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

Von Thomas Erl, Robert Cope, Amin Naserpour
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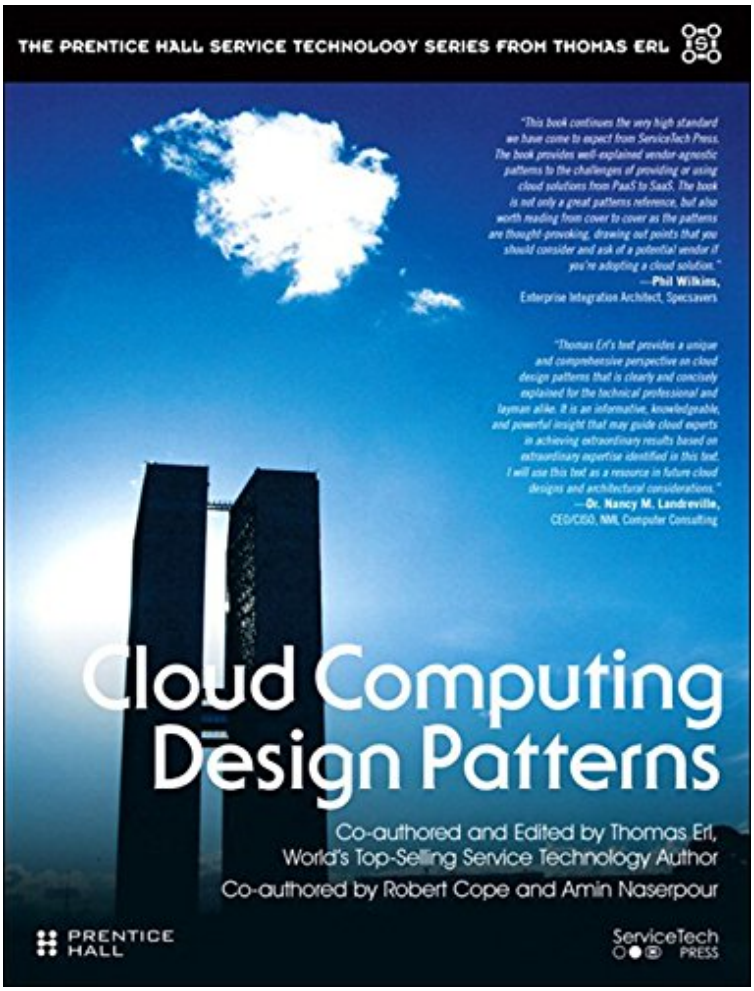

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Von Thomas Erl, Robert Cope, Amin Naserpour : Cloud Computing Design Patterns (The Prentice Hall Service Technology Series from Thomas Erl) before purchasing it in order to gage whether or not it would be worth my time, and all praised Cloud Computing Design Patterns (The Prentice Hall Service Technology Series from Thomas Erl):

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. For cloud infrastructure providers only ...Von Andreas NeubacherThe introduction says "This book is aimed at the IT professionals who [...] design and architecture of cloud-based services and solutions".Thus I expected patterns that help design services deployed within cloud platforms from , Microsoft, etc.Unfortunately, nearly all patterns given in

the book deal with problems of IT professionals who need to set up elementary cloud infrastructure - viz. references to hypervisors, physical network adapters, etc.As a *customer* of a cloud vendor who needs to design "cloud-based services", I would not deal with this level of infrastructure.Furthermore, many of the "patterns" rather describe use cases - the suggested solutions frequently are at an abstraction level that does not provide much insight beyond the problem statement itself. For example, I do not see much value in saying "apply pattern Service Load Balancing (32)" instead of "use a load balancer" - and the same holds for the majority of the other patterns.So in conclusion I was disappointed both by the topics covered by the patterns as well as by the quality of the solutions described by the patterns.

KurzbeschreibungThis book continues the very high standard we have come toexpect from ServiceTech Press. The book provideswell-explainedvendor-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 arethought-provoking,drawing out points that you should consider and ask of a potential vendor if youre adopting a cloud solution.--Phil Wilkins, Enterprise Integration Architect, Specsavers Thomas Erls 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 books 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 books 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 KurzbeschreibungThis book continues the very high standard we have come toexpect from ServiceTech Press. The book provideswell-explainedvendor-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 arethought-provoking,drawing out points that you should consider and ask of a potential vendor if youre adopting a cloud solution.--Phil Wilkins, Enterprise Integration Architect, Specsavers Thomas Erls 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 books 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. 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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 ber den Autor und weitere MitwirkendeThomas Erl is a top-selling IT author, founder of Arcitura Education Inc., and series editor of the Prentice Hall Service Technology Series from Thomas Erl. With more than 200,000 copies in print worldwide, his books have become international bestsellers and have been formally endorsed by senior members of major IT organizations, such as IBM, Microsoft, Oracle, Intel, Accenture, IEEE, HL7, MITRE, SAP, CISCO, HP, and many others. As CEO of Arcitura Education Inc., Thomas has led the development of curricula for the internationally recognized Big Data Science Certified Professional (BDSCP), Cloud Certified Professional (CCP), and SOA Certified Professional (SOACP) accreditation programs, which have established a series of formal, vendor-neutral industry certifications obtained by thousands of IT professionals around the world. Thomas has toured more than 20 countries as a speaker and instructor. More than 100 articles and interviews by Thomas have been published in numerous publications, including The Wall Street Journal and CIO Magazine. Robert Cope has more than 25 years of experience in mission-critical systems development, spanning all aspects of the software system engineering lifecycle from architectural development, experimentation and prototyping, requirements development, design, implementation, and operations to acquisition program management for large systems. With more than 10 years in research, development, and implementation of security architecture, Public Key Infrastructure (PKI) security technology, and security services for large organizations, he has vast experience in information assurance, identity management deployment, operations, and maintenance of large-scale high assurance identity management enclaves. Robert is the CEO of Homeland Security Consultants, a Federal Risk and Authorization Management Program (FedRAMP)-approved Third Party Assessment Organization (3PAO) for certifying cloud services. He led the development of the virtualization and cloud computing architecture for a large organization and was the chief architect responsible for the development of an enterprise authentication service, leading a team to integrate the organization's identity and access management service architecture using Model Based System Engineering (MBSE) and the System Modeling Language (SysML). Robert is a Certified Trainer for Arcitura's Cloud School and SOA School. He has been a contributing member of the National Institute of Standards and Technology (NIST) Cloud-adapted Risk Management Framework (CRMF) and a contributing member of the Organization for the Advancement of Structured Information Standards (OASIS) IdCloud Technical Committee. He is also a member of the International Council on Systems Engineering (INCOSE). A certified IT professional with over 14 years of experience in solution architecture and design, engineering, and consultation, Amin Naserpour specializes in designing medium to enterprise-level complex solutions for partially to fully virtualized front-end infrastructures. His portfolio includes clients such as VMware, Microsoft, and Citrix, and his work consists of integrating front-ends with back-end infrastructure-layer solutions. Amin designed a unified, vendor-independent cloud computing framework that he presented at the 5th International SOA, Cloud + Service Technology Symposium in 2012. Certified in cloud computing, virtualization, and storage, Amin currently holds Technical Consultant and Cloud Operations Lead positions for Hewlett-Packard, Australia.