Professional Data Engineer

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| Official Description: | <https://cloud.google.com/certification/data-engineer/> |  |
| Length: | 2 hours |  |
| Questions: | ~50 (not a fixed number, but typically around 50+ questions) |  |
| Certification type: | Specialization |  |
| Experience: | Advanced - Professional |  |
| Official Practice Test: | <https://cloud.google.com/certification/practice-exam/data-engineer> |  |

Posts

| Published | Title/Link | Author |
| --- | --- | --- |
| 2021/01 | [How to pass the PDE certification – as a sales guy](https://www.linkedin.com/pulse/how-pass-google-cloud-professional-data-engineer-sales-rolf-siegel/) | Rolf Siegel |
| 2020/09 | [GCP Professional Data Engineer Guide](https://metanube.org/2020/09/10/gcp-professional-data-engineer-guide-september-2020/) | A Estevez |
| 2020/07 | [preparation, tips, and my journey from failing to passing experience](https://medium.com/@kshitijmb/gcp-data-engineer-exam-preparation-important-tips-and-my-emotional-journey-from-failing-to-132d91dc75f8) | Kshitij Bhadage |
| 2020/05 | [Data Engineering on GCP Specialisation](https://towardsdatascience.com/data-engineering-on-gcp-specialisation-a-comprehensive-guide-for-data-professionals-4bb8bae8a1c7) | Alex Papageorgiou |
| 2020/04 | [How to Prepare for GCP PDE Exam](https://medium.com/@hardikr68/how-to-prepare-for-and-clear-the-gcp-professional-data-engineer-exam-7e7ff518cf4a) | Hardik Rathod |
| 2020/02 | [Topics in the GCP PDE Exam](https://developer.rackspace.com/blog/topics-in-the-google-cloud-professional-data-engineer-certification-exam/) | Sabeehah Ahmed |
| 2020/02 | [My personal road map and thoughts in 2020](https://medium.com/@helpthx/google-cloud-professional-data-engineer-certification-my-personal-road-map-and-thoughts-in-2020-b78f5e1984ca) | João Vitor Baptista |
| 2020/01 | [How I pass the GCP Data Engineer exam - Key points to study and personal experience](https://medium.com/@kennycontreras/how-i-pass-the-gcp-data-engineer-exam-key-points-to-study-and-personal-experience-4eec4d7d3396) | Kenny Contreras |
| 2019/12 | [How to pass the Google Cloud Professional Data Engineer exam](https://towardsdatascience.com/how-to-pass-the-google-cloud-professional-data-engineer-exam-f241d7191e47?source=friends_link&sk=ede0b669e5bf68a8e699a3443b9fb087) | Jonathan M |
|  | [Google Cloud - Professional Data Engineer Exam Study Materials](https://github.com/Leverege/gcp-data-engineer-exam) | Leverege Developers |
| 2019/12 | [Road to Success — Professional Data Engineer](https://medium.com/@biswarup.ghoshal/road-to-success-professional-data-engineer-google-cloud-platform-41115fcf510e) | Biswarup Ghoshal |
| 2019/10 | [The Ultimate Hack to passing Data Engineer exam](https://medium.com/@sodiumsun/the-ultimate-hack-to-passing-google-cloud-professional-data-engineer-certification-exam-2019-oct-663b2dfac492) | Kelly Sun |
| 2019/07 | [How to pass the Cloud Architect and Data Engineer GCP certifications](https://medium.com/ci-t/how-to-pass-both-the-cloud-architect-and-data-engineer-gcp-certifications-bb6a0812a1b1) | Ivam Luz |
| 2019/05 | [Concepts to focus for passing Google Cloud PDE Exam](https://medium.com/@srividyaramaraju/concepts-to-focus-for-passing-google-cloud-professional-data-engineer-exam-8ce5f9048cc1) | Srividya Ramaraju |
| 2019/02 | [PDE— Roadmap for preparation](https://medium.com/globallogic-cloud-and-devops-blogs/google-cloud-professional-data-engineer-roadmap-for-preparation-94e881d43382) | Pankaj K |
| 2019/01 | [Professional Data Engineer Certification— my personal study guide!](https://medium.com/weareservian/google-cloud-data-engineer-exam-study-guide-9afc80be2ee3) | Guang X |
| 2019/04 | [Certified Professional Data Engineer - 2019 Updated exam](https://deploy.live/blog/google-cloud-certified-professional-data-engineer/) | Dmitri Lerko |
| 2019/01 | [Notes from my Google Cloud Professional Data Engineer Exam](https://medium.com/@sathishvj/notes-from-my-google-cloud-professional-data-engineer-exam-530d11966aa0) | Sathish VJ |
| 2019/01 | [GCP Certified Data Engineer in 3 Weeks](https://medium.com/@avinash.gupta/gcp-certified-data-engineer-in-3-weeks-345ecfa667c3) | Avinash Gupta |
| 2019/01 | [Cheat sheet](https://www.slideshare.net/GuangXu5/gcp-data-engineer-cheatsheet) | Guang Xu |
| 2018/12 | [How I Cleared 3 Google Cloud Certifications in 3 Weeks](https://medium.com/@yesdeepakverma/how-i-cleared-all-3-google-cloud-certifications-in-3-weeks-f5591aa22572) | Deepak Verma |
| 2018/11 | [Preparing for the Google Cloud](https://tzamtzis.gr/2018/digital-analytics/becoming-gcp-data-engineer/) | Panagiotis Tzamtzis |
| 2018/10 | [How to pass your Google Cloud Platform Professional Data Engineer exam](https://www.slideshare.net/vinoaj/measure-camp-how-to-pass-your-gcp-professional-data-engineer-exam-20181020) | vinoaj |
| 2018/10 | [A Study Guide to the Google Cloud Professional Data Engineer Certification Path](https://medium.com/@simonleewm/a-study-guide-to-the-google-cloud-professional-data-engineer-certification-path-9e83e41e311) | Simon Lee |
| 2017/12 | [Google Cloud Certified Professional - Data Engineer Track](https://www.linkedin.com/pulse/google-cloud-certified-professional-data-engineer-writeup-rix/) | Kayleigh Rix |

Practice Exams / Tests

| Published | Title/Link | Author |
| --- | --- | --- |
|  | [Official Practice Exam](https://cloud.google.com/certification/practice-exam/data-engineer) |  |
| Udemy | [Google Cloud - Professional Data Engineer Practice Exams](https://www.udemy.com/google-cloud-certified-professional-data-engineer-practice-exams/) |  |

Books

| Published | Title/Link | Author |
| --- | --- | --- |
| 2020/05 | [Official PDE Study Guide](https://www.wiley.com/en-in/Official+Google+Cloud+Certified+Professional+Data+Engineer+Study+Guide-p-9781119618454) | Dan Sullivan |
|  | [Data Science on the Google Cloud Platform](https://www.google.com/search?q=Data%20Science%20on%20the%20Google%20Cloud%20Platform) | Valliappa Lakshmanan |
|  | [Hands-On Machine Learning with Scikit-Learn and TensorFlow](https://www.google.com/search?q=Hands-On%20Machine%20Learning%20with%20Scikit-Learn%20and%20TensorFlow) | Aurélien Géron |
| 2019/10 | [Google BigQuery: The Definitive Guide](https://www.google.com/search?q=bigquery+the+definitive+guide+Book+by+Jordan+Tigani+and+Valliappa+Lakshmanan) | Jordan Tigani & Valliappa Lakshmanan |

Videos / Sessions

| Published | Title/Link | Instructor |
| --- | --- | --- |
|  | [GCP data engineer certification review](https://www.youtube.com/playlist?list=PL44lENRqK1vwC_y_CHT-drcyS62qXIbH_) | John |
|  | [Machine Learning Crash Course](https://developers.google.com/machine-learning/crash-course/ml-intro) | Google |

Online Trainings

| Site | Title/Link | Instructor |
| --- | --- | --- |
| Coursera | [Preparing for the Google Cloud Professional Data Engineer Exam](https://www.coursera.org/learn/preparing-cloud-professional-data-engineer-exam) |  |
| Coursera | [Data Engineering on Google Cloud Platform](https://www.coursera.org/specializations/gcp-data-machine-learning) |  |
| Linux Academy | [Google Cloud Certified Professional Data Engineer](https://linuxacademy.com/linux/training/course/name/google-cloud-data-engineer) |  |
| Udemy | [Preparing for the Google Cloud Professional Data Engineer Exam](https://www.udemy.com/topic/google-cloud-professional-data-engineer/) |  |
| Udemy | [An Introduction to Google Cloud Platform for Data Engineers](https://www.udemy.com/an-introduction-to-google-cloud-platform-for-data-engineers/) |  |
| Udemy | [Learn GCP: Google Cloud Data Engineer Express Course!](https://www.udemy.com/learn-gcp-become-a-certified-data-engineer-express-course/) |  |
| acloud.guru | [Applied Machine Learning with BigQuery on Google Cloud Platform](https://acloud.guru/learn/gcp-applied-machine-learning-bigquery) | Mike West |
| pluralsight | [Data Engineering on Google Cloud Platform](https://www.pluralsight.com/paths/data-engineering-on-google-cloud-platform) | Google Cloud |
| pluralsight | [Google: Professional Cloud Data Engineer](https://www.pluralsight.com/paths/google-professional-cloud-data-engineer) | Janani Ravi, Vitthal Srinivasan |

Cheat Sheets

| Published | Title/Link | Author |
| --- | --- | --- |
|  | [Data Engineering on GCP](https://github.com/ml874/Data-Engineering-on-GCP-Cheatsheet/blob/master/data_engineering_on_GCP.pdf) | Maverick Lin |
|  | [A TensorFlow Glossary/Cheat Sheet](https://medium.com/google-cloud/a-tensorflow-glossary-cheat-sheet-382583b22932) | Bill Prin |
|  | [GCP Data Engineer cheatsheet](https://www.slideshare.net/GuangXu5/gcp-data-engineer-cheatsheet) | Guang Xu |

Qwiklabs Links

| Title/Link |
| --- |
| [Baseline: Data, ML, AI](https://google.qwiklabs.com/quests/34) |
| [Data Engineering](https://google.qwiklabs.com/quests/25) |
| [Data Science on Google Cloud](https://google.qwiklabs.com/quests/43) |
| [BigQuery Basics for Data Analysts](https://google.qwiklabs.com/quests/69) |
| [Engineer Data in Google Cloud](https://google.qwiklabs.com/quests/132) |
| [Scientific Data Processing](https://google.qwiklabs.com/quests/28) |
| [Build and Optimize Data Warehouses with BigQuery](https://google.qwiklabs.com/quests/147) |
| [BigQuery for Data Warehousing](https://google.qwiklabs.com/quests/68) |
| [Building Advanced Codeless Pipelines on Cloud Data Fusion](https://google.qwiklabs.com/quests/131) |
| [Insights from Data with BigQuery](https://google.qwiklabs.com/quests/123) |
| [BigQuery for Data Analysis](https://google.qwiklabs.com/quests/55) |
| [Data Catalog Fundamentals](https://google.qwiklabs.com/quests/134) |
| [Building Codeless Pipelines on Cloud Data Fusion](https://google.qwiklabs.com/quests/130) |
| [BigQuery for Marketing Analysts](https://google.qwiklabs.com/quests/70) |
| [Cloud SQL](https://google.qwiklabs.com/quests/52) |
| [BigQuery for Machine Learning](https://google.qwiklabs.com/quests/71) |

Deep Dive Links

| Published | Topic | Title/Link | Instructor |
| --- | --- | --- | --- |
| 2020/02 | Cloud Spanner | [Internals of Google Cloud Spanner](https://thedataguy.in/internals-of-google-cloud-spanner/) | Bhuvanesh |