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RHCSA & RHCE Red Hat Enterprise Linux 7: Training And Exam Preparation Guide (EX200 And EX300), Third Edition



Synopsis

RHCSA & RHCE Red Hat Enterprise Linux 7: Training and Exam Preparation Guide (EX200 and EX300), Third Edition. Highlights: > Updated to the latest version of Red Hat Enterprise Linux 7 > Updated to cover ALL official exam objectives for the RHCSA and RHCE exams based on Red Hat Enterprise Linux 7 > Equally good for self-study and in-class training > Step-by-step exercises to accomplish tasks > Do-It-Yourself challenge labs at the end of each chapter > Concepts explained with diagrams > Commands and options summarized in tables > Exam tips included > FOUR scenario-based sample exams (TWO for RHCSA and TWO for RHCE) > TWENTY-FIVE chapters (THIRTEEN for RHCSA and TWELVE for RHCE) > Separate sections on RHCSA and RHCE

RHCSA Section (chapters 1 to 13): covers local and network (automated with kickstart) RHEL7 installations, general Linux concepts and basic tools, compression and archiving, text file editing, file manipulation and security, processes and task scheduling, bash shell features, software package administration, yum repository configuration, host virtualization, virtual machines, system boot, kernel management, system initialization and service management with systemd, local logging, users and groups, LVM and file systems, AutoFS, Swap, ACLs, firewall, SELinux, network interfaces, NTP/LDAP clients, SSH, and TCP Wrappers.

RHCE Section (chapters 14 to 25): covers shell scripting, interface bonding and teaming, IPv6 and routing configuration, NTP, firewalld, Kerberos authentication, kernel tuning, resource utilization reporting, network logging, block storage sharing with iSCSI, file sharing with NFS and Samba/CIFS, HTTP/HTTPS web servers and virtual hosting, Postfix mail SMTP, DNS, and MariaDB. Each chapter lists major topics and relevant exam objectives in the beginning and ends with a summary followed by review questions/answers and Do-It-Yourself challenge labs.

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Customer Reviews

This book covers the latest version of Red Hat Enterprise Linux (version 7) released in 2014. It addresses four major learning objectives: 1) a self-study exam preparation guide, 2) an in-class training manual, 3) an on-the-job reference, and 4) an easy-to-understand guide for novice and non-Linux administrators. This book is divided into two sections -- RHCSA and RHCE -- based on the exam and learning objectives. The RHCSA section covers tasks that are intended for implementation on a single system, while the RHCE section covers those that require two or more networked systems. The book has twenty-five chapters in total and are organized keeping in view the four learning objectives mentioned above. The RHCSA and RHCE certification exams are hands-on exams presented in electronic format on a live desktop computer running Red Hat Enterprise Linux 7 with one (RHCSA) or two (RHCE) virtual machines. The exam objectives are covered in sufficient detail in the chapters throughout the book. I have attempted to explain the concepts in an easy-to-understand manner supported by step-by-step instructions on how to perform tasks and implement services. I have included numerous exercises, which I actually ran on test systems. My emphasis has been more on the practical aspect to align with the nature of the Red Hat exams as well as the other learning objectives. I have provided requirements in the first chapter to help build a lab for practicing the exercises, challenge labs, and sample exams while studying the book. This book has: No. of Exercises: 115+ No. of Review Questions / Answers: 500+ No. of Do-It-Yourself (DIY) Challenge Labs: 70+ No. of Sample RHCSA Exams: 2 No. of Sample RHCE Exams: 2 I hope this book will prove to be an invaluable resource for your exam preparation as well as learning RHEL 7. Good luck on the road to achieving the RHCE certification....

Asghar Ghori is a seasoned UNIX/Linux consultant, trainer, and author. As a consultant, his experience ranges from deployment, support, and administration to solution architecture, design, and consulting; as a trainer, he has designed and delivered numerous training programs; and as a published author, he has five books on HP-UX and Red Hat Enterprise Linux to his credit. Asghar holds a BS in Engineering. He is RHCE, RHCSA, HP CSA, HP CSE, SCSA, IBM Certified Specialist for AIX, and CNE, with ITIL and PMP certifications.

This is a great book and a terrific reference. Other than job experience, I used nothing but this book to prep for the first of the two exams, and I passed. The information, exercises, and sample tests are everything you need to pass the test. Learn them inside out and backward, and you'll pass. Not only is this great for passing the test, but Mr. Ghorl explains things beautifully clearly and concisely. There were a variety of concepts that I sort of knew beforehand that after reading this book are crystal clear. I also had the previous version of this book, for RHEL5, and found that if I needed really good details on how to do something, I was more likely to find them in this book than anywhere else. I love knowing the details of how things work, and this book provides them.

I have been studying this book and find it to be concise. I will definitely be using it to prep for my exam. The author is super responsive if you have any questions regarding the subject material. I was questioning one of the emergency boot methods and sent him an email concerning it and within minutes I got a reply back! With a nice screen shot showing that it worked! The method did not work for me but it was close enough for me to figure out what was happening that was different in my system. I have found that tech manuals are not always perfect and this book is no exception but it is well written and has plenty of pertinent info and a very responsive author. Your mileage may vary as tech books are sometimes highly subjective but for me I can honestly say I'm definitely learning by using it and I recommend it.

I bought this book shortly after signing up for both RHCSA training courses. I bought it to use as extra study after the course was over and I didn't have access to the RH labs. This book does a pretty good job at helping you create your own lab environment however it explains quite often that you need to use the Red Hat 7 DVD and references this DVD quite a bit. My copy didn't come with a DVD nor were there any online digital copies of the media that I have found. So to compensate this lack of DVD I downloaded CentOS 7 which is the open source free version of RH. You can get pretty much the same packages and software needed to mimic what is being said in the book except where you need to register with RHN or use the "DVD". After taking both courses and then attempting to read this book I can point out pretty significant differences in the course plan vs the book's plan. The book seems to dip a toe into Red Hat by teaching you basics of file modification, file tree layout and where everything is (which is consistent with the first part of the RHCSA I class). Then it jumps right into virtualization without teaching you anything networking. This tends to be a common theme in the book where you learn something basic in the multiple ways a task can be done. Then it shows you a bunch of deeper tasks that will be learned later but gives no explanation

as to why you are running the more in depth command. I can see how the book is setting the basics of the OS then building the Virtualization on top which in my guess would be closer to the practical as you would have to do that in an early step but covering some of the other basics then expanding would be wiser for someone who is entering with minimal or zero knowledge. I have yet to take the exam however comparing this book to the outline and documentation of the RHCSA I and II classes its much more confusing. I have also noticed a few commands have errors in them or aren't properly laid out and cause errors.

Very well written and well organised I bought this book on the recommendation of a friend who just passed the RHCE exam. I must say it was money well spent. The author have the excellent grip on the subject material. He provides plenty of details on the commands with examples. At the end of each chapter there are a good number of practice labs. In each chapter he provide exam tips that can be life savers. He has divided the book in two parts one for RHCSA and the other for RHCE and as you go through the book your knowledge keeps on growing in a systematic way. Booth of these exams are not easy but if you go through the book and do all the labs you will pass them . I must give Mr Ghori five stars for this excellent work and i would recommend this book to any one who is serious about passing the Red hat exams .

I found this books lacking especially in the RHCE section. Some examples are incomplete and some have mistakes. The part describing Kerberos setup should have been backed up by real Kerberos server side setup examples. The redhat exams are all performance based - hence supplying solutions - code and configuration examples (for Apache or iscsi etc) on a dvd that a student can check and use in his/her lab environment - would have been be a good improvement.

The exam is difficult , but this book gives you knowledge and tools to train you.

This book is very well written. It does a great job of THOROUGHLY explaining concepts that System Engineers use every day. I have several other Linux books, but always find myself cross referencing other books as I read them, since they explain part of a concept but not the entire concept. This book is both an excellent study tool and reference guide for hands-on Linux administration work.

This is one of the best written, easiest to understand books on this subject I've ever read. The

author explains difficult concepts in stripped down, concise language, and he provides plenty of challenge exercises at the end of every chapter to help reinforce the topics covered. He reveals a lot of basic, useful commands that I didn't even know existed! The sample tests were a huge help in preparing for the real thing. It's not a book for beginners, though. If you're totally new to Linux, you may want to start with something less daunting. A LOT of material is covered here.

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