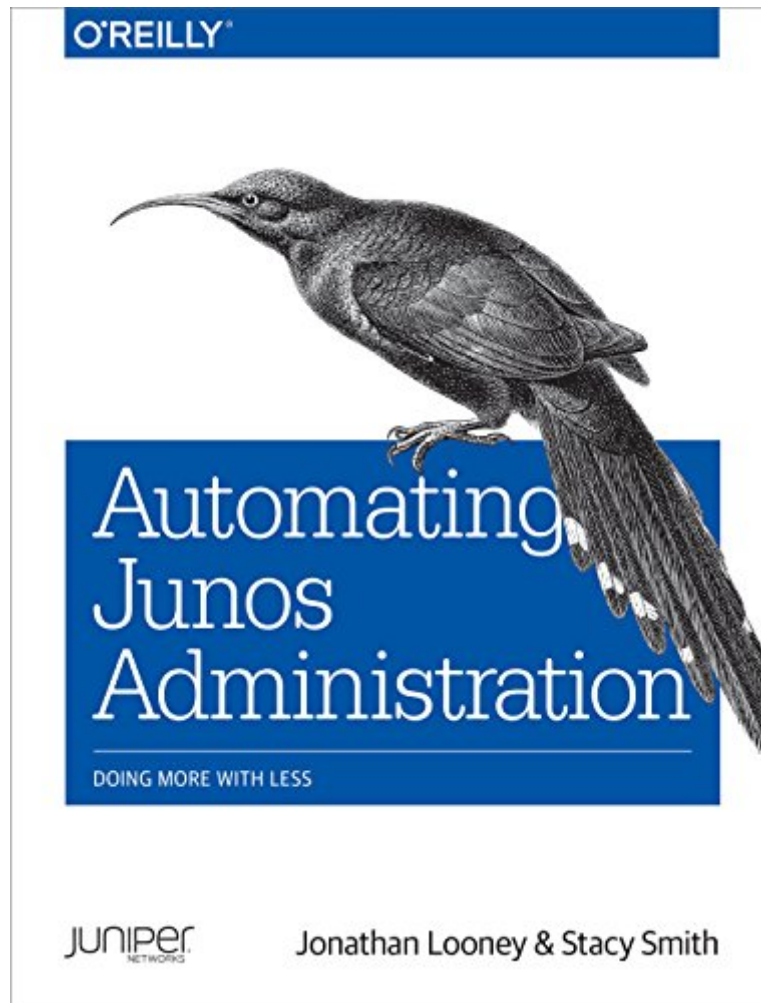# Automating Junos Administration: Doing More With Less

Synopsis

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 APIRepresent devices as Python objects and manage them with Pythonâ ™s PyEZ packageCustomize Junos software to detect and block commits that violate your network standardsDevelop custom CLI commands to present information the way you wantProgram Junos software to automatically respond to network eventsRapidly deploy new Junos devices into your network with ZTP and Netconify toolsLearn how to use Ansible or Puppet to manage Junos software

Book Information

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Customer Reviews

Automating Junos Administration provides a comprehensive introduction along with practical examples for many common administrative tasks. Two chapters review the Remote Procedure Call (RPC) methods supported by Junos and how to access these methods to execute scripts. A separate chapter gets you up and running with the Python library PyEZ and related extension packages to get building useful scripts fast.Separate chapters review the three major Junos script options, Operation, Commit and Event; explaining the situations where each is appropriate for the administrative task at hand.Chapters on Puppet and Ansible explain how these open source projects can assist in building complete automation application systems.While chapters on initial provisioning and practical examples help to pull all the information together into working code performing administrative functions.

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