

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.

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