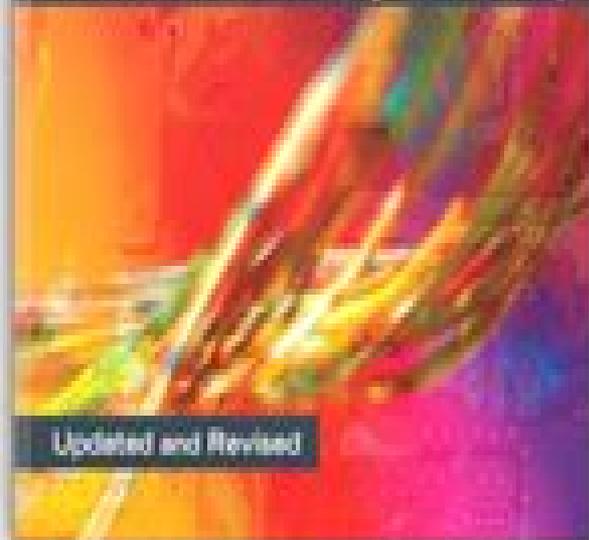


The  
**Practice of  
System and Network  
Administration**

**Second Edition**

Thomas A. Limoncelli · Christina L. Hogan · Strata R. Chaloy

Updated and Revised



# The Practice Of System And Network Administration

**Strata R. Chalup, Christina J.  
Hogan, Thomas A. Limoncelli**



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The Practice of System and Network Administration Thomas A. Limoncelli, Christina J. Hogan, Strata R. Chalup, 2016-10-25 With 28 new chapters the third edition of The Practice of System and Network Administration innovates yet again Revised with thousands of updates and clarifications based on reader feedback this new edition also incorporates DevOps strategies even for non DevOps environments Whether you use Linux Unix or Windows this new edition describes the essential practices previously handed down only from mentor to protégé This wonderfully lucid often funny cornucopia of information introduces beginners to advanced frameworks valuable for their entire career yet is structured to help even experts through difficult projects Other books tell you what commands to type This book teaches you the cross platform strategies that are timeless DevOps techniques Apply DevOps principles to enterprise IT infrastructure even in environments without developers Game changing strategies New ways to deliver results faster with less stress Fleet management A comprehensive guide to managing your fleet of desktops laptops servers and mobile devices Service management How to design launch upgrade and migrate services Measurable improvement Assess your operational effectiveness a forty page pain free assessment system you can start using today to raise the quality of all services Design guides Best practices for networks data centers email storage monitoring backups and more Management skills Organization design communication negotiation ethics hiring and firing and more Have you ever had any of these problems Have you been surprised to discover your backup tapes are blank Ever spent a year launching a new service only to be told the users hate it Do you have more incoming support requests than you can handle Do you spend more time fixing problems than building the next awesome thing Have you suffered from a botched migration of thousands of users to a new service Does your company rely on a computer that if it died can't be rebuilt Is your network a fragile mess that breaks any time you try to improve it Is there a periodic hell month that happens twice a year Twelve times a year Do you find out about problems when your users call you to complain Does your corporate Change Review Board terrify you Does each division of your company have their own broken way of doing things Do you fear that automation will replace you or break more than it fixes Are you underpaid and overworked No vague management speak or empty platitudes This comprehensive guide provides real solutions that prevent these problems and more

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*The Practice of System and Network Administration, Second Edition* Strata R. Chalup, Christina J. Hogan, Thomas A. Limoncelli, 2007 The first edition of *The Practice of System and Network Administration* introduced a generation of system and network administrators to a modern IT methodology Whether you use Linux Unix or Windows this newly revised edition describes the essential practices previously handed down only from mentor to prot g This wonderfully lucid often funny cornucopia of information introduces beginners to advanced frameworks

valuable for their entire career yet is structured to help even the most advanced experts through difficult projects The book s four major sections build your knowledge with the foundational elements of system administration These sections guide you through better techniques for upgrades and change management catalog best practices for IT services and explore various management topics Chapters are divided into The Basics and The Icing When you get the Basics right it makes every other aspect of the job easier such as automating the right things first The Icing sections contain all the powerful things that can be done on top of the basics to wow customers and managers Inside you ll find advice on topics such as The key elements your networks and systems need in order to make all other services run better Building and running reliable scalable services including web storage email printing and remote access Creating and enforcing security policies Upgrading multiple hosts at one time without creating havoc Planning for and performing flawless scheduled maintenance windows Managing superior helpdesks and customer care Avoiding the temporary fix trap Building data centers that improve server uptime Designing networks for speed and reliability Web scaling and security issues Why building a backup system isn t about backups Monitoring what you have and predicting what you will need How technically oriented workers can maintain their job s technical focus and avoid an unwanted management role Technical management issues including morale organization building coaching and maintaining positive visibility Personal skill techniques including secrets for getting more done each day ethical dilemmas managing your boss and loving your job System administration salary negotiation It s no wonder the first edition received Usenix SAGE s 2005 Outstanding Achievement Award This eagerly anticipated second edition updates this time proven classic Chapters reordered for easier navigation Thousands of updates and clarificatio

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Windows Server 2003 Network Administration Craig Hunt, Roberta Bragg, 2005-09-08. This book is the Windows Server version of the classic TCP/IP Network Administration. Like the book that inspired it, Windows Server 2003 Network Administration provides an overview of the essential TCP/IP protocols and explains how to properly manage and configure the services based on these protocols. Any skilled network administrator knows that understanding how things work is as important as knowing how things are done. This book is the essential guide to both, containing everything a network administrator needs to exchange information via the Internet and to build effective, reliable networks. This must-read guide is divided into three distinct sections: fundamental concepts, tutorial, and reference. The first three chapters are a basic discussion of the network protocols and services. This discussion provides the fundamental concepts necessary to understand the rest of the book. The remaining chapters provide a how-to tutorial for planning, installing, and configuring various important network services. The book concludes with three appendixes that are technical references for various configuration options. Content specifics include how to install, configure, and manage a Microsoft DNS and Windows DHCP server; control remote communications with Microsoft RRAS software; protect hosts with Internet Connection Firewalls; configure Internet and Intranet Web services with IIS; design proper security into your network; troubleshoot the network when problems develop. After you've turned the final page of Windows Server 2003 Network Administration, you'll not only understand how to network, but also why it needs to be done.

**American Book Publishing Record**, 2001. *Book Review Index*, 2003. Vols 8-10 of the 1965-1984 master cumulation constitute a title index.

**Healthcare Financial Management**, 2004. Some issues accompanied by supplements.

**The British National Bibliography** Arthur James Wells, 2006. *MCSE Windows 2000 Network Administration Study Guide (exam 70-216)* Syngress Media, Inc., 2000. This study guide gets candidates through Microsoft's tough new test with hands-on exercises, exhaustive chapter reviews, and lots of line art and screen shots. The CD is packed with practice tests, an interface with links to all components, and many other aids to learning.

**Synthesis of Highway Practice** National Cooperative Highway Research Program, 1990.

Governance Networks in Public Administration and Public Policy Christopher Koliba, Jack W. Meek, Asim Zia, 2011. 301 Smart Systems as Ensuring Democratic Anchorage p. 302 Smart Systems as Governing Dynamic Networks p. 304 Bibliography p. 307 Appendix A Governance Network Taxonomy p. 331 Appendix B Case Study Template p. 337 Index p. 343.

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