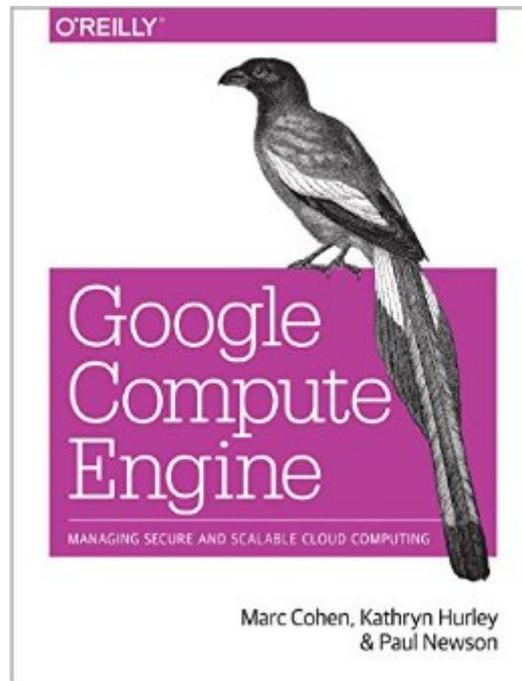


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# Google Compute Engine



## Synopsis

Learn how to run large-scale, data-intensive workloads with Compute Engine, Google's cloud platform. Written by Google engineers, this tutorial walks you through the details of this Infrastructure as a Service by showing you how to develop a project with it from beginning to end. You'll learn best practices for using Compute Engine, with a focus on solving practical problems. With programming examples written in Python and JavaScript, you'll also learn how to use Compute Engine with Docker containers and other platforms, frameworks, tools, and services. Discover how this IaaS helps you gain unparalleled performance and scalability with Google's advanced storage and computing technologies. Access and manage Compute Engine resources with a web UI, command-line interface, or RESTful interface. Configure, customize, and work with Linux VM instances. Explore storage options: persistent disk, Cloud Storage, Cloud SQL (MySQL in the cloud), or Cloud Datastore NoSQL service. Use multiple private networks, and multiple instances on each network. Build, deploy, and test a simple but comprehensive cloud computing application step-by-step. Use Compute Engine with Docker, Node.js, ZeroMQ, Web Starter Kit, AngularJS, WebSocket, and D3.js.

## Book Information

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## Customer Reviews

I have always preferred AWS for Cloud Services including EC2, Route53, S3, Elastic LB, IAM, etc. While I still love Web Services and will likely continue to use many of those products the Google Cloud offers some advantages and some scenarios where it makes more sense. Google

Compute Engine came out of the gate in what appears to be a API focused solution thus making it more for the technically inclined than the absolute ease of AWS. Google definitely offers a nice GUI console as well for the Google Cloud and AWS definitely offers a great API for those interested in interfacing with their cloud services in that manner but again it appears that Google focused more initially in the API and AWS more in the GUI. AWS has been around much longer so most of their services are really polished. Anyhow one of things things I really dig about the Google Cloud is noted below. \* Local SSD's: Google offers Local SSD's for VM Instances with insane IOPS that I have tested and hold true to the speeds noted. While the local SSD's are still in Beta and not included in the book I wanted to note because they rock. Read/Write IOPS are 170,000/90,000. Back to the book which doesn't always go into too much detail as it is intended as a starting point to familiarize those new to Cloud Services such as the Google Cloud, AWS or Rackspace to get introduced into the overall capabilities of the Google Cloud. I feel it does a great job of providing this introduction and letting the end user of these services know what they can accomplish via "The Cloud". Google Compute Engine takes a ton of man hours out of hardware and core software management so they can focus their dollars on custom application development and features to help companies wow their customers. If you need a not too deep down the rabbit hole overview of Google Compute Engine this O'Reilly book is for you.

Very useful introductory guidance to working with GCE, covering all the basics quite simply and effectively, with many useful examples of how to perform key tasks in each of three ways (command-line, web console, Python programs). The issues the book covers are of course also covered by a cornucopia of existing online materials, but the book's added value is in linear guidance, selection of just the key topics, systematic approach. The last chapter is a sudden explosion of many other technologies, including but not limited to node.js and Angular, to show how to put together a rich, complete GCE application -- that one chapter, I'll need to revisit as I gain a stronger grasp of the "many other technologies" in question.

It went from basics to suddenly writing a docker app. Not really a thorough review of the entire gce environment.

An excellent overview with good coding examples. I highly recommend it for anyone new to Google cloud. Enjoyed the way the authors illustrate multiple ways to do things.

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