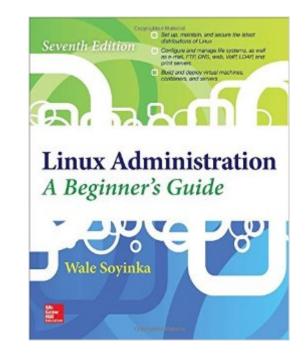# Linux Administration: A Beginner's Guide, Seventh Edition

Synopsis

Now with a virtual machine showcasing the book's test system configuration, Linux Administration: A Beginner's Guide, Seventh Edition teaches system administrators how to set-up and configure Linux quickly and easily.Effectively set up and manage any version of Linux on individual servers or entire networks using this practical resource. Fully updated to cover the latest tools and techniques, Linux Administration: A Beginnerâ ™s Guide, Seventh Edition features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the GUI or command line, maintain Internet and network services, and secure your data. Performance tuning, virtualization, containers, software management, and backup solutions are covered in detail.Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHELManage users, permissions, files, folders, and applicationsSet up and administer system services and daemonsManage software from source code or binary packagesCustomize, build, or patch the Linux kernelWork with physical and virtual file systems, such as proc, SysFS, and cgroupUnderstand networking protocols, including TCP/IP, ARP, IPv4, and IPv6Build reliable firewalls and routers with Netfilter (iptables and nftables) and LinuxMonitor and test network activity and minimize security threatsCreate and maintain DNS, FTP, web, e-mail, print, LDAP, and VoIP serversShare resources using GlusterFS, NFS, and SambaImplement popular cloud-based technologies using Linux virtualization and containers using KVM and Docker

Book Information

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Customer Reviews

The title of this book is a lie. And in the first few pages, the author openly tells you so. It says it's for "beginners," but it is actually written for server admins who are already familiar with Microsoft server administration but who want to dabble in or learn Linux. They actually say in the first few pages they assume you are already a "power user" with such software. Stupid: Say a book is for beginners, then assume your readers are already power users with similarly purposed, expensive software solutions. Why would an author write a book for "beginners" who want to learn free, open-source software, while assuming their readers are already familiar with expensive, Microsoft proprietary software? Yeah, I don't know either, but that is the, um, misguided, perspective they took with this book. They say the reason is that they didn't want to write a book "for dummies" where you just learned what to click or type here and there without knowing the why behind it, but their result is just the opposite of what they say they intended. If you assume your reader is already familiar with the concepts and the "why" with other similar software, then you don't apparently feel the need to really explain the why with the software your teaching. In truth, they do explain the "why," just not the "why" you really need as a beginner. They explain the "why," only in relation to the Microsoft software (i.e., Microsoft server software does it this way, here is why Linux does it differently and how it is better...

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