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Learning AWS

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Design, build, and deploy responsive applications using AWS cloud components

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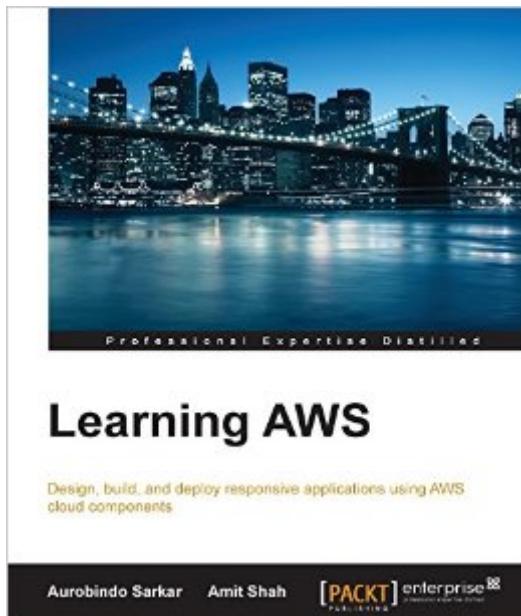
Synopsis

Design, build, and deploy responsive applications using AWS cloud componentsAbout This BookBuild scalable and highly available real-time applicationsMake cost-effective architectural decisions by implementing your productâ ™s functional and non-functional requirementsDevelop your skills with hands-on exercises using a three-tiered service oriented application as an exampleWho This Book Is ForThis book is targeted at expert programmers and architects wanting to learn AWS. Some familiarity with Spring, MySQL, and RESTful web services is assumed.What You Will LearnMulti-tenant design approaches for SaaS applicationsPlanning dev, test, staging, and production environmentsDesign considerations for scalability and high-availabilityPlanning for DRThe security considerations and implementation of AWS applicationsProduction deployment processes and toolsMonitoring AWS applications using CloudWatchAutomating infrastructure using CloudFormationIn DetailWith the increasing global interest in leveraging cloud infrastructure, AWS Cloud from offers a cutting-edge platform for architecting, building, and deploying web-scale cloud applications. The variety of features available within AWS can reduce overall infrastructure costs and accelerate the development process for both large enterprises and startups alike.Beginning with basic cloud concepts, you'll learn about the various cloud services models and the design implications of multi-tenant applications. You'll then design, implement, and deploy a multi-tier, scalable, highly-available and secure application on the AWS platform. At every step, we explain the key guiding principles driving real-world production-ready application architectures. Finally, you will learn how to automate your cloud infrastructure, set up operations, application monitoring, and DevOps pipeline.

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Customer Reviews

After almost 10 years since the EC2 service was first launched, still securely controls the IaaS market, despite the number of contenders significantly increased since. This dominance resulted in legions of start-up entering the PaaS market, building their services on top of AWS, as well as in an abundance of blogs and books dedicated to it. Part of this literature covers a specific service and thus targets a small niche; other parts give instead an overview of the services or a good part of them. Learning AWS belongs in the latter category: it targets DevOps and Cloud Architects with little or no experience with the AWS and aims to teach them about the basic features of the key services, so that they can easily get started. Yea, yet another introduction to some of the services of the Web Services.Writing a book that introduces the reader to the whole ecosystem is hard. Not because the services are hard to understand and/or their features keps secret. On the contrary, the difficulty comes from the fact that, on the one hand provides an excellent and very detailed documentation, which they often update; on the other hand, the internet and the bookstores are invaded by a horde of articles and books, respectively, that do the same. So, while the task per se is easy, it is instead very hard to provide the reader with value that make the purchase worth it.The very first thing that grasps the attention of the enthusiast reading the book is the presence of two kinds of images: some are very detailed and colorful, while others are very spartan and all in black and white. The former are screenshots taken from (not sure if from an ad hoc session or from the official documentation itself), while the latter are made by the author.

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