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Pro Python System Administration Rytis Sileika, 2010-09-08 As time goes on system administrators are presented with increasingly complicated challenges In the early days a team of engineers might have had to look after one or two systems These days one engineer can administer hundreds or thousands of systems System administrators are gradually replacing their tools with more advanced and flexible ones One of the choices is Python Structurally Python is a modern high level language with a very clean syntax Python comes with many built in libraries that can make automation tasks easier It also has extensive set of third party libraries and a very active development community This flexibility makes Python a good choice for a wide variety of tasks from prototyping science applications to system maintenance and administration jobs This book explains and shows how to apply Python scripting in practice Unlike the majority of the Python books it will show you how to approach and resolve real world issues that most system administrators will come across in their careers In this book you will find several projects in the categories of network administration web server administration and monitoring and database management In each project we will define the problem design the solution and go through the more interesting implementation steps Each project is accompanied with the source code of a fully working prototype which you ll be able to use immediately or adapt to your requirements and environment

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Rytis Sileika, 2014-11-21 Pro Python System Administration Second Edition explains and shows how to apply Python scripting in practice It will show you how to approach and resolve real world issues that most system administrators will come across in their careers This book has been updated using Python 2.7 and Python 3 where appropriate It also uses various new and relevant open source projects and tools that should now be used in practice In this updated edition you will find several projects in the categories of network administration web server administration and monitoring and database management In each project the author will define the problem design the solution and go through the more interesting implementation steps Each project is accompanied by the source code of a fully working prototype which you ll be able to use immediately or adapt to your requirements and environment This book is primarily aimed at experienced system administrators whose day to day tasks involve looking after and managing small to medium sized server estates It will also be beneficial for system administrators who want to learn more about automation and want to apply their Python knowledge to solve various system administration problems Python developers will also benefit from reading this book especially if they are involved in developing automation and management tools

Python for Unix and Linux System Administration Noah Gift, Jeremy M. Jones, 2008 A guide to using the Python computer language to handle a variety of tasks in both the Unix and Linux servers

Pro Linux System Administration Dennis Matotek, James Turnbull, Peter Lieverdink, 2017-03-14 Implement a SOHO or SMB Linux infrastructure to expand your business and associated IT capabilities Backed by the expertise and experienced guidance of the authors this book provides everything you need to move your business forward Pro Linux System

Administration makes it easy for small to medium sized businesses to enter the world of zero cost software running on Linux and covers all the distros you might want to use including Red Hat Ubuntu Debian and CentOS Pro Linux System Administration takes a layered component based approach to open source business systems while training system administrators as the builders of business infrastructure Completely updated for this second edition Dennis Matotek takes you through an infrastructure as code approach seamlessly taking you through steps along the journey of Linux administration with all you need to master complex systems This edition now includes Jenkins Ansible Logstash and more What You ll Learn Understand Linux architecture Build back up and recover Linux servers Create basic networks and network services with Linux Build and implement Linux infrastructure and services including mail web databases and file and print Implement Linux security Resolve Linux performance and capacity planning issues Who This Book Is For Small to medium sized business owners looking to run their own IT system administrators considering migrating to Linux and IT systems integrators looking for an extensible Linux infrastructure management approach *Python Cookbook* Alex Martelli,Anna Ravenscroft,David Ascher,2005-03-18 Portable powerful and a breeze to use Python is the popular open source object oriented programming language used for both standalone programs and scripting applications It is now being used by an increasing number of major organizations including NASA and Google Updated for Python 2 4 The Python Cookbook 2nd Edition offers a wealth of useful code for all Python programmers not just advanced practitioners Like its predecessor the new edition provides solutions to problems that Python programmers face everyday It now includes over 200 recipes that range from simple tasks such as working with dictionaries and list comprehensions to complex tasks such as monitoring a network and building a templating system This revised version also includes new chapters on topics such as time money and metaprogramming Here s a list of additional topics covered Manipulating text Searching and sorting Working with files and the filesystem Object oriented programming Dealing with threads and processes System administration Interacting with databases Creating user interfaces Network and web programming Processing XML Distributed programming Debugging and testing Another advantage of The Python Cookbook 2nd Edition is its trio of authors three well known Python programming experts who are highly visible on email lists and in newsgroups and speak often at Python conferences With scores of practical examples and pertinent background information The Python Cookbook 2nd Edition is the one source you need if you re looking to build efficient flexible scalable and well integrated systems **Professional Python Frameworks** Dana Moore,Raymond Budd,William Wright,2008-01-22 As two of the leading MVC web frameworks for Python Django and TurboGears allow you to develop and launch sites in a fraction of the time compared to traditional techniques and they provide greater stability scalability and management than alternatives Packed with examples this book will help you discover a new methodology for designing coding testing and deploying rich web applications A team of expert authors shows you the power of MVC frameworks and the capabilities of the TurboGears and Django packages The Django chapters show you how

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