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# AWS Development Essentials



## AWS Development Essentials

Design and build flexible, highly scalable, and cost-effective applications using Amazon Web Services

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[PACKT] enterprise  
PUBLISHING professional expertise distilled



## Synopsis

Design and build flexible, highly scalable, and cost-effective applications using Web Services  
About This Book  
Integrate and use AWS services in an application  
Reduce the development time and billing cost using the AWS billing and management console  
This is a fast-paced tutorial that will cover application deployment using various tools along with best practices for working with AWS services  
Who This Book Is For  
This book is intended for expert programmers and architects who want to learn how to migrate the existing infrastructure to AWS Cloud and start using AWS services in all application tiers. Basic knowledge of Java and competence in cloud computing will be needed to follow the examples in this book.  
What You Will Learn  
Set up the AWS plugin and perform AWS operations in Eclipse IDE  
Install, configure, and perform AWS operations using AWS SDK  
Configure Relational Database Service and use it in your application backend  
Deploy and manage web applications using Elastic Beanstalk  
Design and send notifications to multiple devices and endpoints  
Create and use AWS services in an isolated network  
Integrate all AWS services in a web application  
In Detail  
This book is a fast-paced guide to help you with architecture systems and solve technical problems using the latest cloud computing technologies. Starting with the introduction to AWS, you will learn about identifying key AWS storage options, EBS, S3 bucket creation, and sample code and libraries. You will learn about computing and networking services using EBS and EC2 instances. You will efficiently be able to manage services and databases using DynamoDB and understand the key aspects of RDS. You will also learn about deployment and maintenance using CloudWatch metrics and alarms, Identity and Access Management (IAM), and AWS Elastic Beanstalk. Finally, you will explore service object models and the baseline concept of SNS and SQS, and then build an app using these new skills. By the end of this book, you will have learned how to effectively manage your application on AWS by using the AWS SDKs and APIs, as well as the AWS Management Console.

## Book Information

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## Customer Reviews

This book is poorly written, is very light on actual content, and has clearly not been edited\*. The biggest problems with this book are that it's 70% non-information filler interspersed with maybe 30% useful content, presented as links or copied and pasted charts from public locations. The information it does provide is rote data and devoid of the guidance one would expect from an expert in the field of Cloud services. For example, the first chapter informs you of 5 security features provided by : multi-factor authentication, access keys, cloud-front key pairs, X.509 Certificates, and passwords. While it walks you through how to set these up, it doesn't tell you is where each of these are relevant or how you should chose between them. Given how straight-forward the AWS console is, it's a complete joke to spend more time on such walk-throughs than on the guidance that is actually lacking from 's own documentation.\*Here just one of many examples showing a clear lack of review: "Therefore, if a user wants their EBS-backed instance to store volumes, they must postulate them using a block device mapping" Postulate? seriously? Such errors would be excusable on their own, but in this case, they're symptomatic of the entire work.

The authors take a step by step approach to familiarizing the reader with the tools and workflow needed to use AWS for a number of purposes. The overview of VPC and AMI setup will help the reader become quickly familiar with a functioning environment but it doesn't talk very much about the huge number of other potential use cases. If you are getting up to speed with AWS this book covers a lot of the initial setup that you will need to be productive. Given my somewhat broader experience with AWS I found much of the book review but for newcomers this book will guide you step by step and covers some of the areas I had figure out myself with simple tutorials. Packt does a good job of publishing timely technology information here and in other books.

I think the documents in aws site is better than this book.

It's easy to setup, it's faster than most on its range and it's very affordable.

Great examples. Very good book.

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