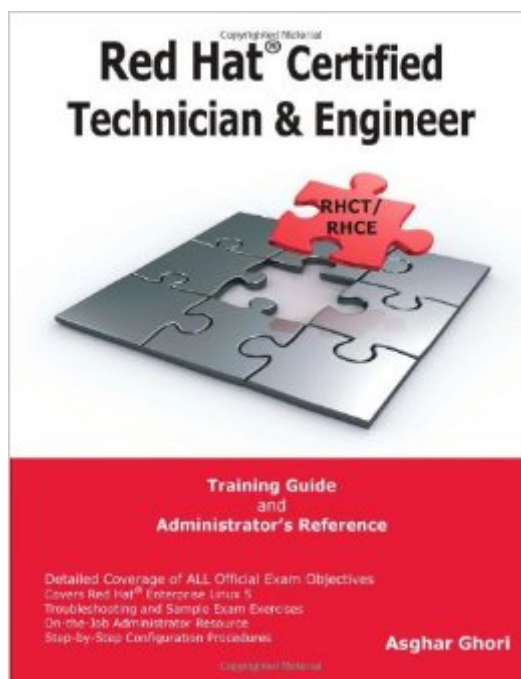# Red Hat® Certified Technician & Engineer (RHCT And RHCE) Training Guide And Administrator's Reference

Synopsis

This book is based on Red Hat® Enterprise Linux 5 (RHEL 5) and is intended for individuals who plan to take the new Red Hat® Certified Technician (RH202) and/or Red Hat® Certified Engineer (RH302) exams and pass them, want to use it as a quick on-the-job resource or like to learn RHEL from the beginning in an easy-to-understand way. The book has 31 chapters and facilitates readers to grasp concepts, understand implementation procedures, learn command syntax, configuration files and daemons involved, and comprehend troubleshooting. The chapters are divided into four areas: Linux Essentials, RHEL System Administration, RHEL Network and Security Administration, and RHEL Troubleshooting. 01. Linux Essentials (Chapters 1 to 7) covers the basics of Linux. Information provided includes general Linux concepts, basic commands, file manipulation and file security techniques, text file editors, shell features, basic shell and awk programming and other essential topics. These chapters are good for gaining an overall understanding of Linux and cover common skills useful for both exams. 02. RHEL System Administration (Chapters 8 to 19) covers system administration concepts and topics including hardware management, local installation, X Window and desktop managers, software and user/group account administration, disk partitioning using standard, RAID and LVM, file system and swap management, system shutdown and boot procedures, kernel management, backup, restore and compression functions, print services administration, and automation and system logging. These chapters cover objectives outlined for the RH202 exam. 03. RHEL Network and Security Administration (Chapters 20 to 30) covers network and security administration concepts and topics such as OSI and TCP/IP reference models, subnetting and IP aliasing, network interface administration, routing, basic network testing and troubleshooting tools, naming services (DNS, NIS, LDAP) and DHCP; Internet services and electronic mail management, time synchronization with NTP, resource sharing with NFS, AutoFS and Samba, network-based and hands-free automated installation, Apache web server and Squid caching/proxy server, secure shell, PAM, TCP Wrappers, IPTables, NATting, SELinux and recommendations for system hardening. These chapters cover objectives set for the RH302 exam. 04. RHEL Troubleshooting (Chapter 31) covers a number of sample system, network and security troubleshooting scenarios. This chapter covers objectives related to diagnoses and troubleshooting for both exams. The book covers ALL official exam objectives and includes several exercises for exam practice. This book is not a replacement for RHCT®/RHCE® training courses offered by Red Hat, Inc., but may be used to prepare for both the exams. The information contained in this book is not endorsed by Red Hat, Inc. Good Luck on the exams ....

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Customer Reviews

I bought this book to complement the Jang text in preparation for the RHCE. Strictly as a study guide for the RHCE, I would have some concerns. It is somewhat light on explaining theories and concepts before jumping into examples and steps to complete RHCT/RHCE tasks. In addition, there are a few areas (i.e., setting up an LDAP client) where the task includes some unnecessary steps. I got the impression that these extra steps were probably good practice or driven by internal policy, but I rather thought that should have been explained.As far as an administrator's reference, I think the text does a really good job. It gives many useful examples, and covers a great deal of ground that is not included by the RHCT/RHCE exams, but is really important if you will actually be administering RedHat boxes.I could not recommend this as the only source for study for the exams, but it is a great complement to the Jang text, providing additional examples and a slightly different take on how to accomplish some tasks. Ultimately, I'm glad I bought it, and will keep it around as a reference.

Well, it's a new book on the topic.I found it to be a lot more concise than Jang's. It actually gives you a lot more information than Jang's book (in terms of commands you need to be familiar with, examples and explaining basic principles), it just does so in approximately same number of pages.Troubleshooting and exercise section are located at the end of the book and offer scenarios that one could really expect during the exam. There are few minor errors though (commands for creating sw RAID, for example), but it's something you can check on various other resources.I put

this book on #1 place for RHCE preparation. Complemented with Jang's book and official RedHat's "RHEL Deployment guide", there's nothing else you need in terms of textbooks to prepare for the exam.Very recommended, high quality material. Good reference for everyday sysadmin work.

I am very satisfied with this purchase. This book is great for RHCE preparation as well as for reference.Content is very neatly organized into 30 chapters (no repetition of same content as most of books do) last chapter is dedicated for troubleshooting.You won't feel bored while reading this book; concepts are explained with diagrams wherever necessary. All configurations are well explained in steps with appropriate example that makes it easy to remember & implement practically. The most unique feature of this book is easy browsing throughout the content, as the author dedicated a separate chapter to key configurations like mail server, DNS, NFS, Samba, SCP etc.If you are looking for a RHEL book for RHCE/RHCT self-preparation as well as a good reference must give it a try.

Wow! After reading all of the rave reviews and evaluating the table of contents I purchased an electronic copy. I was hoping to find a great tutorial / reference book for my Linux students.On the bright side, I think the topics covered are exactly what needs to be covered in a Linux technical book. I like the brief descriptions of the commands and concepts. I like the concise examples and different inflections of the commands. I, like the author, think the students need to get the extended information from the man pages.On the bad side though, there are too many explanations that are flat out wrong. I've got a hunch that the author ported a lot of the concepts from Korn shell and assumed they would be perfectly transportable to Bash. Yikes!What always makes me wary of an author's expertise is their description of an exported variable as a "global" variable instead of a "passed" variable. That's a huge rookie mistake that will really confuse neophyte Linux users. Also, child processes not surviving the parent's termination. By default (depending on shell option settings), in Bash, the children will not receive a Hangup signal and will, indeed, survive. Those are just two of the many misconceptions I've found in the book.In summary, I like the layout of the book, I like the flow of the book, and I like the author's writing style. I just can't get past the huge technical flaws.

This is a great book and a must for the RHCE. Please note at the time of writing there are only 3 guides to the RHCE, I have only looked at this and Jang's and if anyone thinks that by reading 1 book they will pass... get real..This book complements Jangs in that it goes deeper on the LVM

partitioning and usage. There are occasional tools that are pointed to in this book that I cannot find elsewhere and my general Linux-fu has increased from reading this.The biggest positive is the comprehensive additude to tackling the RHCE material. I have not taken the tests yet, but this is the most indepth book I have found so far.The biggest negative is the layout/structure. While each topic is covered, it is not linked back to the exams enough and there should be practice questions reinforcing this book. A split of RHCE and RHCSA topics would be ideal here.Essentially there are only 3 guides at the moment. This is one of them and one that you need to have. More then that it is a good read and will expand your linux knowledge. If you are going to analyse a book and bag it for minor spelling mistakes, get a life. If you want the RCHE, get this book :) (yes no RHCSA or RHCE at this stage 2/3 way through, I will update this review with my progress).

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