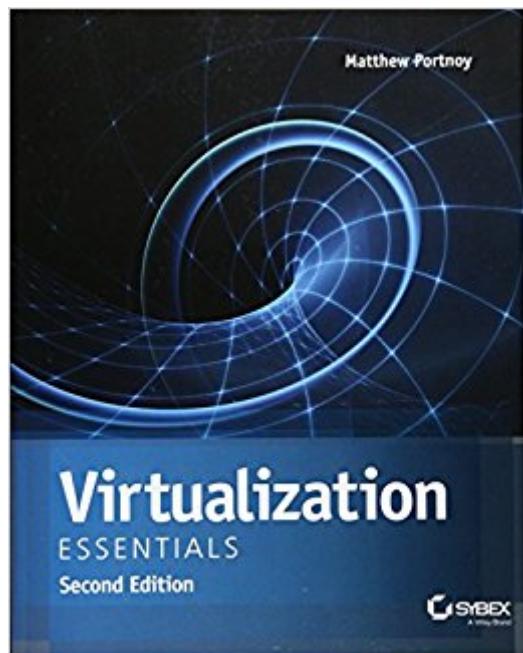**The book was found**

Virtualization Essentials

Synopsis

Learn virtualization skills by building your own virtual machine Virtualization Essentials, Second Edition provides new and aspiring IT professionals with immersive training in working with virtualization environments. Clear, straightforward discussion simplifies complex concepts, and the hands-on tutorial approach helps you quickly get up to speed on the fundamentals. You'll begin by learning what virtualization is and how it works within the computing environment, then you'll dive right into building your own virtual machine. You'll learn how to set up the CPU, memory, storage, networking, and more as you master the skills that put you in-demand on the job market. Each chapter focuses on a specific goal, and concludes with review questions that test your understanding as well as suggested exercises that help you reinforce what you've learned. As more and more companies are leveraging virtualization, it's imperative that IT professionals have the skills and knowledge to interface with virtualization-centric infrastructures. This book takes a learning-by-doing approach to give you hands-on training and a core understanding of virtualization. Understand how virtualization works Create a virtual machine by scratch and migration Configure and manage basic components and supporting devices Develop the necessary skill set to work in today's virtual world Virtualization was initially used to build test labs, but its use has expanded to become best practice for a tremendous variety of IT solutions including high availability, business continuity, dynamic IT, and more. Cloud computing and DevOps rely on virtualization technologies, and the exponential spread of these and similar applications make virtualization proficiency a major value-add for any IT professional. Virtualization Essentials, Second Edition provides accessible, user-friendly, informative virtualization training for the forward-looking pro.

Book Information

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Customer Reviews

Learn Virtualization Quickly and Easily More and more companies are leveraging virtualization, so it is critical that IT professionals have the latest knowledge and skills needed to work with virtualization-centric infrastructures. You'll acquire that knowledge as you work through this book and build your own virtual machine. Clear, straightforward instruction explains what virtualization is and how it works. Then you'll learn to set up the CPU, memory, storage, networking, and more. Each chapter focuses on a specific goal, enabling you to build a solid foundation in this career-essential discipline. Learn these virtualization essentials—and more: How virtualization software operates within a computer environment The difference between Type 1 and Type 2 hypervisors How cloud computing leverages virtualization Installing Windows or Linux on virtual machines Managing CPUs, memory, storage, and networking Configuring supporting devices for a virtual machine Availability and technologies that protect individual virtual machines, virtualization servers, and entire datacenters Methodology and practices for deploying applications in a virtual environment. This striking Essentials book features: Chapter-opening learning objectives Step-by-step tutorials Four-color screenshots and illustrations Essentials and Beyond—summaries and additional suggested exercises Downloadable exercise files

About the Author Matthew Portnoy is a 30-year veteran of the IT industry. A Staff System Engineer at VMware, he is also an adjunct professor at Wake Tech Community College, where he has taught CIS classes since 2007. He has presented at VMworld, the leading virtualization conference, as well as at many other industry events and tradeshows including VMware User Group events.

Very concise and easy to read. Not a lot of fluff. Later chapters dig in to how to optimize. very good book.

This title is an introduction to the fundamentals of virtualization, the technology whereby multiple virtual PCs or servers run on a single physical PC or server. Virtualization is incredibly useful at every level, from individuals running virtual machines on the desktop for test and development, to enterprises running thousands of virtual machines in a datacenter, with the flexibility to create, remove, copy, scale up or downsize servers at will.The author, Matt Portnoy, is an industry veteran

who according to the blurb is a staff systems engineer at VMware as well as a teacher in the fields of virtualization and database technology.In 14 chapters Portnoy covers what virtualization is, what a virtual machine is, and the essentials of managing CPUs, memory, storage and networking in a virtual environment. There is also a look at creating high availability virtual machines, and a brief look at deploying applications.There are some hands-on examples covering creating VMs with either VMware Workstation Player or Oracle VirtualBox.Now, a few observations. This is a well-written book with a ton of useful background on the topic. I can see it working well as a textbook for a course and maybe that is what it is designed for. It would also be useful for a computing professional up to a point, but I do wonder whether a pro would be better off with a book dedicated to a particular virtualization technology rather than one that does its best to be generic, though with a strong VMware slant (which is not surprising given the authorÃƒÂ¢Ã â ¬Ã â„¢s background).Personally I would like to have seen more coverage of MicrosoftÃƒÂ¢Ã â ¬Ã â„¢s Hyper-V, given that it is now built into every version of Windows including Windows 10 (though not the Home edition), but although there are a few mentions of Hyper-V here, all the examples are VMware or Virtual Box.Still, that just highlights the issue: if you are working with VMWare you wonÃƒÂ¢Ã â ¬Ã â„¢t need the Hyper-V stuff and vice versa.This is the second edition of a book first published in May 2012. I donÃƒÂ¢Ã â ¬Ã â„¢t have the earlier edition, but the chapter titles are all the same. A lot has happened in those four years, in particular the explosion of cloud computing and containerization, and I would like to have seen more coverage of these topics. Containers are mentioned but only briefly; I think the subject would merit a dedicated chapter.Despite the above, this is a good choice if you want to learn about virtualization at a conceptual level. If you are looking for a practical guide you might be better served by a title specific to the virtualization technology you want to use.Disclosure: I obtained this title for review via Vine in the UK

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