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Sommario/riassunto	Applies lean manufacturing principles across the cloud service delivery chain to enable application and infrastructure service providers to sustainably achieve the shortest lead time, best quality, and value This book focuses on lean in the context of cloud computing capacity management of applications and the physical and virtual cloud resources that support them. Lean Computing for the Cloud considers business, architectural and operational aspects of efficiently delivering valuable services to end users via cloud-based applications hosted on shared cloud infrastructure. The work also focuses on overall optimization of the service delivery chain to enable both application service and infrastructure service providers to adopt leaner, demand driven operations to serve end users more efficiently. The book's early chapters analyze how capacity management morphs with cloud computing into interlocked physical infrastructure capacity management, virtual resource capacity management, and application capacity management as a lean thinking problem, lay out strategies for

applying lean thinking best practices across the cloud service delivery chain, and apply key lean insights from other industries. Later chapters discuss lean reserve capacity, lean demand management, optimal power management, and quantitative performance metrics of lean capacity management, which can be used to methodically drive continuous improvement of lean cloud computing deployments. The final chapter summarizes the book's insights on lean strategies to minimize waste across the cloud computing service delivery chain. . Applies lean thinking across the cloud service delivery chain to recognize and minimize waste. Leverages lessons learned from electric power industry operations to operations of cloud infrastructure. Applies insights from just-in-time inventory management to operation of cloud based applications. Explains how traditional, Information Technology Infrastructure Library (ITIL) and Enhanced Telecom Operation Map (eTOM) capacity management evolves to lean computing for the cloud This book is geared toward professionals with business, operational, architectural, development, and quality backgrounds in the information and communication technology industry. Eric Bauer is Reliability Engineering Manager in the IP Platforms Group of Alcatel-Lucent. Before focusing on reliability engineering, Mr. Bauer spent two decades designing and developing embedded firmware, networked operating systems, internet platforms, and optical transmission systems. He has been awarded more than a dozen US patents, and has authored several books such as Service Quality of Cloud-Based Applications, Reliability and Availability of Cloud Computing, and Design for Reliability: Information and Computer-Based Systems, all of which were published by Wiley-IEEE Press. Mr. Bauer earned his BS in Electrical Engineering from Cornell University and MS in Electrical Engineering from Purdue University.