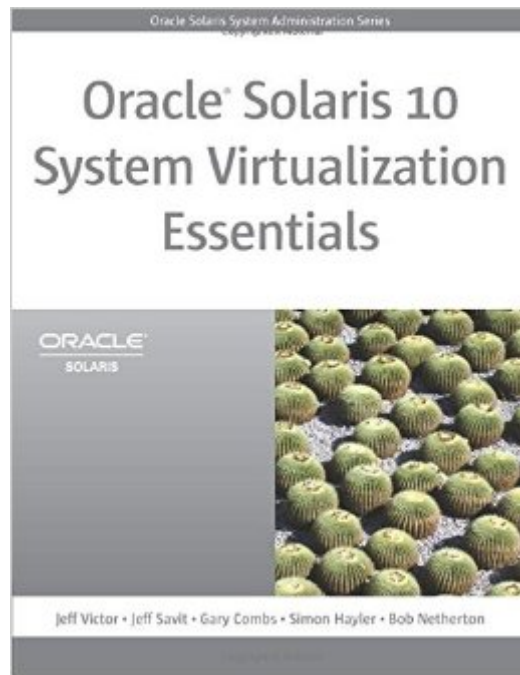# Oracle Solaris 10 System Virtualization Essentials (Oracle Solaris System Administration)

Synopsis

Virtualization and related technologies like hypervisors, which create virtual machines on a single hardware machine, and containers (also known as zones), which create virtual operating systems running on a single operating system, are a totally new area for many system administrators. Oracle® Solaris™ 10 System Virtualization Essentials provides an accessible introduction to computer virtualization, specifically the system virtualization technologies that use the Oracle Solaris or OpenSolaris operating systems. This accessible guide covers the key concepts system administrators need to understand and explains how to   Use Dynamic Domains to maximize workload isolation on Sun SPARC systems Use Oracle VM Server for SPARC to deploy different Oracle Solaris 10 and OpenSolaris environments on SPARC CMT (chip multithreading) systems Use Oracle VM Server for x86 or xVM hypervisor to deploy a server with heterogeneous operating systems Use Oracle VM VirtualBox to develop and test software in heterogeneous environments Use Oracle Solaris Containers to maximize efficiency and scalability of workloads Use Oracle Solaris Containers to migrate Solaris 8 and Solaris 9 workloads to new hardware systems Mix virtualization technologies to maximize workload density   Starting with a discussion of system virtualization in general terms—the needs of consolidation, the benefits of virtualization, and a description of the most common types of computer virtualization—this book also covers many of the concepts, features, and methods shared by many implementations of system virtualization. Oracle™s computer virtualization technologies that are directly related to the Oracle Solaris OS are described in detail along with a discussion of the factors that should be considered when choosing a virtualization technology. Finally, several examples of these technologies and an overview of virtualization management software are provided, as well as a history of virtualization.

Book Information

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Customer Reviews

This is a great book, if you are looking for the basics of Oracle's virtualization technologies all in one place. However, the material is extremely sparse and everything I have referenced is covered in Oracle's documentation. A great start, if you are new to Oracle's technologies. However, check out Oracle's documentation and white papers, first. This book is not very useful if you are looking for supplemental material.I was hoping to find more guidance and real-world experience applied to Oracle technologies, as the preface suggests. For each of the virtualization technologies, the author typically picks the easiest implementation methods and only summarizes other options. Very little is provided regarding why or how to pick one implementation option over another. One example of this is virtual disk options.Solaris 10 could have been dropped from the title. The Xen-based Oracle VM Server for x86 is also covered. Though, the author does show you how to implement a Solaris 10 guest.One final point...links to Sun's websites abound throughout the text. The majority of them are no longer valid and finding the information on Oracle's website can be difficult. However, once you do, bookmark the new web page!

Oracle Solaris 10 System Virtualization Essentials is a pick for any college-level technical collection strong in Oracle Solaris engineering. It provides a fine introduction to the topic of computer virtualization and the systems that support it, offering administrators and oracle Solaris support staff a key to understanding operating systems, migration processes, and security and scalability of workloads. It completely covers all concepts and features of system virtualization and is key to any in-depth understanding.

This book covers all topics related to Solaris Virtualization. The section on Oracle VM Server for Sparc has been extremely helpful for me. The docs online are very sparse on the subject. Couldn't have lived without this book.

This book is well-written, well-organized, and extremely helpful. Getting up to speed on Sun/Oracle's virtualization technologies isn't easy, especially when their product lines support

different mechanisms and features. This book touches on all of them.

A great overview of not just Solaris and other Oracle technologies, but virtualization technologies as a whole. Worth a read for anyone interested in virtualization.

Oracle Solaris 10 System Virtualization Essentials (Oracle Solaris System Administration) OCA Oracle Solaris 11 System Administration Exam Guide (Exam 1Z0-821) (Oracle Press) Oracle Virtualization & Linux Administration QuickStart Quick Start Guide to Oracle Fusion Development: Oracle JDeveloper and Oracle ADF (Oracle Press) Oracle Solaris 11 Advanced Administration Cookbook Sun Certified Network Administrator for the Solaris 10 Operating System Certification Exam Preparation Course in a Book for Passing the Solaris ... on Your First Try Certification Study Guide Virtualization Essentials UNIX System Administration with Solaris 11.3: A Course for Beginners Solaris 9 System Administration Training Guide (Exam CX-310-014 and CX-310-015) Solaris 10 System Administration: Exam Prep CX-310-200 Exam CX-310-202 OracleÃ Â® Solaris 11 System Administration Study Guide for 1Z0-062: Oracle Database 12c: Installation and Administration: Oracle Certification Prep Oracle Database Administration for Microsoft SQL Server DBAs (Oracle Press) OCA Oracle Database 12c Installation and Administration Exam Guide (Exam 1Z0-062) (Oracle Press) Study Guide for 1Z0-052: Oracle Database 11g: Administration I: Oracle Certification Prep Study Guide for 1Z0-053: Oracle Database 11g: Administration II (Oracle Certification Prep) OCP Oracle Database 11g Administration II Exam Guide: Exam 1Z0-053 (Oracle Press) OCP Oracle Database 12c Advanced Administration Exam Guide (Exam 1Z0-063) (Oracle Press) Study Guide for 1Z0-063: Oracle Database 12c: Advanced Administration: Oracle Certification Prep Solaris Performance and Tools: DTrace and MDB Techniques for Solaris 10 and OpenSolaris