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Mastering cloud computing: foundations and applications programming / Rajkumar Buyya, Christian Vecchiola, S. Thamarai Selvi

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Abstrak

Mastering cloud computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won?t live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems.

The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout.