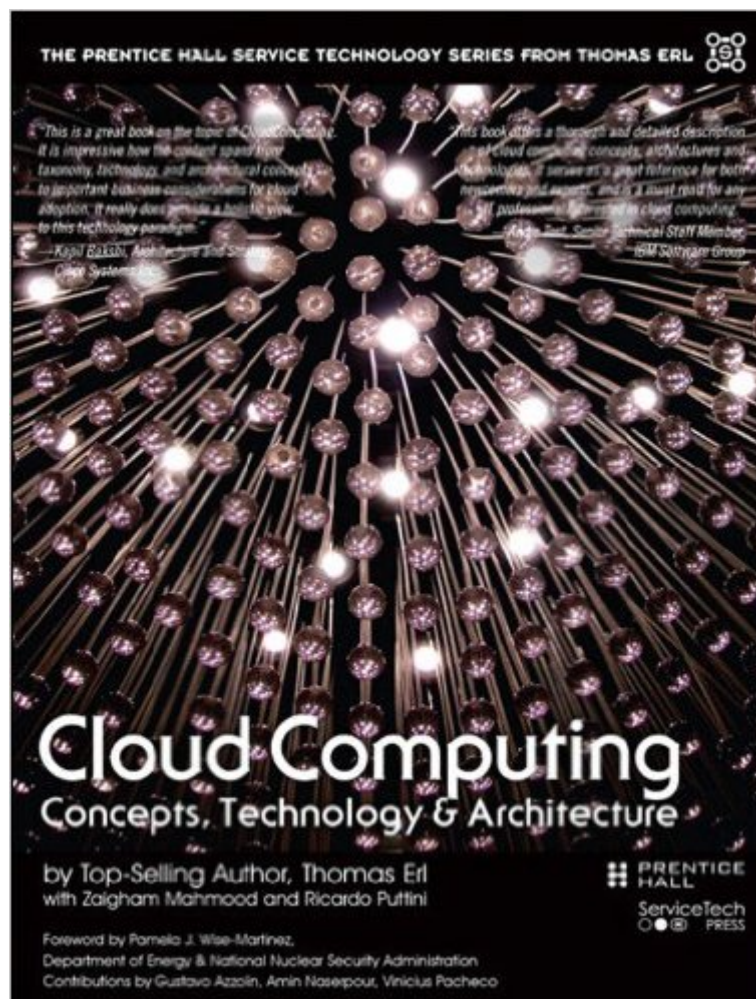# Cloud Computing: Concepts, Technology & Architecture (The Prentice Hall Service Technology Series From Thomas Erl)

Synopsis

Clouds are distributed technology platforms that leverage sophisticated technology innovations to provide highly scalable and resilient environments that can be remotely utilized by organizations in a multitude of powerful ways. To successfully build upon, integrate with, or even create a cloud environment requires an understanding of its common inner mechanics, architectural layers, and models, as well as an understanding of the business and economic factors that result from the adoption and real-world use of cloud-based services. In Cloud Computing: Concepts, Technology & Architecture, Thomas Erl, one of the worldâ ™s top-selling IT authors, teams up with cloud computing experts and researchers to break down proven and mature cloud computing technologies and practices into a series of well-defined concepts, models, technology mechanisms, and technology architectures, all from an industry-centric and vendor-neutral point of view. In doing so, the book establishes concrete, academic coverage with a focus on structure, clarity, and well-defined building blocks for mainstream cloud computing platforms and solutions. Subsequent to technology-centric coverage, the book proceeds to establish business-centric models and metrics that allow for the financial assessment of cloud-based IT resources and their comparison to those hosted on traditional IT enterprise premises. Also provided are templates and formulas for calculating SLA-related quality-of-service values and numerous explorations of the SaaS, PaaS, and IaaS delivery models. With more than 260 figures, 29 architectural models, and 20 mechanisms, this indispensable guide provides a comprehensive education of cloud computing essentials that will never leave your side.

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Customer Reviews

As the title of this book says, it's mainly about "concepts" and "architecture" of Cloud Computing, i.e. a very thin treatment of all topics, with lots of diagrams (they are nicely drawn though), providing almost no insight into how each concept may be implemented using what current hardware or software technology. The rhythm of the book is like this: if you put concept C and concept D together, and add a new concept E, which is described at a very very high level in maybe one paragraph of text, then you'll get this architecture diagram X. Now that you know a little bit about concept E, let's put concept A and concept B and concept E together, and you'll get this architecture diagram Y. Repeat ad infinitum. If you have the stamina to follow this rhythm to the end of the book, you'll be able to talk BIG WORDS about cloud computing. But if someone asks you more about each of these "concepts", how they are implemented in real life (or whether they are actually implemented by any cloud vendors at all), I doubt that you can provide an answer, I can't. The prose is well composed, without crazy grammar errors like lots of other technical books.

This book was a complete disappointment, given some other reviews and the book ads themselves. I was looking for a book I could use as a backing reference for a grad/undergrad course on virtualization and cloud computing. It turned out to be a series of returning lists of basic facts, definitions and simple illustrations of step-by-step use cases and scenarios, everything treated in a very superficial fashion. Not really worth the time it took to browse over it.

Seems like the author packed in every bit of data related to cloud computing but didn't give much insight into the topic. Lots of colorful graphics but it felt like they were just padding the text instead of adding to it.

I liked the structure and scope of the book, however disliked the verbosity of the book.I had all the time a feeling like 'haven't I read this five pages before?'. I believe the content could easily fit into 150 pages, this is wasting the time of the readers, and also boring.

I imagine that, if one were to take out all the grandiloquence and verbosity -- to express the useful content of the entire book in the most effective way possible -- you would have yourself a nice pamphlet.

This book presents a panoramic view of the Cloud Computing space for an IT savvy reader. If you were to expand the knowledge on Cloud Computing in definitive way, I would strongly recommend this work by the authors.

This book provided a solid overview of cloud computing. I have a degree in CS and felt like this book was a little light on the technical details. On the other hand the material spanned a large range of topics that were easy to digest, even ones that were somewhat new. I finished the book in a very short time. Since this book is pretty cheap and quick to read I would recommend giving it a once over if you're interested in the subject.

Not worth the money and time. It's written in such a way that the explanation is clear as mud. I bought it based on the good reviews but now I question all those 5 star reviews.If you are starting out in cloud computing - it's best to avoid this one.

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