful in your environment. To determine at what level a specific function

was introduced, see z/OS Communications Server: New Function Summary, GC31-8771. For complete details, we encourage you to review the documents that are listed in the additional resources section at the end of each chapter.

*The Next Generation of Distributed IBM CICS* Raghavendran Srinivasan,Janaki Sundar,Prashanth Bhat,Nageswararao V Gokavarapu,Ashwini Deshpande,IBM Redbooks,2015-06-03 This IBM® Redbooks® publication describes IBM TXSeries® for Multiplatforms, which is the premier IBM distributed transaction processing software for business-critical applications. Before describing distributed transaction processing in general, we introduce the most recent version of TXSeries for Multiplatforms. We focus on the following areas: The technical value of TXSeries for Multiplatforms Core components of TXSeries Common TXSeries deployment scenarios Deployment, development, and administrative choices Technical considerations It also demonstrates enterprise integration with products, such as relational database management system (RDBMS), IBM WebSphere® MQ, and IBM WebSphere Application Server. In addition, it describes system customization, reviewing several features, such as capacity planning, backup and recovery, and high availability (HA). We describe troubleshooting in TXSeries. We also provide details about migration from version to version for TXSeries. A migration checklist is included. We demonstrate a sample application that we created, called BigBlueBank, its installation, and the server-side and client-side programs. Other topics in this book include application development and system administration considerations. This book describes distributed IBM Customer Information Control System (IBM CICS®) solutions, and how best to develop distributed CICS applications.

**IBM z/OS V2R1 Communications Server TCP/IP Implementation Volume 2: Standard Applications** Rufus P. Credle Jr., Uma Maheswari Kumaraguru, Gilson Cesar de Oliveira, Micky Reichenberg, Georg Senfleben, Rutsakon Techo, Maulide Xavier, IBM Redbooks, 2013-12-17 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the worlds computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. IBM System z®, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class, state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP. This IBM Redbooks® publication provides useful implementation scenarios and configuration recommendations for many of the TCP/IP standard applications that z/OS Communications Server supports.

*IBM z/OS V2R2 Communications Server TCP/IP Implementation: Volume 3 High Availability, Scalability, and Performance* Bill White,Octavio Ferreira,Teresa Missawa,Teddy Sudewo,IBM Redbooks,2017-04-07 For more than 50 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. IBM z SystemsTM platform, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-of-the-art support for the TCP/IP protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for

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IBM z/OS V2R1 Communications Server TCP/IP Implementation Volume 4: Security and Policy-Based Networking Rufus P. Credle Jr., Uma Maheswari Kumaraguru, Gilson Cesar de Oliveira, Micky Reichenberg, Georg Senfleben, Rutsakon Techo, Maulide Xavier, IBM Redbooks, 2016-02-10 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. IBM System z<sup>®</sup>, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication is for people who install and support z/OS Communications Server. It explains how to set up security for your z/OS networking environment. Network security requirements have become more stringent and complex. Because many transactions are from unknown users and untrusted networks, careful attention must be given to host and user authentication, data privacy, data origin authentication, and data integrity. Also, because security technologies are complex and can be confusing, we include helpful tutorial information in the appendixes of this book.

*IBM z/OS V1R11 Communications Server TCP/IP Implementation Volume 4: Security and Policy-Based Networking* Bill White,Mike Ebbers,Demerson Cilloti,Gwen Dente,Sandra Elisa Freitag,Hajime Nagao,Carlos Bento Nonato,Matt Nuttall,Frederick James Rathweg,Micky Reichenberg,Andi Wijaya,Maulide Xavier,IBM Redbooks,2010-04-26 Note: This PDF is over 900 pages, so when you open it with Adobe Reader and then do a Save As, the save process could time out. Instead, right-click on the PDF and select Save Target As. For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. The IBM System z®, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors, providing, among many other capabilities, world-class, state-of-the-art, support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer, organization. Because of its openness, the TCP/IP protocol

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IBM z/OS V1R13 Communications Server TCP/IP Implementation: Volume 4 Security and Policy-Based Networking Mike Ebbers, Rama Ayyar, Octavio L. Ferreira, Yohko Ojima, Gilson Cesar de Oliveira, Mike Riches, Maulide Xavier, IBM Redbooks, 2016-02-10 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. The IBM System z®, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for even more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication explains how to set up security for the z/OS networking environment. Network security requirements have become more stringent and complex. Because many transactions come from unknown users and untrusted networks, careful attention must be given to host and user authentication, data privacy, data origin authentication, and data integrity. We also include helpful tutorial information in the appendixes of

IBM z/OS V2R2 Communications Server TCP/IP Implementation: Volume 4 Security and Policy-Based Networking Bill White, Octavio

Ferreira, Teresa Missawa, Teddy Sudewo, IBM Redbooks, 2017-03-21 For more than 50 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases, and mission-critical enterprise-wide applications. IBM z® Systems, the latest generation of the IBM distinguished family of mainframe systems, has come a long way from its IBM System/360 heritage. Likewise, its IBM z/OS® operating system is far superior to its predecessors in providing, among many other capabilities, world-class and state-ofthe-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication is for people who install and support z/OS Communications Server. It explains how to set up security for your z/OS networking environment. With the advent of TCP/IP and the Internet, network security requirements have become more stringent and complex. Because many transactions are from unknown users and untrusted networks such as the Internet, careful attention must be given to host and user authentication, data privacy, data origin authentication, and data integrity. Also, because security technologies are complex and can be confusing, we include helpful tutorial information in the appendixes of this book. For more information about z/OS Communications Server base functions, standard applications, and high availability, see the other following volumes in the series: IBM z/OS V2R2 Communications Server TCP/IP Implementation Volume 1: Base Functions, Connectivity, and Routing, SG24-8360 IBM z/OS V2R2 Communications Server TCP/IP Implementation Volume 2: Standard Applications, SG24-8361 IBM z/OS V2R2 Communications Server TCP/IP Implementation Volume 3: High Availability, Scalability, and Performance, SG24-8362 This book does not duplicate the information in these publications. Instead, it complements those publications with practical implementation scenarios that might be useful in your environment. For more information about at what level a specific function was introduced, see z/OS Communications Server: New Function Summary, GC31-8771.

**IBM z/OS V1R12 Communications Server TCP/IP Implementation: Volume 4 Security and Policy-Based Networking** Mike Ebbers, Rama Ayyar, Octavio L. Ferreira, Gazi Karakus, Yukihiko Miyamoto, Joel Porterie, Andi Wijaya, IBM Redbooks, 2011-07-27 For more than 40 years, IBM® mainframes have supported an extraordinary portion of the world's computing work, providing centralized corporate databases and mission-critical enterprise-wide applications. The IBM System z® provides world class and state-of-the-art support for the TCP/IP Internet protocol suite. TCP/IP is a large and evolving collection of communication protocols managed by the Internet Engineering Task Force (IETF), an open, volunteer, organization. Because of its openness, the TCP/IP protocol suite has become the foundation for the set of technologies that form the basis of the Internet. The convergence of IBM mainframe capabilities with Internet technology, connectivity, and standards (particularly TCP/IP) is dramatically changing the face of information technology and driving requirements for ever more secure, scalable, and highly available mainframe TCP/IP implementations. The IBM z/OS® Communications Server TCP/IP Implementation series provides understandable, step-by-step guidance about how to enable the most commonly used and important functions of z/OS Communications Server TCP/IP. This IBM Redbooks® publication explains how to set up security for the z/OS networking environment. Network security requirements have become more stringent and complex. Because many transactions come from unknown users and untrusted networks, careful attention must be given to host and user authentication, data privacy, data origin authentication, and data integrity. We also include helpful tutorial information in the appendixes of this book because security technologies can be quite complex, For more specific information about z/OS Communications Server base functions, standard applications, and high availability, refer to the other volumes in the series.

**IBM Personal Communications and IBM z/OS TTLS Enablement: Technical Enablement Series** Chris Van Wagner,IBM Redbooks,2019-07-12 The purpose of this document is to complete the task of introducing Transport Layer Security to z/OS® so IBM Personal Communications (PCOMM) uses TLS security. This document walks you through enabling Tunneled Transport Layer Security (TTLS) on your IBM z/OS for use with a PCOMM TN3270 connection. When you complete this task, you require a certificate to access your TN3270 PCOMM session. You work with the following products and components: TN3270 TCPIP PAGENT INET (maybe) IBM RACF® This document assumes that the reader has extensive knowledge of z/OS security administration and these products and components. This document is part of the Technical Enablement Series that was created at the IBM Client Experience Centers.

Introduction to the New Mainframe: z/OS Basics Mike Ebbers, John Kettner, Wayne O'Brien, Bill Ogden, IBM Redbooks, 2012-01-04 This IBM® Redbooks® publication provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer. It is the first in a planned series of book designed to introduce students to mainframe concepts and help prepare them for a career in large systems computing. For optimal learning, students are assumed to have successfully completed an introductory course in computer system concepts, such as computer organization and architecture, operating systems, data management, or data communications. They should also have successfully completed courses in one or more programming languages, and be PC literate. This book can also be used as a prerequisite for courses in advanced topics or for internships and special studies. It is not intended to be a complete text covering all aspects of mainframe operation or a reference book that discusses every feature and option of the mainframe facilities. Others who will benefit from this book include experienced data processing professionals who have worked with non-mainframe platforms, or who are familiar with some aspects of the mainframe but want to become knowledgeable with other facilities and benefits of the mainframe environment.

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