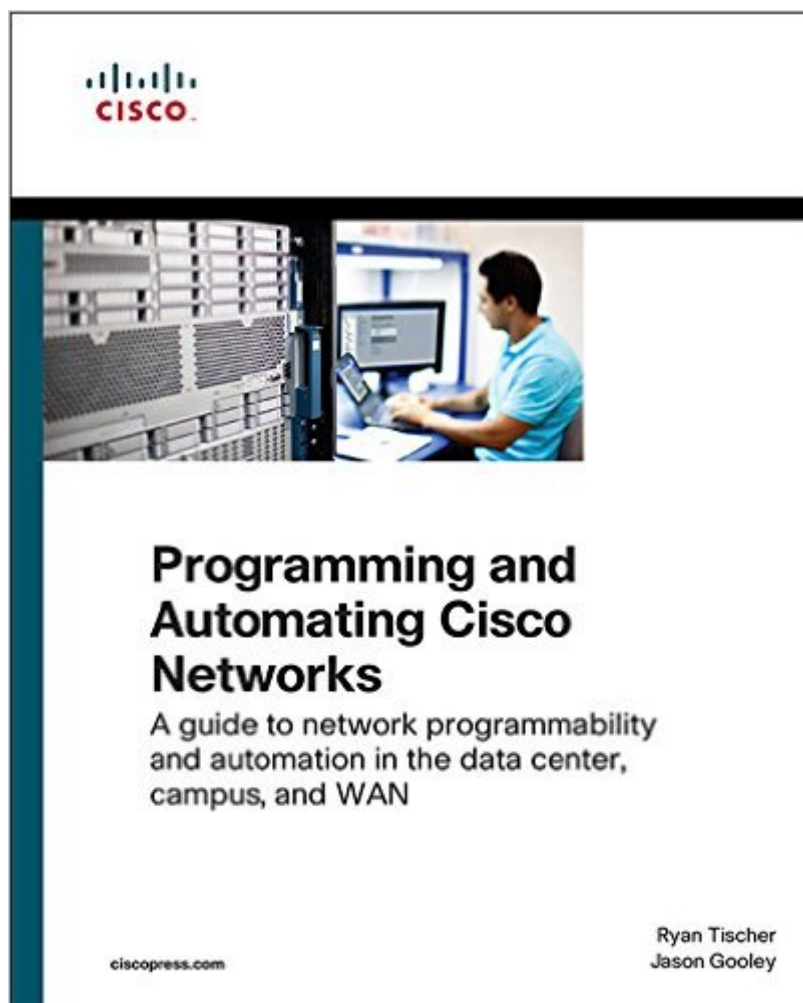# Programming And Automating Cisco Networks: A Guide To Network Programmability And Automation In The Data Center, Campus, And WAN (Networking Technology)

Programming and Automating Cisco Networks

A guide to network programmability and automation in the data center, campus, and WAN

ciscopress.com

Ryan Tischer
Jason Gooley

Synopsis

Traditional approaches to network management can't handle soaring network complexity. In the future, the best way to stay in control of your networks will be to program and automate them. Programming and Automating Cisco Networks introduces powerful new Cisco technologies for doing just that. Â CCIEs Ryan Tischer and Jason Gooley begin by showing how network automation and programmability can bridge gaps in network management arising from modern operational models. Next, they introduce software development tools, use cases, and examples for programming the Nexus 9000 and other Cisco data center network platforms. Â You'll find detailed coverage of programmability for Cisco campus and WAN products, including the use of NetConf/Yang, ConfD, and Cisco SDN controller for managing complex WAN environments. Tischer and Gooley then introduce Cisco's self-service catalog, Prime Services, and techniques for orchestrating multiple automation solutions to deliver applications, using Cisco Process Orchestrator. They conclude with links and references for extending your network automation skills via online communities and open source projects.

Book Information

File Size: 38075 KB

Print Length: 368 pages

Simultaneous Device Usage: Up to 5 simultaneous devices, per publisher limits

Publisher: Cisco Press; 1 edition (September 9, 2016)

Publication Date: September 9, 2016

Sold by:Â Digital Services LLC

Language: English

ASIN: B01LVTY77C

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #74,077 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #31 inÂ Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > Networks #41 inÂ Kindle Store > Kindle eBooks > Computers & Technology > Networking > Networks, Protocols & API's #129 inÂ Books > Engineering & Transportation > Engineering >

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