Securing and Encrypting Network Traffic to z/OS Communications Server with Policy Agent

Workshop Raleigh, NC (USA)
May 9 – May 12, 2017 (No Fee)

Title	*Securing and Encrypting Network Traffic to z/OS Communications Server with Policy Agent (No Fee)* (A Hands-on Workshop from the **z/OS Communications Server Team of IBM Washington Systems Center – WSC**)
Duration	4 days (Tuesday – Friday 4PM): 9:00 AM – 5:30 PM (Day 1) 9:00 AM – 5:30 PM (Day 2) 9:00 AM – 5:30 PM (Day 3) 9:00 AM – **4:00 PM (Day 4)**
Dates & Locations	**May 9 – May 12, 2017 – Raleigh, North Carolina** *IBM Corporation* *3039 E Cornwallis Road, Bldg 002 TEC* *RTP, NC 27709* ***ENROLLMENT OPEN***
Class Size	18 only – ***PLEASE COMMIT TO ATTENDING THE FULL CLASS.*** ***General Internet Connectivity Cannot Be Guaranteed.***
Objectives	This workshop is designed to give the technical implementer student 1) An introduction to z/OS Communications Server Security Solutions; 2) Experience in designing and building X.509 digital certificates to provide security for TLS and IPSec; 3) Experience in creating AT-TLS, IPSec, and IDS Policies with z/OS Configuration Assistant and installing the policies to protect network traffic to and from z/OS; 4) Experience in implementing Syslog Daemon, Policy Agent, and Traffic Regulation Management Daemon on z/OS and in managing security policies on z/OS. 5) Insight into the differences among various security technologies, including OpenSSH, IPSec, TLS, and IDS
Audience	**Intermediate to Advanced Technical** Customers and who need hands-on experience in building and implementing security policies on z/OS Communications Server.
Prerequisites	• **Experience in managing and editing file structures on z/OS** • **Intermediate to Advanced experience in implementing TCP/IP - in z/OS Communications Server or other platforms**

Topics Intermediate to Advanced	LECTURES
	    • Security Architectures in IT
	    • Overview of Security in z/OS Communications Server
	    • Implementation of Policy Agent and Security Policies
	    • Security Keys and Encryption
	    • X.509 Digital Security Certificates
	    • Overview of TLS/AT-TLS
	    • Overview of IPSec
	    • Overview of Intrusion Detection Services
	  • LABS **for z/OS V2R2**
	    • Implementing SYSLOG Daemon in z/OS
	    • Implementing Policy Agent in z/OS CS
	    • Implementing TRMD
	    • Configuring an AT-TLS Policy for FTP Client and Server on z/OS with z/OS Configuration Assistant in z/OSMF
	    • Analyzing and Creating X.509 Digital Security Certificates
	    • Configuring IPSec Policy for Connections from z/OS to z/OS
	    • Configuring an IDS Policy to Protect z/OS
	  • *NOTE: No Kerberos or OpenSSH exercises offered.*

Handouts	Lectures in softcopy. Lab booklets in hard copy.
Course Fee	*No workshop fee*
Expenses	All travel, hotel and living expenses are to be paid by the attendee.
Request for Nomination	*Enrollment is **By Invitation Only** through Linda Harrison (lharriso@us.ibm.com). Only IBM Marketing Representatives and Client Technical Support Representatives are allowed to enroll their invited customers in this workshop if the customer is able to attend the FULL workshop (until 4PM of final day).* *This is a STANDBY course and, as such, all students are initially placed in a PENDED status until notified by the instructor.*
Nomination and Confirmation Procedures	*Please ask the appropriate IBM Rep to request your enrollment in this class by sending an email with the Subject line of “z/OS Networking Security” by April 7th (Friday), 5PM EDT to Class Administrator and Sponsor Linda Harrison (lharriso@us.ibm.com).* *Qualified students will be removed from PENDED status and receive a follow-up note that confirms their enrollment by April 10, 2017 end of business.* *DO NOT BOOK TRAVEL UNTIL YOU ARE CONFIRMED.* *If class is not full, later nominations can be accepted.*
Additional Information	**Instructors:** Linda Harrison of the **z/OS Network and Security Team** in Gaithersburg, Maryland. Please direct questions about hosting this workshop in your geography to Linda Harrison at: lharriso@us.ibm.com
Notice to Government Employees and	*IBM conducts marketing presentations, executive briefings, product exhibitions and demonstrations, seminars and other sessions to familiarize clients and potential clients with IBM solutions to*

Repre-sentatives	*information processing problems. In accordance with established IBM practices, these sessions are provided at no charge. Some government agencies permit acceptance of this training by employees; other agencies may not. You should ascertain whether your agency's standards of conduct regulations permit you to attend this IBM-sponsored education or training session, as it is not IBM's intent or desire that you, your organization, or IBM violate any statutes or regulations.* *Under IBM's established business practices, the fair market value for non-billable IBM education or training session is zero, as it is normally provided to commercial clients, government clients and potential clients on a no-charge basis. The offer of IBM training or education made in conjunction with this notice is void where prohibited by U.S. Federal, state or local government statute or regulation.* **Food and Refreshments:** *At this IBM function, IBM <u>may be</u> providing food and refreshments and considers this a normal business courtesy. Some U.S. Federal, state or local government agencies do not permit their employees to accept food or refreshments from contractors doing business with them. If your agency requires, or if you desire, you may pay the fair market value for the food and refreshments you consume. A receipt will be provided upon request.*