
A Real-World Guide to Understanding Arista Switches and EOS



Arista Warrior

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Gary A. Donahue

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Though Arista Networks is a relative newcomer in the data center and cloud networking markets, the company has already had considerable success. In this book, renowned consultant and technical author Gary Donahue (*Network Warrior*) provides an in-depth, objective guide to Arista's lineup of hardware, and explains why its network switches and Extensible Operating System (EOS) are so effective.

Anyone with a CCNA or equivalent knowledge will benefit from this book, especially entrenched administrators, engineers, or architects tasked with building an Arista network. Is Arista right for your data center? Pick up this guide and find out.

Topic highlights include:

- **SysDB:** the EOS system database that holds state, statuses, and variables
- **Multichassis Link Aggregation (MLAG):** for linking a port-channel to multiple switches instead of just one
- **Latency Analyzer (LANZ):** the interface-buffer troubleshooting tool with a reporting granularity of one millisecond
- **VM Tracer:** for adding, changing, and removing VLANs without human interaction
- **Zero-Touch Provisioning (ZTP):** for remote switch configuration
- **Hardware advantages:** including merchant silicon, low-latency networking, and power consumption
- **Gotchas:** issues with Arista switches or systems

Gary A. Donahue, founder and president of his consulting company, GAD Technologies, has worked as a programmer, mainframe administrator, technical assistance center engineer, network administrator, network designer, and consultant.

“Words of wisdom from the aisles of the data center! This is simply the best reference for data center networking available—whether you are building a two cabinet co-lo or a web-scale 100Mw facility, Gary covers the essentials to build and operate a world-class network.”

—Douglas Gourlay
Vice President, Arista Networks

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[LSI]

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Joyce A. Grier
November 18, 1931 – July 20, 2012
<http://www.gad.net/mother>
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