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Jonathan Looney & Stacy Smith

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Automating Junos Administration Jonathan Looney,Stacy Smith,2016-04-27 How can you grow and maintain a reliable flexible and cost efficient network in the face of ever increasing demands With this practical guide network engineers will learn how to program Juniper network devices to perform day to day tasks using the automation features of the Junos OS Junos supports several automation tools that provide powerful solutions to common network automation tasks Authors Jonathan Looney and Stacy Smith senior testing engineers at Juniper will help you determine which tools work best for your particular network requirements If you have experience with Junos this book will show you how automation can make a big difference in the operation of your existing network Manage Junos software with remote procedure calls and a RESTful API Represent devices as Python objects and manage them with Python s PyEZ package Customize Junos software to detect and block commits that violate your network standards Develop custom CLI commands to present information the way you want Program Junos software to automatically respond to network events Rapidly deploy new Junos devices into your network with ZTP and Netconify tools Learn how to use Ansible or Puppet to manage Junos software *Automating Junos Administration* Jonathan Looney. Stacy Smith,2016 Automating Junos Administration Jonathan Looney,Stacy Smith,2016-04-27 How can you grow and maintain a reliable flexible and cost efficient network in the face of ever increasing demands With this practical guide network engineers will learn how to program Juniper network devices to perform day to day tasks using the automation features of the Junos OS Junos supports several automation tools that provide powerful solutions to common network automation tasks Authors Jonathan Looney and Stacy Smith senior testing engineers at Juniper will help you determine which tools work best for your particular network requirements If you have experience with Junos this book will show you how automation can make a big difference in the operation of your existing network Manage Junos software with remote procedure calls and a RESTful API Represent devices as Python objects and manage them with Python s PyEZ package Customize Junos software to detect and block commits that violate your network standards Develop custom CLI commands to present information the way you want Program Junos software to automatically respond to network events Rapidly deploy new Junos devices into your network with ZTP and Netconify tools Learn how to use Ansible or Puppet to manage Junos software **JUNOS Automation Cookbook** Adam Chappell,2017-09-27 Administer configure and monitor Junos in your organization About This Book Get well acquainted with security and routing policies to identify the use of firewall filters Learn to provide end user authentication and protect each layer in an enterprise network A recipe based guide that will help you configure and monitor Junos OS and basic device operations Who This Book Is For This book targets network engineers developers support personals and administrators who are working on devices running Junos OS and are looking at automating their organisation s operations Some understanding about Junos would be necessary What You Will Learn Start using NETCONF RPC standard and understand its usefulness in programming JUNOS Write SLAX scripts to

respond to events in the JUNOS environment Automate JUNOS with PyEZ Deal with events in the JUNOS environment and writing response handlers to deal with them Make the most of automation technologies to help with maintenance and monitoring of JUNOS Use the Ansible framework to extend the automation functionality of Junos In Detail The JUNOS Automation Cookbook is a companion guide for the complex field of automating tasks on JUNOS devices With a foundation in industry standrd XML JUNOS provides an ideal environment for programmatic interation allowing you to build upon the capabilities provided by Juniper with your own original code You will begin by learning about and setting up the industry standard NETCONF remote procedure call mechanisms on your device After initial setup you ll walk through SLAX Juniper s foundation scripting language for manipulating XML representations of JUNOS concepts and elements You ll learn how to write your own SLAX scripts to customise the operating environment and also how to write proactive event handlers that deal with situations as they happen You ll then delve into PyEZ Juniper s bridging framework to make automation accessible to Python code allowing you to build automation applications in the popular scripting language You ll witness some examples of how to write applications that can monitor configuration changes implement BGP security policies and implement ad hoc routing protocols for those really tricky situations You ll also leaarn how asynchronous I O frameworks like Node js can be used to implement automation applications that present an acceptable web interface Along with way you ll explore how to make use of the latest RESTful APIs that JUNOS provides how to visualize aspects of your JUNOS network and how to integrate your automation capabilities with enterprise wide orchestration systems like Ansible By the end of the book you ll be able to tackle JUNOS automation challenges with confidence and understanding and without hassle Style and Approach A guide that will cover all the automation tools along with steps on leveraging these tools *Proceedings of the ... Systems Administration Conference (LISA ...)* ,2000 Administrative Register of Kentucky ,2008 *This Week Mastering Junos Automation* Curtis Call,Jeremy Schulman,2011-07-08 **Telecommunications** ,2004 *This Week Junos Automation Reference with SLAX 1. 0* Curtis Call,2011-07-08 *Day One* Peter Klimai,2018-10 The College Blue Book: Occupational education ,2003 **Designing and Developing Scalable IP Networks** Guy Davies,2004-09-03 Today s aggressively competitive networking market requires offering the maximum range of services using prevailing assets not building bigger more complicated networks but smarter more scalable infrastructures It isn t an easy thing to do The challenge is to develop an existing network so as to maximise its profitability A multi vendor approach to the subject is necessary since existing infrastructure is rarely homogeneous Discussion cannot merely be rooted in theory but has to bring to the fore actual designs and real development Guy Davies s invaluable reference tool is the product of many years experience in designing and developing real scalable systems for both service providers and enterprise networks It is a comprehensive demonstration of how to build scalable networks the pitfalls to avoid and a compilation of the most successful mechanisms available for engineers building and operating IP networks Designing and Developing Scalable IP Networks Documents practical scaling

mechanisms for both service providers and enterprise networks using illustrative real world configuration examples Recommends policy choices and explains them in the context of the commercial environment Provides a reference for engineers building and migrating networks based on the author s familiarity with both Juniper Networks components and Cisco Systems routers Is founded on the author s experience working with large networks in the USA and Europe as well as Asia Pacific This incomparable reference to scaling networks is suitable for network designers architects engineers and managers It will also be an authoritative guide for technically aware sales and marketing staff and service engineers It is a valuable resource for graduate and final year computing and communications engineering students and for engineers studying for both the JNCIE and CCIE examinations JUNOS OS For Dummies Walter J. Goralski,Cathy Gadecki,Michael Bushong,2011-10-18 Here s just what you need to get your network running smoothly and securely on Janos This guide will help you configure add key services enhance security and make your network more efficient *The College Blue Book* Huber William Hurt,Harriet-Jeanne Hurt,2004 *Monthly Index of Russian Accessions* Library of Congress. Processing Department,1965-07 Research in Education ,1970 The Canadian Who's who ,1996 **International Bibliography of Citrus Crops** ,1985 Bibliography of Agriculture ,1984 **Bibliography of Agriculture with Subject Index** ,1984

Reviewing **Automating Junos Administration**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Automating Junos Administration**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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