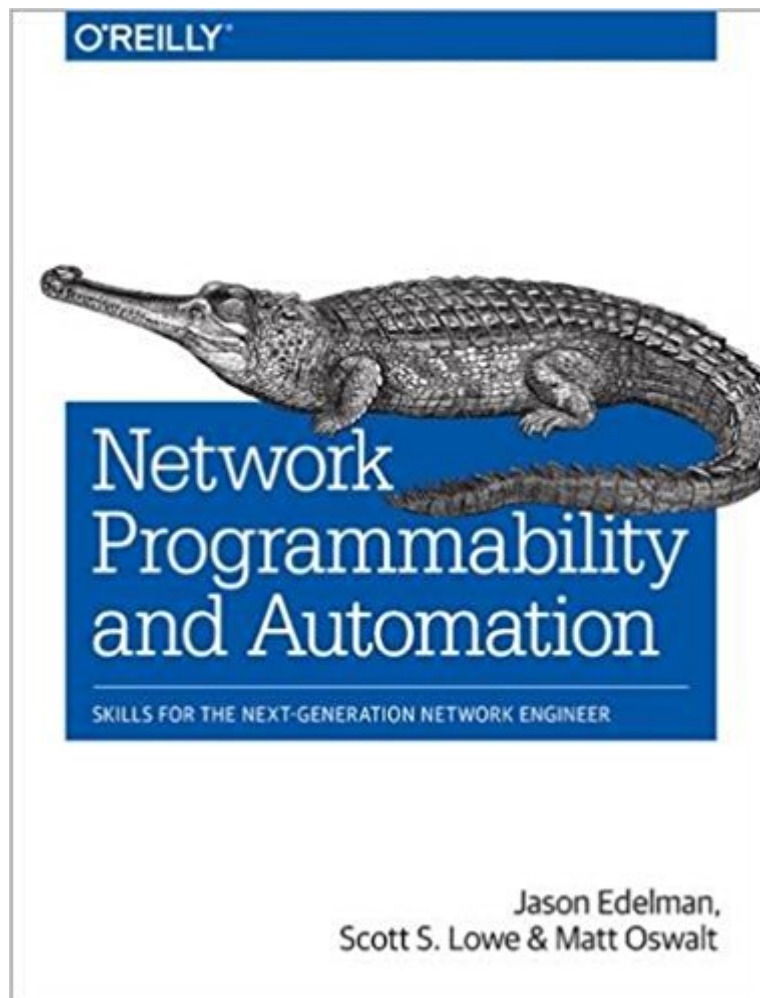




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# Network Programmability And Automation: Skills For The Next-Generation Network Engineer



## Synopsis

Automation is the new skillset that network engineers need to pick up. Much like sysadmins have had to learn how to use new tools like Chef and Puppet, network engineers are learning that they just can't do things manually anymore. With examples in each chapter, this practical book provides you with baseline skills in network programmability and automation, using a range of technologies including Linux, Python, JSON, and XML. No previous knowledge of software development, programming, automation, or DevOps is required. Understand the basics of Linux as applied to networking. Learn how to use text editors and Python to automate networks. Apply sound software design principles like continuous integration, DevOps, source control, etc. to optimize networks.

## Book Information

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## Customer Reviews

Jason Edelman, CCIE 15394 & VCDX-NV 167, is a born and bred network engineer from the great state of New Jersey. He was the typical "lover of the CLI" or "router jockey." At some point several years ago, he made the decision to focus more on software, development practices, and how they are converging with network engineering. Jason currently runs a boutique consulting firm, Network to Code, helping vendors and end users take advantage of new tools and technologies to reduce their operational inefficiencies. Jason has a Bachelor's of Engineering from Stevens Institute of Technology in NJ and still resides locally in the NYC Metro Area. Jason also writes regularly on his personal blog at [jedelman.com](http://jedelman.com) and can be found on Twitter at @jedelman8. Scott Lowe is an engineering architect at VMware, Inc. He currently focuses on cloud computing and

network virtualization after having spent a number of years specializing in compute virtualization. Scott has authored a number of technical books on vSphere and OpenStack, and shares technical content regularly on his blog at <http://blog.scottlowe.org>. He lives in Denver, CO, with his wife and the two youngest of their seven kids. Matt Oswalt is a Network Software Developer, working on the technical and non-technical challenges at the intersection of software development and network infrastructure. He is at his happiest in front of a keyboard, next to a brewing kettle, or wielding his silo-smashing sledgehammer. He publishes his work in this area and more at [keepingitclassless.net](http://keepingitclassless.net), and on Twitter as @Mierdin.

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