Cloud Computing Design Patterns (The Prentice Hall Service Technology Series from Thomas Erl)

Thomas Erl, Robert Cope, Amin Naserpour

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"This book continues the very high standard we have come to expect from ServiceTech Press. The book provides well-explained vendor-agnostic patterns to the challenges of providing or using cloud solutions from PaaS to SaaS. The book is not only a great patterns reference, but also worth reading from cover to cover as the patterns are thought-provoking, drawing out points that you should consider and ask of a potential vendor if you're adopting a cloud solution."
--**Phil Wilkins**, Enterprise Integration Architect, Specsavers

"Thomas Erl's text provides a unique and comprehensive perspective on cloud design patterns that is clearly and concisely explained for the technical professional and layman alike. It is an informative, knowledgeable, and powerful insight that may guide cloud experts in achieving extraordinary results based on extraordinary expertise identified in this text. I will use this text as a resource in future cloud designs and architectural considerations."
--**Dr. Nancy M. Landreville**, CEO/CISO, NML Computer Consulting

The Definitive Guide to Cloud Architecture and Design
Best-selling service technology author Thomas Erl has brought together the de facto catalog of design patterns for modern cloud-based architecture and solution design. More than two years in development, this book's 100+ patterns illustrate proven solutions to common cloud challenges and requirements. Its patterns are supported by rich, visual documentation, including 300+ diagrams.

The authors address topics covering scalability, elasticity, reliability, resiliency, recovery, data management, storage, virtualization, monitoring, provisioning, administration, and much more. Readers will further find detailed coverage of cloud security, from networking and storage safeguards to identity systems, trust assurance, and auditing.

This book's unprecedented technical depth makes it a must-have resource for every cloud technology architect, solution designer, developer, administrator, and manager.

Topic Areas

• Enabling ubiquitous, on-demand, scalable network access to shared pools of configurable IT resources
• Optimizing multitenant environments to efficiently serve multiple unpredictable consumers
• Using elasticity best practices to scale IT resources transparently and automatically
• Ensuring runtime reliability, operational resiliency, and automated recovery from any failure
• Establishing resilient cloud architectures that act as pillars for enterprise cloud solutions
• Rapidly provisioning cloud storage devices, resources, and data with minimal management effort
• Enabling customers to configure and operate custom virtual networks in SaaS, PaaS, or IaaS environments
• Efficiently provisioning resources, monitoring runtimes, and handling day-to-day administration
• Implementing best-practice security controls for cloud service architectures and cloud storage
• Securing on-premise Internet access, external cloud connections, and scaled VMs
• Protecting cloud services against denial-of-service attacks and traffic hijacking

- Establishing cloud authentication gateways, federated cloud authentication, and cloud key management
- Providing trust attestation services to customers
- Monitoring and independently auditing cloud security
- Solving complex cloud design problems with compound super-patterns

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From reader reviews:

Omar Carter:

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People live in this new moment of lifestyle always make an effort to and must have the extra time or they will get lots of stress from both way of life and work. So , when we ask do people have spare time, we will say absolutely sure. People is human not only a robot. Then we question again, what kind of activity do you have when the spare time coming to a person of course your answer will certainly unlimited right. Then do you try this one, reading guides. It can be your alternative inside spending your spare time, the actual book you have read will be Cloud Computing Design Patterns (The Prentice Hall Service Technology Series from Thomas Erl).

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Cloud Computing Design Patterns (The Prentice Hall Service Technology Series from Thomas Erl) can be one of your basic books that are good idea. All of us recommend that straight away because this e-book has good vocabulary that could increase your knowledge in vocabulary, easy to understand, bit entertaining but nonetheless delivering the information. The writer giving his/her effort to get every word into enjoyment arrangement in writing Cloud Computing Design Patterns (The Prentice Hall Service Technology Series from Thomas Erl) although doesn't forget the main place, giving the reader the hottest as well as based confirm resource data that maybe you can be considered one of it. This great information can drawn you into brand new stage of crucial thinking.

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