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Nota di contenuto	Chapter - 1 Understanding Virtualization -- Chapter - 2- VMware and vSphere Overview -- Chapter - 3- System Requirements and Licensing -- Chapter - 4- Deploying vSphere Environment -- Chapter - 5 vSphere Networking.-Chapter 6-vSphere Datastores -- Chapter 7- Virtual Machines -- Chapter 8-VMware vCenter -- Chapter 9-vCenter Server Appliance Management Interface (VAMI) -- Chapter 10- Datacenter and Clusters -- Chapter 11 vCenter Datastores -- Chapter 12 Managing Datastores -- Chapter 13 vSphere Storage Policies and Encryption -- Chapter - 14 vSphere Distributed Switch (vDS) -- Chapter - 15- Advanced Configuration with vSphere Distributed Switch -- Chapter - 16- Configuring LACP in vSphere Distributed Switch -- Chapter 17 vSphere Advanced Features -- Chapter - 18 vSphere Cluster Services (vCLS) -- Chapter 19 vSphere High Availability (HA) -- Chapter 20 vSphere Proactive HA -- Chapter - 21 vSphere Fault Tolerance -- Chapter 22 Virtual Machine Snapshots.-Chapter 23 Enhanced vMotion Compatibility (EVC) Mode -- Chapter 24 Host Profiles in vSphere -- Chapter - 25 VMware Hot Add & Hot Plug -- Chapter - 26 Direct Path I/O Passthrough -- Chapter 27 Add a USB device to vSphere -- Chapter 28 How to reset the vCenter root password -- Chapter 29 vCenter Update/Upgrade -- Chapter 30 vSphere Lifecycle Manager -- Chapter 31 vSphere Backup and Disaster Recovery -- Chapter 32 VMware other products -- Chapter 33 VMware Certification Overview.-Chapter 34 Final Chapter: Embracing the Future

of Virtualization with VMware vSphere.

Sommario/riassunto

This book fills a vacuum in the market for high-quality information on a VMware vSphere system and offers a thorough introduction to VMware virtualization. Written for novices and those seeking more information about vSphere, this book walks you through its key concepts and technology, such as vSphere infrastructure creation, maintenance, and performance for beginners and advanced users. You'll take a step-by-step approach to guarantee you grasp the fundamental concepts and practical procedures required to construct and manage virtual machines in a VMware vSphere system. You'll explore the key components of vSphere with detail and explanation for each feature, including the hypervisor, networking, storage, and high availability, unravelling their intricacies and highlighting best practices. This book provides full VMware knowledge to develop, set up, and maintain vSphere environments that meet modern computing needs. It also features advanced topics, such as resource optimization, performance monitoring, advanced settings, and automation, empowering you to take your virtualization skills to the next level. VMware vSphere Essentials uses a unique step-by-step instructions designed to provide a high-level understanding, accompanied by illustrative images. What You'll Learn Enhance network efficiency with advanced vSphere LACP setup Configure and manage virtual machines in vSphere Implement vSphere networking and storage Explore advanced vSphere features, such as DRS, HA, and fault tolerance Master seamless VM migration techniques Optimize hardware utilization with direct path I/O passthrough Who This Book Is For System administrators, advanced vSphere administrators, and IT professionals pursuing VMware certifications.
