

1. Record Nr.	UNINA9910782157803321
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Titolo	Mastering VMware Infrastructure 3 [[electronic resource] /] / Chris McCain
Pubbl/distr/stampa	Indianapolis, Ind., : Wiley Technology Pub., c2008
ISBN	0-470-43246-2 1-281-45044-8 9786611450441 0-470-38862-5
Descrizione fisica	1 online resource (578 p.)
Altri autori (Persone)	RiveraRawlinson <1976->
Disciplina	005.4/3 005.43
Soggetti	Operating systems (Computers) Virtual computer systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Mastering VMware Infrastructure 3; Acknowledgments; About the Author; Contents at a Glance; Contents; Introduction; What Is Covered in This Book; The Mastering Series; The Hardware Behind the Book; Who Should Buy This Book; How to Contact the Author; Chapter 1: Introducing VMware Infrastructure 3; Exploring VMware Infrastructure 3; The Bottom Line; Chapter 2: Planning and Installing ESX Server; Planning a VMware Infrastructure 3 Deployment; ESX Server Installation; Postinstallation Configuration; Installing the Virtual Infrastructure Client; The Bottom Line Chapter 3: Creating and Managing Virtual NetworksVirtual Networking Components; Creating Virtual Switches and Port Groups; Creating and Managing NIC Teams; Creating and Managing VLANs; Configuring Virtual Switch Security; The Bottom Line; Chapter 4: Creating and Managing Storage Devices; Understanding V13 Storage Options; Understanding a Storage Area Network; Creating and Managing LUNs; ESX Network Storage Architectures: Fibre Channel, iSCSI, and NAS; Creating and Managing VMFS Datastores; The Bottom Line; Chapter 5: Installing and Configuring VirtualCenter 2.0; Introducing Virtual Center

## 2.5

Installing the Virtual Center Back-end DatabaseESX 3.5 and Virtual Center 2.5 Licensing Strategies; Installing Virtual Center 2.5; Creating and Managing a Virtual Center Inventory; Using Virtual Center Topology Maps; Planning a Virtual Center Deployment; Managing Virtual Center Settings; The Bottom Line; Chapter 6: Creating and Managing Virtual Machines; Creating a Virtual Machine; Installing a Guest Operating System; Installing the VMwareTools; Managing and Modifying Virtual Machines; Creating Templates and Deploying Virtual Machines; The Bottom Line

Chapter 7: Migrating and Importing Virtual MachinesGuided Consolidation; Performing Physical-to-Virtual Migrations; Importing Virtual Appliances; The Bottom Line; Chapter 8: Configuring and Managing Virtual Infrastructure Access Controls; Managing and Maintaining ESX Server Permissions; Managing and Maintaining Virtual Center Permissions; Virtual Machine Management Using the Web Console; The Bottom Line; Chapter 9: Managing and Monitoring Resource Access; Allocating Virtual Machine Memory; Allocating Virtual Machine CPU; Resource Pools; Exploring V Motion; Clusters Exploring Distributed Resource Scheduler (DRS)The Bottom Line; Chapter 10: High Availability and Business Continuity; Clustering Virtual Machines; VMware High Availability (HA); Backing Up with VMware Consolidated Backup (VCB); Restoring with VMware Consolidated Backup (VCB); The Bottom Line; Chapter 11: Monitoring Virtual Infrastructure Performance; Creating Host and Virtual Machine Alarms; Performance Graph Details and esxtop; Monitoring Host and Virtual Machine CPU Usage; Monitoring Host and Virtual Machine Memory Usage; Monitoring Host and Virtual Machine Network Usage; Monitoring Host and Virtual Machine Disk Usage

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### Sommario/riassunto

Cut hardware costs, expand your capacity, and manage an entire fleet of virtual machines in your enterprise with the leading virtualization solution, VMware Infrastructure 3 (VI3), by applying the step-by-step instructions in Mastering VMware® Infrastructure 3. Packed with the technical details, best practices, and how-tos you need to install, configure, and run a virtual infrastructure at maximum efficiency, this guide is comprehensive and essential. Learn how to create and manage virtual networks and machines, configure every product in the VI3 suite, monitor resources and performance

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