Getting Started GCP has 200+ services. This exam expects knowledge of 40+ Services. Exam expects in-depth knowledge about these services Exam tests your decision making abilities: Which service do you choose in which situation?

Before the Cloud - Example 1 - Online Shopping App Challenge: Peak usage during holidays and weekends Less load during rest of the time Solution (before the Cloud): PEAK LOAD provisioning : Procure (Buy) infrastructure for peak load What would the infrastructure be doing during periods of low loads?

Before the Cloud - Example 2 - Startup Challenge: Startup suddenly becomes popular How to handle the sudden increase in load? Solution (before the Cloud): Procure (Buy) infrastructure assuming they would be successful What if they are not successful?

Before the Cloud - Challenges High cost of procuring infrastructure Needs ahead of time planning (Can you guess the future?) Low infrastructure utilization (PEAK LOAD provisioning) Dedicated infrastructure maintenance team (Can a startup afford it?)

How about provisioning (renting) resources when you want them and releasing them back when you do not need them? On-demand resource provisioning Also called Elasticity

Trade "capital expense" for "variable expense" Benefit from massive economies of scale Stop guessing capacity Stop spending money running and maintaining data centers "Go global" in minutes

One of the Top 3 cloud service providers Provides a number of services (200+) Reliable, secure and highly-performant: Infrastructure that powers 8 services with over 1 Billion Users: Gmail, Google Search, YouTube etc One thing I love : "cleanest cloud" Net carbon-neutral cloud (electricity used matched 100% with renewable energy) The entire course is all about GCP. You will learn it as we go further.

Best path to learn GCP! Cloud applications make use of multiple GCP services There is no single path to learn these services independently HOWEVER, we've worked out a simple path!