



Engineering Scalable, Elastic, and Cost-Efficient Cloud Computing Applications

By Steffen Becker

Springer-Verlag GmbH Jun 2017, 2017. Buch. Condition: Neu. Neuware - This book provides an overview of the problems involved in engineering scalable, elastic, and cost-efficient cloud computing services and describes the CloudScale method - a description of rescuing tools and the required steps to exploit these tools. It allows readers to analyze the scalability problem in detail and identify scalability anti-patterns and bottlenecks within an application. With the CloudScale method, software architects can analyze both existing and planned IT services. The method allows readers to answer questions like: - With an increasing number of users, can my service still deliver acceptable quality of service - What if each user uses the service more intensively Can my service still handle it with acceptable quality of service - What if the number of users suddenly increases Will my service still be able to handle it - Will my service be cost-efficient First the book addresses the importance of scalability, elasticity, and cost-efficiency as vital quality-related attributes of modern cloud computing applications. Following a brief overview of CloudScale, cloud computing applications are then introduced in detail and the aspects that need to be captured in models of such applications are discussed. In CloudScale,...



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