

Chapter 7

Cloud Architecture and Datacenter Design

Summary: This chapter covers the design principles and enabling technologies for cloud platform architectural design. We start with datacenter design and management. Then we present the design choices of cloud platforms. The topics covered include layered platform design, virtualization support, resource provisioning, and infrastructure management. Chapter 8 will cover cloud computing platforms built by Google, Amazon, IBM, Microsoft, and Salesforce.com. Case studies of some current and future clouds will be given in Chapter 9.

7.1	Cloud Computing and Service Models	2
7.1.1	Public, Private, and Hybrid Clouds	
7.1.2	Cloud Ecosystem and Enabling Technologies	
7.1.3	Popular Cloud Service Models	
7.2	Datacenter Design and Interconnection Networks	10
7.2.1	Warehouse-Scale Datacenter Design	
7.2.2	Datacenter Interconnections Networks	
7.2.3	Modular Datacenter in Truck Container	
7.2.4	Interconnection of Modular datacenters	
7.2.5	Datacenter Management Issues	
7.3	Architectural Design of Computing Clouds	19
7.3.1	Cloud Architecture Design Technologies	
7.3.2	Layered Cloud Architectural development	
7.3.3	Virtualization Support and Disaster Recovery	
7.3.4	Data and Software Protection Techniques	
7.4	Cloud Platforms and Service Models	28
7.4.1	Cloud Platforms and Providers	
7.4.2	Cloud Service Models and Extensions	
7.4.3	Trends in Cloud Service Applications	
7.5	Resource Management and Design Challenges	33
7.5.1	Resource Provisioning and Platform Deployment	
7.5.2	Cloud Resource Management Issues	
7.5.3	Cloud Architecture Design Challenges	
7.6	Cloud Security and Trust Management	42
7.6.1	Cloud Security Defense Strategies	
7.6.2	Distributed Intrusion/Anomaly Detection	
7.6.3	Reputation-Guided Protection of Datacenters	
7.7	References and Homework Problems	50

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Table of Contents Chapter 7 Cloud Architecture And Datacenter Design

1. Understanding the eBook Chapter 7 Cloud Architecture And Datacenter Design
 - The Rise of Digital Reading Chapter 7 Cloud Architecture And Datacenter Design
 - Advantages of eBooks Over Traditional Books
2. Identifying Chapter 7 Cloud Architecture And Datacenter Design
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Chapter 7 Cloud Architecture And Datacenter Design
 - User-Friendly Interface
4. Exploring eBook Recommendations from Chapter 7 Cloud Architecture And Datacenter Design
 - Personalized Recommendations
 - Chapter 7 Cloud Architecture And Datacenter Design User Reviews and Ratings
 - Chapter 7 Cloud Architecture And Datacenter Design and Bestseller Lists
5. Accessing Chapter 7 Cloud Architecture And Datacenter Design Free and Paid eBooks
 - Chapter 7 Cloud Architecture And Datacenter Design Public Domain eBooks
 - Chapter 7 Cloud Architecture And Datacenter Design eBook Subscription Services
 - Chapter 7 Cloud Architecture And Datacenter Design Budget-Friendly Options
6. Navigating Chapter 7 Cloud Architecture And Datacenter Design eBook Formats

- ePub, PDF, MOBI, and More
 - Chapter 7 Cloud Architecture And Datacenter Design Compatibility with Devices
 - Chapter 7 Cloud Architecture And Datacenter Design Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Chapter 7 Cloud Architecture And Datacenter Design
 - Highlighting and Note-Taking Chapter 7 Cloud Architecture And Datacenter Design
 - Interactive Elements Chapter 7 Cloud Architecture And Datacenter Design
 8. Staying Engaged with Chapter 7 Cloud Architecture And Datacenter Design
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Chapter 7 Cloud Architecture And Datacenter Design
 9. Balancing eBooks and Physical Books Chapter 7 Cloud Architecture And Datacenter Design
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Chapter 7 Cloud Architecture And Datacenter Design
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Chapter 7 Cloud Architecture And Datacenter Design
 - Setting Reading Goals Chapter 7 Cloud Architecture And Datacenter Design
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Chapter 7 Cloud Architecture And Datacenter Design
 - Fact-Checking eBook Content of Chapter 7 Cloud Architecture And Datacenter Design
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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