
Google Cloud Platform In Action

Google Cloud Platform for Machine Learning Essential Training

Building Google Cloud Platform Solutions

Latest Google Associate Cloud Engineer Exam Questions and Answers

Google Cloud Platform Administration

Data Mesh in Action

Scaling Google Cloud Platform

Google Cloud Platform in Action

Beginning Kubernetes on the Google Cloud Platform

Mastering AWS Lambda

Google Cloud Datastore: Second Edition

Hands-On Machine Learning on Google Cloud Platform

Google Cloud Certified Professional Cloud Developer Exam Guide

Google Cloud Platform for Architects

Build a Career in Data Science

Building Machine Learning and Deep Learning Models on Google Cloud Platform

Pro DevOps with Google Cloud Platform

Google Cloud Platform in Action

Mastering Big Data using Google Cloud Platform
Data Analytics with Google Cloud Platform
Google Cloud Platform for Developers
Hands-On Machine Learning on Google Cloud Platform
Practical AI on the Google Cloud Platform
Google Cloud Platform Cookbook
Professional Cloud Architect Google Cloud Certification Guide
Create your website and e-commerce at no cost. Thanks to WordPress and Google Cloud Platform
Mastering Big Data using Google Cloud Platform
Google Cloud Platform All-In-One Guide
Google Cloud Platform for Data Engineering
Practical AI on the Google Cloud Platform
Official Google Cloud Certified Professional Cloud Architect Study Guide
Google Cloud Certified Associate Cloud Engineer All-in-One Exam Guide
Google Cloud Platform A Complete Guide - 2020 Edition
International Joint Conference SOCO'16-CISIS'16-ICEUTE'16
Google Professional Cloud DevOps Engineer Preparation NEW & Exclusive Version
Google Anthos in Action
Data Science on the Google Cloud Platform

API Design Patterns

Google Cloud Platform an Architect's Guide

Google Cloud Platform - Networking

Cloud Native Apps on Google Cloud Platform

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LACI ALEAH

*Google Cloud Platform for
Machine Learning
Essential Training* Apress
Revolutionize the way
your organization
approaches data with a
data mesh! This new
decentralized architecture
outpaces monolithic lakes
and warehouses and can

work for a company of
any size. In Data Mesh in
Action you will learn how
to: Implement a data
mesh in your organization
Turn data into a data
product Move from your
current data architecture
to a data mesh Identify
data domains, and
decompose an
organization into smaller,
manageable domains Set
up the central governance
and local governance

levels over data Balance
responsibilities between
the two levels of
governance Establish a
platform that allows
efficient connection of
distributed data products
and automated
governance Data Mesh in
Action reveals how this
groundbreaking
architecture looks for both
small startups and large
enterprises. You won't
need any new

technology—this book shows you how to start implementing a data mesh with flexible processes and organizational change. You'll explore both an extended case study and multiple real-world examples. As you go, you'll be expertly guided through discussions around Socio-Technical Architecture and Domain-Driven Design with the goal of building a sleek data-as-a-product system. Plus, dozens of workshop techniques for both in-person and remote

meetings help you onboard colleagues and drive a successful transition. About the technology Business increasingly relies on efficiently storing and accessing large volumes of data. The data mesh is a new way to decentralize data management that radically improves security and discoverability. A well-designed data mesh simplifies self-service data consumption and reduces the bottlenecks created by monolithic data architectures. About the

book *Data Mesh in Action* teaches you pragmatic ways to decentralize your data and organize it into an effective data mesh. You'll start by building a minimum viable data product, which you'll expand into a self-service data platform, chapter-by-chapter. You'll love the book's unique "sliders" that adjust the mesh to meet your specific needs. You'll also learn processes and leadership techniques that will change the way you and your colleagues think about data. What's inside *Decompose an*

organization into manageable domains
 Turn data into a data product
 Set up central and local governance levels
 Build a fit-for-purpose data platform
 Improve management, initiation, and support techniques
 About the reader
 For data professionals. Requires no specific programming stack or data platform.
 About the author
 Jacek Majchrzak is a hands-on lead data architect. Dr. Sven Balnojan manages data products and teams. Dr. Marian Siwiak is a data

scientist and a management consultant for IT, scientific, and technical projects.
 Table of Contents
 PART 1 FOUNDATIONS
 1 The what and why of the data mesh
 2 Is a data mesh right for you?
 3 Kickstart your data mesh MVP in a month
 PART 2 THE FOUR PRINCIPLES IN PRACTICE
 4 Domain ownership
 5 Data as a product
 6 Federated computational governance
 7 The self-serve data platform
 PART 3 INFRASTRUCTURE AND TECHNICAL ARCHITECTURE
 8

Comparing self-serve data platforms
 9 Solution architecture design
Building Google Cloud Platform Solutions
 Packt Publishing Ltd
 What are the expected benefits of Google Cloud Datastore to the business? What are specific Google Cloud Datastore Rules to follow? Does Google Cloud Datastore systematically track and analyze outcomes for accountability and quality improvement? What is our Google Cloud Datastore Strategy? Do the Google

Cloud Datastore decisions we make today help people and the planet tomorrow? This amazing Google Cloud Datastore self-assessment will make you the dependable Google Cloud Datastore domain assessor by revealing just what you need to know to be fluent and ready for any Google Cloud Datastore challenge. How do I reduce the effort in the Google Cloud Datastore work to be done to get problems solved? How can I ensure that plans of action include every

Google Cloud Datastore task and that every Google Cloud Datastore outcome is in place? How will I save time investigating strategic and tactical options and ensuring Google Cloud Datastore costs are low? How can I deliver tailored Google Cloud Datastore advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Google Cloud Datastore

essentials are covered, from every angle: the Google Cloud Datastore self-assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that Google Cloud Datastore outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Google Cloud Datastore practitioners. Their mastery, combined with the easy elegance of the self-assessment,

provides its superior value to you in knowing how to ensure the outcome of any efforts in Google Cloud Datastore are maximized with professional results. Your purchase includes access details to the Google Cloud Datastore self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows you exactly what to do next. Your exclusive instant access details can be found in your book.

Latest Google Associate

Cloud Engineer Exam Questions and Answers
5starcooks
Step-by-step guide to different data movement and processing techniques, using Google Cloud Platform Services DESCRIPTION Modern businesses are awash with data, making data-driven decision-making tasks increasingly complex. As a result, relevant technical expertise and analytical skills are required to do such tasks. This book aims to equip you with enough knowledge of

Cloud Computing in conjunction with Google Cloud Data platform to succeed in the role of a Cloud data expert. The current market is trending towards the latest cloud technologies, which is the need of the hour. Google being the pioneer, is dominating this space with the right set of cloud services being offered as part of GCP (Google Cloud Platform). At this juncture, this book will be very vital and will cover all the services that are being offered by GCP, putting emphasis on Data

services. This book starts with sophisticated knowledge on Cloud Computing. It also explains different types of data services/technology and machine learning algorithm/Pre-Trained API through real-business problems, which are built on the Google Cloud Platform (GCP). With some of the latest business examples and hands-on guide, this book will enable the developers entering the data analytics fields to implement an end-to-end data pipeline, using GCP

Data services. Through the course of the book, you will come across multiple industry-wise use cases, like Building Datawarehouse using Big Query, a sample real-time data analytics solution on machine learning and Artificial Intelligence that helped with the business decision, by employing a variety of data science approaches on Google Cloud environment. Whether your business is at the early stage of cloud implementation in its journey or well on its way to digital transformation,

Google Cloud's solutions and technologies will always help chart a path to success. This book can be used to develop the GCP concepts in an easy way. It contains many examples showcasing the implementation of a GCP service. It enables the learning of the basic and advance concepts of Google Cloud Data Platform. This book is divided into 7 chapters and provides a detailed description of the core concepts of each of the Data services offered by Google Cloud. KEY

FEATURES Learn the basic concept of Cloud Computing along with different Cloud service provides with their supported Models (IaaS/PaaS/SaaS) Learn the basics of Compute Engine, App Engine, Container Engine, Project and Billing setup in the Google Cloud Platform Learn how and when to use Cloud DataFlow, Cloud DataProc and Cloud DataPrep Build real-time data pipeline to support real-time analytics using Pub/Sub messaging service Setting up a fully

managed GCP Big Data Cluster using Cloud DataProc for running Apache Spark and Apache Hadoop clusters in a simpler, more cost-efficient manner Learn how to use Cloud Data Studio for visualizing the data on top of Big Query Implement and understand real-world business scenarios for Machine Learning, Data Pipeline Engineering
WHAT WILL YOU LEARN
By the end of the book, you will have come across different data services and platforms offered by

Google Cloud, and how those services/features can be enabled to serve business needs. You will also see a few case studies to put your knowledge to practice and solve business problems such as building a real-time streaming pipeline engine, Scalable Data Warehouse on Cloud, fully managed Hadoop cluster on Cloud and enabling TensorFlow/Machine Learning API's to support real-life business problems. Remember to practice additional examples to master these

techniques. WHO IS THIS BOOK FOR This book is for professionals as well as graduates who want to build a career in Google Cloud data analytics technologies. While no prior knowledge of Cloud Computing or related technologies is assumed, it will be helpful to have some data background and experience. One stop shop for those who wish to get an initial to advance understanding of the GCP data platform. The target audience will be data engineers/professionals

who are new, as well as those who are acquainted with the tools and techniques related to cloud and data space. ● Individuals who have basic data understanding (i.e. Data and cloud) and have done some work in the field of data analytics, can refer/use this book to master their knowledge/understanding. ● The highlight of this book is that it will start with the basic cloud computing fundamentals and will move on to cover the advance concepts on GCP cloud data analytics

and hence can be referred across multiple different levels of audiences. Table of Contents 1. GCP Overview and Architecture 2. Data Storage in GCP 3. Data Processing in GCP with Pub/Sub and Dataflow 4. Data Processing in GCP with DataPrep and Dataflow 5. Big Query and Data Studio 6. Machine Learning with GCP 7. Sample Use cases and Examples
Google Cloud Platform Administration 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 Ted Hunter and Steven Porter Google Cloud Platform Cookbook by Legorie Rajan PS What 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. Data Mesh in Action Packt Publishing Ltd This volume of Advances

in Intelligent and Soft Computing contains accepted papers presented at SOCO 2016, CISIS 2016 and ICEUTE 2016, all conferences held in the beautiful and historic city of San Sebastián (Spain), in October 2016. Soft computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which investigate, simulate, and analyze very complex issues and phenomena.

After a through peer-review process, the 11th SOCO 2016 International Program Committee selected 45 papers. In this relevant edition a special emphasis was put on the organization of special sessions. Two special session was organized related to relevant topics as: Optimization, Modeling and Control Systems by Soft Computing and Soft Computing Methods in Manufacturing and Management Systems. The aim of the 9th CISIS 2016 conference is to

offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of Computational Intelligence, Information Security, and Data Mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event. After a through peer-review process, the CISIS 2016

International Program Committee selected 20 papers. In the case of 7th ICEUTE 2016, the International Program Committee selected 14 papers.

Scaling Google Cloud Platform Packt

Publishing Ltd

Learn fundamental to advanced GCP architectural techniques using 30 + real-world use cases. The 'Google Cloud Platform an Architect's Guide' is a comprehensive handbook that covers everything that you need to know from GCP

fundamentals to advanced cloud architecture topics. The book covers what you need to understand to pass the Google certification exams but goes far further and deeper as it explores real-world use cases and business scenarios. But you don't need to be an IT expert as the book is designed to cater for both beginners and those experienced in other cloud or on other on-premises networks. To that end, the book is split into distinct parts that

caters for all levels of expertise. Part -1 is aimed at the novice someone new to a cloud architecture environment that needs to become familiar with the fundamentals of cloud architecture and industry best practices so the more experienced reader may wish to skip this section. Part-2 takes a far deeper dive into GCP theory and practice as well as providing real-world use cases and practical tips that are beneficial for architects at all levels. Part-3 delves

much deeper into GCP practical theory on elasticity, scalability and resilience. It also covers Kubernetes in greater detail and touches on High-Performance Computing and IoT designs. The book closes with a final part dealing with cloud-native design practices and as such it covers design, monitoring, notification and remediation techniques to ensure best practice in cloud-native application design, deployment, stabilisation and commissioning.

Google Cloud Platform in Action Alasdair Gilchrist Use this beginner's guide to understand and work with Kubernetes on the Google Cloud Platform and go from single monolithic Pods (the smallest unit deployed and managed by Kubernetes) all the way up to distributed, fault-tolerant stateful backing stores. You need only a familiarity with Linux, Bash, and Python to successfully use this book. Proficiency in Docker or cloud technology is not required. You will follow a

learn-by-doing approach, running small experiments and observing the effects. Google open sourced Kubernetes in 2015 and now it is the industry standard in container orchestration. It has been adopted by all leading vendors of cloud, on-prem, and hybrid infrastructure services: Microsoft (Azure AKS), Amazon (AWS EKS), IBM (IBM Cloud Kubernetes Services), Alibaba Cloud (ACK), RedHat (OpenShift), and Pivotal (PKS). Even though

Kubernetes is offered by all of the market-leading cloud providers, the Google Cloud Platform (GCP) offers an integrated shell (Google Cloud Shell) and a \$300 credit to get started, which makes it the ideal platform to not only learn Kubernetes but also to implement final production workloads. What You Will Learn Set up a Kubernetes cluster in GCP Deploy simple Docker images using monolithic Pods Arrange highly available and highly scalable applications using

Deployments Achieve zero-downtime deployments using the Service Controller Externalize configuration using ConfigMaps and Secrets Set up batch processes and recurrent tasks using Jobs and CronJobs Install horizontal (sidecar pattern) services using DaemonSets Implement distributed, stateful backing stores using StatefulSets Who This Book Is For Beginners with basic Linux admin and scripting skills (Bash and

Python). Proficiency with Docker is not required as all examples in the book use off-the-shelf public images from Docker Hub. *Beginning Kubernetes on the Google Cloud Platform* Dhiraj Baraik Working with AI is complicated and expensive for many developers. That's why cloud providers have stepped in to make it easier, offering free (or affordable) state-of-the-art models and training tools to get you started. With this book, you'll learn how to use Google's AI-

powered cloud services to do everything from creating a chatbot to analyzing text, images, and video. Author Micheal Lanham demonstrates methods for building and training models step-by-step and shows you how to expand your models to accomplish increasingly complex tasks. If you have a good grasp of math and the Python language, you'll quickly get up to speed with Google Cloud Platform, whether you want to build an AI assistant or a simple business AI application.

Learn key concepts for data science, machine learning, and deep learning Explore tools like Video AI and AutoML Tables Build a simple language processor using deep learning systems Perform image recognition using CNNs, transfer learning, and GANs Use Google's Dialogflow to create chatbots and conversational AI Analyze video with automatic video indexing, face detection, and TensorFlow Hub Build a complete working AI agent

application
Mastering AWS Lambda
Packt Publishing Ltd
Learn how easy it is to apply sophisticated statistical and machine learning methods to real-world problems when you build using Google Cloud Platform (GCP). This hands-on guide shows data engineers and data scientists how to implement an end-to-end data pipeline with cloud native tools on GCP. Throughout this updated second edition, you'll work through a sample business decision by

employing a variety of data science approaches. Follow along by building a data pipeline in your own project on GCP, and discover how to solve data science problems in a transformative and more collaborative way. You'll learn how to:

- Employ best practices in building highly scalable data and ML pipelines on Google Cloud
- Automate and schedule data ingest using Cloud Run
- Create and populate a dashboard in Data Studio
- Build a real-time analytics pipeline using Pub/Sub,

- Dataflow, and BigQuery
- Conduct interactive data exploration with BigQuery
- Create a Bayesian model with Spark on Cloud
- Dataproc
- Forecast time series and do anomaly detection with BigQuery
- ML Aggregate within time windows with Dataflow
- Train explainable machine learning models with Vertex AI
- Operationalize ML with Vertex AI Pipelines

Google Cloud Datastore: Second Edition "O'Reilly Media, Inc."

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.
Hands-On Machine

Learning on Google Cloud Platform Manning Publications Take a systematic approach to understanding the fundamentals of machine learning and deep learning from the ground up and how they are applied in practice. You will use this comprehensive guide for building and deploying learning models to address complex use cases while leveraging the computational resources of Google Cloud Platform. Author Ekaba Bisong

shows you how machine learning tools and techniques are used to predict or classify events based on a set of interactions between variables known as features or attributes in a particular dataset. He teaches you how deep learning extends the machine learning algorithm of neural networks to learn complex tasks that are difficult for computers to perform, such as recognizing faces and understanding languages. And you will know how to leverage

cloud computing to accelerate data science and machine learning deployments. Building Machine Learning and Deep Learning Models on Google Cloud Platform is divided into eight parts that cover the fundamentals of machine learning and deep learning, the concept of data science and cloud services, programming for data science using the Python stack, Google Cloud Platform (GCP) infrastructure and products, advanced analytics on GCP, and

deploying end-to-end machine learning solution pipelines on GCP. What You'll Learn Understand the principles and fundamentals of machine learning and deep learning, the algorithms, how to use them, when to use them, and how to interpret your results Know the programming concepts relevant to machine and deep learning design and development using the Python stack Build and interpret machine and deep learning models Use Google Cloud Platform

tools and services to develop and deploy large-scale machine learning and deep learning products Be aware of the different facets and design choices to consider when modeling a learning problem Productionalize machine learning models into software products Who This Book Is For Beginners to the practice of data science and applied machine learning, data scientists at all levels, machine learning engineers, Google Cloud Platform data engineers/architects, and

software developers
Google Cloud Certified Professional Cloud Developer Exam Guide
 BPB Publications
 Google Cloud for the Big Data Solution Big Data is a collection of large datasets that cannot be processed using traditional computing techniques. It is not a single technique or a tool, rather it involves many areas of business and technology. Big Data usually contains structured and unstructured data that comprises large volumes

and varieties of data managed globally and can be accessed at lightning speed with accuracy. The Google Cloud Platform has been the first choice for every customers and organizational business needs. The Google Cloud Platform (GCP) contains large numbers of customized options and preferences for varieties of business needs. Managing big data is not so easy until GCP solutions architecture and Google engines. Google Data Proc is a solution managed services in GCP

for running Big data Hadoop Clusters and Spark jobs. Data Proc uses compute engines instances underling below, but uses Google Data Proc managed services for big data management of resources.
Google Cloud Platform for Architects Simon and Schuster
 Welcome to "Google Cloud Platform - Networking: Beginner to Skilled GCP Network Practitioner in One Book". As the subtitle conveys this book is a beginners-

to-experts comprehensive guide to networking for the Google Cloud Platform. We do not assume any prior networking skills or knowledge so the book is designed for both the beginner in networking as well as those proficient in on-premise networking who want to transfer their skill to the GCP. It is a thorough and comprehensive guide to the entire set of core networking technologies, principles and best practices that you will need to know about for

the GCP Networking Certification exam. Nonetheless, this book is not just for those pursuing GCP Networking certification it is also aimed at those wishing to pursue a career in GCP networking. Consequently, it covers not just the exam syllabus but goes into much greater depth and scope through practical examples and relevant networking tips and best practices. The goal is to provide you, the reader, with a deep and wide understanding of GCP

networking and its core technologies, techniques and concepts so that you can ultimately call yourself and importantly confidently demonstrate your skills as a proficient GCP network engineer. To that end, we have designed the book into parts: Part 1 is a network primer aimed at the beginner as it serves as an introduction to key generic network concepts that you as a beginner will need to know when we move the focus to specific GCP networking concepts; Part 2, is an introduction

to Google' internal private and global network, the underlying technologies and how it works under the bonnet. This should be of value and interest to readers of all skill levels; Part 3, is all about GCP cloud-specific networking that encompasses; VPC design, planning, deployment, migration, operations and performance monitoring and management. We will study relevant use-case in each chapter to better demonstrate the use of a particular technology and to help solidify a deeper

understanding. The final chapter is aimed at those pursuing a career as a GCP network designer or a pre-sales consultant as well as project managers as it concerns Billing. Hence we will take a deep dive into Billing from a network perspective but it is not just an appendix for your everyday reference - it is a comprehensive guide to cost forecasting, monitoring and cost management. Overall, this book can be read cover-to-cover, by individual parts, or as a reference for particular

technologies. Take your time to browse the Table of Reference to discover the scope and get a feel for the depth of knowledge within each chapter and topic. [Build a Career in Data Science](#) G Skills Summary You are going to need more than technical knowledge to succeed as a data scientist. Build a Career in Data Science teaches you what school leaves out, from how to land your first job to the lifecycle of a data science project, and even how to become a

manager. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology What are the keys to a data scientist's long-term success? Blending your technical know-how with the right "soft skills" turns out to be a central ingredient of a rewarding career. About the book Build a Career in Data Science is your guide to landing your first data science job and developing into a valued senior employee. By

following clear and simple instructions, you'll learn to craft an amazing resume and ace your interviews. In this demanding, rapidly changing field, it can be challenging to keep projects on track, adapt to company needs, and manage tricky stakeholders. You'll love the insights on how to handle expectations, deal with failures, and plan your career path in the stories from seasoned data scientists included in the book. What's inside Creating a portfolio of

data science projects Assessing and negotiating an offer Leaving gracefully and moving up the ladder Interviews with professional data scientists About the reader For readers who want to begin or advance a data science career. About the author Emily Robinson is a data scientist at Warby Parker. Jacqueline Nolis is a data science consultant and mentor. Table of Contents: PART 1 - GETTING STARTED WITH DATA SCIENCE 1. What is data science? 2. Data

science companies 3.
 Getting the skills 4.
 Building a portfolio PART 2
 - FINDING YOUR DATA
 SCIENCE JOB 5. The
 search: Identifying the
 right job for you 6. The
 application: Résumés and
 cover letters 7. The
 interview: What to expect
 and how to handle it 8.
 The offer: Knowing what
 to accept PART 3 -
 SETTLING INTO DATA
 SCIENCE 9. The first
 months on the job 10.
 Making an effective
 analysis 11. Deploying a
 model into production 12.
 Working with stakeholders

PART 4 - GROWING IN
 YOUR DATA SCIENCE
 ROLE 13. When your data
 science project fails 14.
 Joining the data science
 community 15. Leaving
 your job gracefully 16.
 Moving up the ladder
**Building Machine
 Learning and Deep
 Learning Models on
 Google Cloud Platform**
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 Become a Professional
 Cloud Architect by
 exploring the essential
 concepts, tools, and
 services in GCP and
 working through practice
 tests designed to help you

take the exam confidently
 Key Features
 Plan and design a GCP cloud
 solution
 architecture
 Ensure the security and reliability of
 your cloud solutions and
 operations
 Assess your knowledge by taking
 mock tests with up-to-date
 exam questions
 Book Description
 Google Cloud Platform (GCP) is one of
 the industry leaders
 thanks to its array of
 services that can be
 leveraged by
 organizations to bring the
 best out of their
 infrastructure. This book

is a comprehensive guide for learning methods to effectively utilize GCP services and help you become acquainted with the topics required to pass Google's Professional Cloud Architect certification exam.

Following the Professional Cloud Architect's official exam syllabus, you'll first be introduced to the GCP. The book then covers the core services that GCP offers, such as computing and storage, and takes you through effective methods of scaling and automating your cloud

infrastructure. As you progress through the chapters, you'll get to grips with containers and services and discover best practices related to the design and process. This revised second edition features new topics such as Cloud Run, Anthos, Data Fusion, Composer, and Data Catalog. By the end of this book, you'll have gained the knowledge required to take and pass the Google Cloud Certification – Professional Cloud Architect exam and become an expert in GCP

services. What you will learn
Understand the benefits of being a Google Certified Professional Cloud Architect
Find out how to enroll for the Professional Cloud Architect exam
Master the compute options in GCP
Explore security and networking options in GCP
Get to grips with managing and monitoring your workloads in GCP
Understand storage, big data, and machine learning services
Become familiar with exam scenarios and passing strategies
Who this book is

for If you are a cloud architect, cloud engineer, administrator, or any IT professional looking to learn how to implement Google Cloud services in your organization and become a GCP Certified Professional Cloud Architect, this book is for you. Basic knowledge of server infrastructure, including Linux and Windows Servers, is assumed. A solid understanding of network and storage will help you to make the most out of this book.

Pro DevOps with Google

Cloud Platform O'Reilly Media
 Managing Real-world Production-grade Challenges at Scale
 KEY FEATURES ● Built for GCP professionals and Cloud enthusiasts with cloud-agnostic tactics. ● Exhaustive coverage of automatic, manual, and predictive scaling and specialized strategies. ● Every concept is pragmatized with real-time production scenarios derived from prominent technologists.

DESCRIPTION 'Scaling Google Cloud Platform'

equips developers with the know-how to get the most out of its services in storage, serverless computing, networking, infrastructure monitoring, and other IT tasks. This book explains the fundamentals of cloud scaling, including Cloud Elasticity, creating cloud workloads, and selecting the appropriate cloud scaling key performance indicators (KPIs). The book explains the sections of GCP resources that can be scaled, as well as their architecture and internals, and best practices for

using these components in an operational setting in detail. The book also discusses scaling techniques such as predictive scaling, auto-scaling, and manual scaling. This book includes real-world examples illustrating how to scale many Google Cloud services, including the compute engine, GKE, VMWare Engine, Cloud Function, Cloud Run, App Engine, BigTable, Spanner, Composer, Dataproc, and Dataflow. At the end of the book, the author delves into the

two most common architectures—Microservices and Bigdata to examine how you can perform reliability engineering for them on GCP. **WHAT YOU WILL LEARN** ● Learn workload migration strategy and execution, both within and between clouds. ● Explore methods of increasing Google Cloud capacity for running VMware Engine and containerized applications. ● Scaling up and down methods include manual, predictive, and automatic

approaches. ● Increase the capacity of your Dataproc cluster to handle your big data computing needs. ● Learn Google Dataflow's scalability considerations for large-scale installations. ● Explore Google Composer 2 and scale up your Cloud Spanner instances. ● Learn to set up Cloud functions and Cloud run. ● Discuss general SRE procedures on microservices and big data. **WHO THIS BOOK IS FOR** This book is designed for Cloud professionals, software developers,

architects, DevOps team, and engineering managers to explain scaling strategies for GCP services and assumes readers know GCP basics.

TABLE OF CONTENTS

1. Basics of Scaling Cloud Resources
2. KPI for Cloud Scalability
3. Cloud Elasticity
4. Challenges of Infrastructure Complexity and the Way Forward
5. Scaling Compute Engine
6. Scaling Kubernetes Engine
7. Scaling VMware Engine
8. Scaling App Engine
9. Scaling Google Cloud Function and Cloud Run
10. Configuring

11. Bigtable for Scale
12. Configuring Cloud Spanner for Scale
13. Scaling Google Composer 2
14. Scaling Dataproc
15. Scaling Google Dataflow
16. Site Reliability Engineering SRE Use Cases

Google Cloud Platform in Action Simon and Schuster

Unleash Google's Cloud Platform to build, train and optimize machine learning models

Key Features

Get well versed in GCP pre-existing services to build your own smart models

comprehensive guide covering aspects from data processing, analyzing to building and training ML models

A practical approach to produce your trained ML models and port them to your mobile for easy access

Book Description

Google Cloud Machine Learning Engine combines the services of Google Cloud Platform with the power and flexibility of TensorFlow. With this book, you will not only learn to build and train different complexities of machine learning models

at scale but also host them in the cloud to make predictions. This book is focused on making the most of the Google Machine Learning Platform for large datasets and complex problems. You will learn from scratch how to create powerful machine learning based applications for a wide variety of problems by leveraging different data services from the Google Cloud Platform. Applications include NLP, Speech to text, Reinforcement learning,

Time series, recommender systems, image classification, video content inference and many other. We will implement a wide variety of deep learning use cases and also make extensive use of data related services comprising the Google Cloud Platform ecosystem such as Firebase, Storage APIs, Datalab and so forth. This will enable you to integrate Machine Learning and data processing features into your web and mobile applications. By the end

of this book, you will know the main difficulties that you may encounter and get appropriate strategies to overcome these difficulties and build efficient systems. What you will learn Use Google Cloud Platform to build data-based applications for dashboards, web, and mobile Create, train and optimize deep learning models for various data science problems on big data Learn how to leverage BigQuery to explore big datasets Use Google's pre-trained TensorFlow models for

NLP, image, video and much more. Create models and architectures for Time series, Reinforcement Learning, and generative models. Create, evaluate, and optimize TensorFlow and Keras models for a wide range of applications. Who this book is for This book is for data scientists, machine learning developers and AI developers who want to learn Google Cloud Platform services to build machine learning applications. Since the interaction with the Google ML platform is

mostly done via the command line, the reader is supposed to have some familiarity with the bash shell and Python scripting. Some understanding of machine learning and data science concepts will be handy. *Mastering Big Data using Google Cloud Platform* UPTODATE EXAMS Working with AI is complicated and expensive for many developers. That's why cloud providers have stepped in to make it easier, offering free (or affordable) state-of-the-

art models and training tools to get you started. With this book, you'll learn how to use Google's AI-powered cloud services to do everything from creating a chatbot to analyzing text, images, and video. Author Micheal Lanham demonstrates methods for building and training models step-by-step and shows you how to expand your models to accomplish increasingly complex tasks. If you have a good grasp of math and the Python language, you'll quickly get up to speed with

Google Cloud Platform, whether you want to build an AI assistant or a simple business AI application. Learn key concepts for data science, machine learning, and deep learning Explore tools like Video AI and AutoML Tables Build a simple language processor using deep learning systems Perform image recognition using CNNs, transfer learning, and GANs Use Google's Dialogflow to create chatbots and conversational AI Analyze video with automatic

video indexing, face detection, and TensorFlow Hub Build a complete working AI agent application *Data Analytics with Google Cloud Platform* Simon and Schuster Which code implements which features? When should you use Cloud Storage? What type of information is involved? What happens after adding a new user? How long did the system take to implement? This astounding Google Cloud Platform self-assessment will make you the reliable

Google Cloud Platform domain master by revealing just what you need to know to be fluent and ready for any Google Cloud Platform challenge. How do I reduce the effort in the Google Cloud Platform work to be done to get problems solved? How can I ensure that plans of action include every Google Cloud Platform task and that every Google Cloud Platform outcome is in place? How will I save time investigating strategic and tactical options and ensuring

Google Cloud Platform costs are low? How can I deliver tailored Google Cloud Platform advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Google Cloud Platform essentials are covered, from every angle: the Google Cloud Platform self-assessment shows succinctly and clearly that what needs to be clarified to organize the required

activities and processes so that Google Cloud Platform outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Google Cloud Platform practitioners. Their mastery, combined with the easy elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in Google Cloud Platform are maximized with professional results. Your

purchase includes access details to the Google Cloud Platform self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows you exactly what to do next. Your exclusive instant access details can be found in your book. You will receive the following contents with New and Updated specific criteria: - The latest quick edition of the book in PDF - The latest complete edition of the book in PDF, which criteria correspond to the

criteria in... - The Self-Assessment Excel Dashboard - Example pre-filled Self-Assessment Excel Dashboard to get familiar with results generation - In-depth and specific Google Cloud Platform Checklists - Project management checklists and templates to assist with implementation INCLUDES LIFETIME SELF ASSESSMENT UPDATES Every self assessment comes with Lifetime Updates and Lifetime Free Updated Books. Lifetime Updates is an industry-

first feature which allows you to receive verified self assessment updates, ensuring you always have the most accurate information at your fingertips.

Google Cloud Platform for Developers Manning Google Cloud for the Big Data Solution Big Data is a collection of large datasets that cannot be processed using traditional computing techniques. It is not a single technique or a tool, rather it involves many areas of business and technology. Big Data

usually contains structured and unstructured data that comprises large volumes and varieties of data managed globally and can be accessed at lightning speed with accuracy. The Google Cloud Platform has been the first choice for every customers and organizational business needs. The Google Cloud Platform (GCP) contains large numbers of customized options and preferences for varieties of business needs. Managing big data is not so easy until GCP

solutions architecture and Google engines. Google Data Proc is a solution managed services in GCP for running Big data

Hadoop Clusters and Spark jobs. Data Proc uses compute engines instances underling

below, but uses Google Data Proc managed services for big data management of resources.