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Google Compute Engine Packt Publishing Ltd

Make the most of GCP's offerings to manage your data center workload and optimize deployments Key Features Discover new techniques to administer, manage, and deploy applications on GCP Understand effective solutions for storing, retrieving, and deploying your container images Explore various offerings of GCP for operations and security Book Description On-premise data

centers are costly to manage. If you need a data center but don't want to deal with a physical one, Google Cloud Platform (GCP) is the solution. With GCP, you can build, test, and deploy applications on Google's infrastructure. Google Cloud Platform Administration begins with GCP fundamentals, with the help of which you will deploy your first app and gain an understanding of Google Cloud architecture and services. Furthermore, you will learn how to manage Compute, networking, and storage resources. As you make your way through the book, you will learn how to track and manage GCP's usage, monitoring, and billing access control. You will also be able to manage your GCP's access and permissions. In the concluding chapters, you will explore a list of different developer tools for managing and interacting with the GCP platform. By the end of this book, you will have learned how to effectively deploy workloads on GCP. What you will learn Understand all GCP Compute components Deploy and manage multiple GCP storage options Manage and utilize the networking resources offered by GCP Explore the functionalities and features of the GCP Container Understand the workings of GCP operations such as monitoring and error reporting Discover an immune GCP using its identity and security options Who this book is for Google Cloud Platform Administration is for administrators, cloud architects, and engineers who want to leverage the upcoming Google Cloud Platform. Some basic understanding of cloud computing will be useful. [Google Cloud Developer Certification](#) Packt Publishing Ltd

Develop, deploy, and scale your applications with Google Cloud Platform Key Features Create and deploy your applications on Google Cloud Platform Store and manage source code and debug Cloud-hosted apps with plugins and IDEs Streamline developer workflows with tools for alerting and managing deployments Book Description Google Cloud Platform (GCP) provides autoscaling compute power and distributed in-memory cache, task queues, and datastores to write, build, and deploy Cloud-hosted applications. With Google Cloud Platform for Developers, you will be able to develop and deploy scalable applications from scratch and make them globally available in almost any language. This book will guide you in designing, deploying, and managing applications running on Google Cloud. You'll start with App Engine and move on to work with Container Engine, compute engine, and cloud functions. You'll learn how to integrate your new applications with the various data solutions on GCP, including Cloud SQL, Bigtable, and Cloud Storage. This book will teach you how to streamline your workflow with tools such as Source Repositories, Container Builder, and StackDriver. Along the way, you'll see how to deploy and debug services with IntelliJ, implement continuous delivery pipelines, and configure robust monitoring and alerting for your production systems. By the end of this book, you'll be well-versed with all the development tools of Google Cloud Platform, and you'll develop, deploy, and manage highly scalable and reliable applications. What you will learn Understand the various service offerings on GCP Deploy and run

services on managed platforms such as App Engine and Container Engine Securely maintain application states with Cloud Storage, Datastore, and Bigtable Leverage StackDriver monitoring and debugging to minimize downtime and mitigate issues without impacting users Design and implement complex software solutions utilizing Google Cloud Integrate with best-in-class big data solutions such as Bigquery, Dataflow, and Pub/Sub Who this book is for Google Cloud Platform for Developers is for application developers. This book will enable you to fully leverage the power of Google Cloud Platform to build resilient and intelligent software solutions.

Google Cloud Platform Cookbook "O'Reilly Media, Inc."

Get to grips with the tools, services, and functions needed for application migration to help you move from legacy applications to cloud-native on Google Cloud Key Features Discover how a sample legacy application can be transformed into a cloud-native application on Google Cloud Learn where to start and how to apply application modernization techniques and tooling Work with real-world use cases and instructions to modernize an application on Google Cloud Book Description Legacy applications, which comprise 75–80% of all enterprise applications, often end up being stuck in data centers. Modernizing these applications to make them cloud-native enables them to scale in a cloud environment without taking months or years to start seeing the benefits. This book will help software developers and solutions architects to modernize their applications on Google Cloud and transform them into cloud-native applications. This book helps you to build on your existing knowledge of enterprise application development and takes you on a journey through the six Rs: rehosting, replatforming, rearchitecting, repurchasing, retiring, and retaining. You'll learn how to modernize a legacy enterprise application on Google Cloud and build on existing assets and skills effectively. Taking an iterative and incremental approach to modernization, the book introduces the main services in Google Cloud in an easy-to-understand way that can be applied immediately to an application. By the end of this Google Cloud book, you'll have learned how to modernize a legacy enterprise application by exploring various interim architectures and tooling to develop a cloud-native microservices-based application. What you will learn Discover the principles and best practices for building cloud-native applications Study the six Rs of migration

strategy and learn when to choose which strategy Rehost a legacy enterprise application on Google Compute Engine Replatform an application to use Google Load Balancer and Google Cloud SQL Refactor into a single-page application (SPA) supported by REST services Replatform an application to use Google Identity Platform and Firebase Authentication Refactor to microservices using the strangler pattern Automate the deployment process using a CI/CD pipeline with Google Cloud Build Who this book is for This book is for software developers and solutions architects looking to gain experience in modernizing their enterprise applications to run on Google Cloud and transform them into cloud-native applications. Basic knowledge of Java and Spring Boot is necessary. Prior knowledge of Google Cloud is useful but not mandatory.

Programming Google App Engine with Java Cybellium Ltd Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Google is known for the scalability, reliability, and efficiency of its various online products, from Google Search to Gmail. And, the results are impressive. Google Search, for example, returns results literally within fractions of second. How is this possible? Google custom-builds both hardware and software, including servers, switches, networks, data centers, the operating system's stack, application frameworks, applications, and APIs. Have you ever imagined what you could build if you were able to tap the same infrastructure that Google uses to create and manage its products? Now you can! Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Using

this book as your compass, you can navigate your way through the Google Cloud Platform and turn your ideas into reality. The authors, both Google Developer Experts in Google Cloud Platform, systematically introduce various Cloud Platform products one at a time and discuss their strengths and scenarios where they are a suitable fit. But rather than a manual-like "tell all" approach, the emphasis is on how to Get Things Done so that you get up to speed with Google Cloud Platform as quickly as possible. You will learn how to use the following technologies, among others: Google Compute Engine Google App Engine Google Container Engine Google App Engine Managed VMs Google Cloud SQL Google Cloud Storage Google Cloud Datastore Google BigQuery Google Cloud Dataflow Google Cloud DNS Google Cloud Pub/Sub Google Cloud Endpoints Google Cloud Deployment Manager Author on Google Cloud Platform Google APIs and Translate API Using real-world examples, the authors first walk you through the basics of cloud computing, cloud terminologies and public cloud services. Then they dive right into Google Cloud Platform and how you can use it to tackle your challenges, build new products, analyze big data, and much more. Whether you're an independent developer, startup, or Fortune 500 company, you have never had easier to access to world-class production, product development, and infrastructure tools. Google Cloud Platform is your ticket to leveraging your skills and knowledge into making reliable, scalable, and efficient products—just like how Google builds its own products.

Building Your Next Big Thing with Google Cloud Platform Packt Publishing Ltd

Build cost-effective and robust cloud solutions with Google Cloud Platform (GCP) using these simple and practical recipes Key Features Explore the various service offerings of the GCP Host a Python application on Google Compute Engine Securely maintain application states with Cloud Storage, Datastore, and Bigtable Book Description GCP is a cloud computing platform with a wide range of products and services that enable you to build and deploy cloud-hosted applications. This Learning Path will guide you in using GCP and designing, deploying, and managing applications on Google Cloud. You will get started by learning how to use App Engine to access Google's scalable hosting and build software that runs on this framework. With the help of Google Compute Engine, you'll be able to host your workload on virtual

machine instances. The later chapters will help you to explore ways to implement authentication and security, Cloud APIs, and command-line and deployment management. As you hone your skills, you'll understand how to integrate your new applications with various data solutions on GCP, including Cloud SQL, Bigtable, and Cloud Storage. Following this, the book will teach you how to streamline your workflow with tools, including Source Repositories, Container Builder, and Stackdriver. You'll also understand how to deploy and debug services with IntelliJ, implement continuous delivery pipelines, and configure robust monitoring and alerts for your production systems. By the end of this Learning Path, you'll be well versed with GCP's development tools and be able to develop, deploy, and manage highly scalable and reliable applications. This Learning Path includes content from the following Packt products: *Google Cloud Platform for Developers* by Ted Hunter and Steven Porter, *Google Cloud Platform Cookbook* by Legorie Rajan, *PSWhat you will learn*, *Host an application using Google Cloud Functions*, *Migrate a MySQL database to Cloud Spanner*, *Configure a network for a highly available application on GCP*, *Learn simple image processing using Storage and Cloud Functions*, *Automate security checks using Policy Scanner*, *Deploy and run services on App Engine and Container Engine*, *Minimize downtime and mitigate issues with Stackdriver*, *Monitoring and Debugger*, *Integrate with big data solutions, including BigQuery, Dataflow, and Pub/Sub*. Who this book is for This Learning Path is for IT professionals, engineers, and developers who want to implement Google Cloud in their organizations. Administrators and architects planning to make their organization more efficient with Google Cloud will also find this Learning Path useful. Basic understanding of GCP and its services is a must.

Building Google Cloud Platform Solutions Packt Publishing Ltd Today's most advanced computing technology exists in large buildings containing vast arrays of low-cost servers. Enormous computing resources are housed in well-fortified, secure areas, maintained by teams of highly trained technicians. Compute Engine offers many advantages: leading-edge hardware, upgraded regularly and automatically; virtually unlimited capacity to grow or shrink a business on demand; a flexible charging model; an army of experts maintaining computing and networking resources; and the ability to host your resources in a global

network engineered for security and performance. This book provides a guided tour of Google Compute Engine, with a focus on solving practical problems. At a high level, Google Compute Engine is about giving you access to the world's most advanced network of data centers--the computing resources that power Google itself. Practically speaking, this means providing APIs, command-line tools and web user interfaces to use Google's computing and networking resources.

Google Cloud Platform Administration Packt Publishing Ltd Practical recipes to implement cost-effective and scalable cloud solutions for your organization Key Features Implement Google Cloud services in your organization Leverage Google Cloud components to secure your organization's data A recipe-based guide that promises hands-on experience in deploying a highly scalable and available environment Book Description Google Cloud Platform is a cloud computing platform that offers products and services to host applications using state-of-the-art infrastructure and technology. You can build and host applications and websites, store data, and analyze data on Google's scalable infrastructure. This book follows a recipe-based approach, giving you hands-on experience to make the most of Google Cloud services. This book starts with practical recipes that explain how to utilize Google Cloud's common services. Then, you'll see how to make full use of Google Cloud components such as networking, security, management, and developer tools. Next, we'll deep dive into implementing core Google Cloud services into your organization, with practical recipes on App Engine, Compute Engine microservices with Cloud Functions, virtual networks, and Cloud Storage. Later, we'll provide recipes on implementing authentication and security, Cloud APIs, command-line management, deployment management, and the Cloud SDK. Finally, we'll cover administration troubleshooting tasks with the Compute and Container Engines and we'll show how to monitor your organization's efficiency with best practices. By the end of this book, you'll have a complete understanding of how to implement Google Cloud services in your organization with ease. What you will learn Host a Python application on Google Compute Engine Host an application using Google Cloud Functions Migrate a MySQL DB to Cloud Spanner Configure a network for a highly available application on GCP Learn simple image processing using Storage and Cloud Functions Automate security checks using

Policy Scanner Understand tools for monitoring a production environment in GCP Learn to manage multiple projects using service accounts Who this book is for This book is for IT professionals, engineers, and developers looking at implementing Google Cloud in their organizations. Administrators and architects planning to make their organization more efficient with Google Cloud will also find this book useful. Basic understanding of Cloud services and the Google Cloud platform is necessary.

Building Your Next Big Thing with Google Cloud Platform Apress How to build highly scalable Java applications in the cloud with Google App Engine for intermediate and advanced web and mobile app developers.

The Definitive Guide to Modernizing Applications on Google Cloud "O'Reilly Media, Inc."

Google is known for the scalability, reliability, and efficiency of its various online products, from Google Search to Gmail. And, the results are impressive. Google Search, for example, returns results literally within fractions of second. How is this possible? Google custom-builds both hardware and software, including servers, switches, networks, data centers, the operating system's stack, application frameworks, applications, and APIs. Have you ever imagined what you could build if you were able to tap the same infrastructure that Google uses to create and manage its products? Now you can! *Building Your Next Big Thing with Google Cloud Platform* shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Using this book as your compass, you can navigate your way through the Google Cloud Platform and turn your ideas into reality. The authors, both Google Developer Experts in Google Cloud Platform, systematically introduce various Cloud Platform products one at a time and discuss their strengths and scenarios where they are a suitable fit. But rather than a manual-like "tell all" approach, the emphasis is on how to Get Things Done so that you get up to speed with Google Cloud Platform as quickly as possible. You will learn how to use the following technologies, among others: • Google

Compute Engine • Google App Engine • Google Container Engine • Google App Engine Managed VMs • Google Cloud SQL • Google Cloud Storage • Google Cloud Datastore • Google BigQuery • Google Cloud Dataflow • Google Cloud DNS • Google Cloud Pub/Sub • Google Cloud Endpoints • Google Cloud Deployment Manager • Author on Google Cloud Platform • Google APIs and Translate API Using real-world examples, the authors first walk you through the basics of cloud computing, cloud terminologies and public cloud services. Then they dive right into Google Cloud Platform and how you can use it to tackle your challenges, build new products, analyze big data, and much more. Whether you're

an independent developer, startup, or Fortune 500 company, you have never had easier to access to world-class prod...

Google Cloud Platform for Developers

Learn how to create dynamic web applications with Google Apps Script and take full advantage of your Google-hosted services. If you have basic coding skills and some JavaScript experience, this practical book shows you how Apps Script works, and provides step-by-step guidance for building applications you can use right away. Apps Script is handy for automating Google Apps tasks, but it also serves as a complete application platform. With this book,

you'll learn how to build, store, run, and share data-driven web apps right on Google Drive. You'll have access to complete code and working examples that show you how everything fits together. Build an interactive Web App UI that runs on most web and mobile browsers Create a sample product catalog that displays custom data from a spreadsheet Develop an application to generate web forms from templates Use Apps Script to build a simple web-based database application Design a document workflow builder that users can quickly customize Create a Google form that lets you select and send email responses Debug your code and keep track of script problems after deployment

Best Sellers - Books :

- [Flash Cards: Sight Words By Scholastic Teacher Resources](#)
- [Twisted Love \(twisted, 1\)](#)
- [World Of Eric Carle, Around The Farm 30-button Animal Sound Book - Great For First Words - Pi Kids By Pi Kids](#)
- [Twisted Lies \(twisted, 4\)](#)
- [The Body Keeps The Score: Brain, Mind, And Body In The Healing Of Trauma By Bessel Van Der Kolk M.d.](#)
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- [The Woman In Me By Britney Spears](#)
- [The Shadow Work Journal: A Guide To Integrate And Transcend Your Shadows](#)
- [A Court Of Thorns And Roses \(a Court Of Thorns And Roses, 1\) By Sarah J. Maas](#)