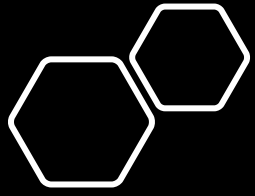


Building Monolithic Applications and Microservices

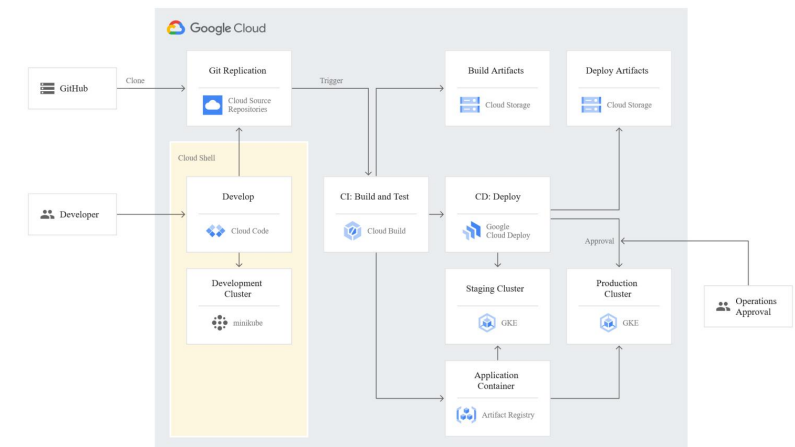
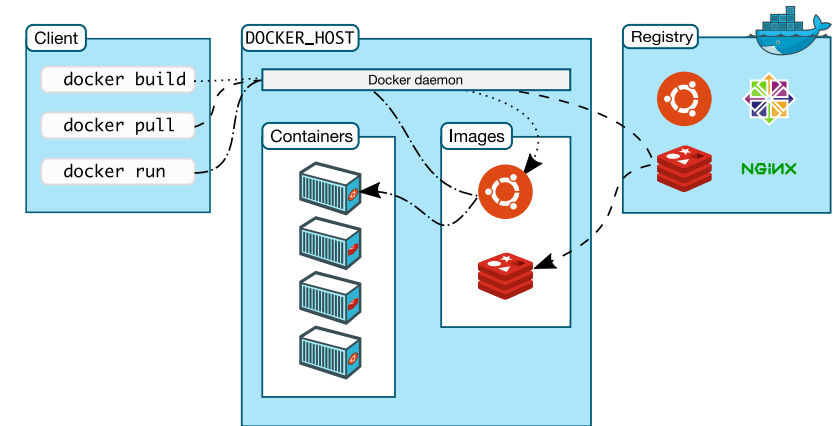
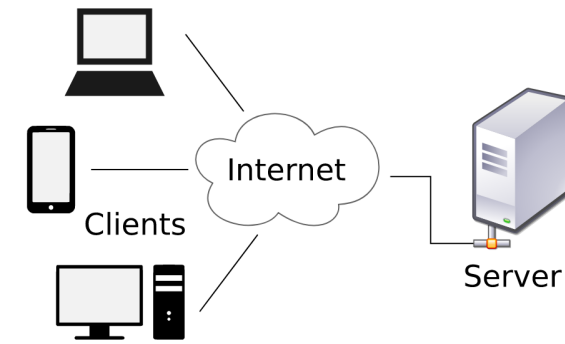
Dr. Atef Bader

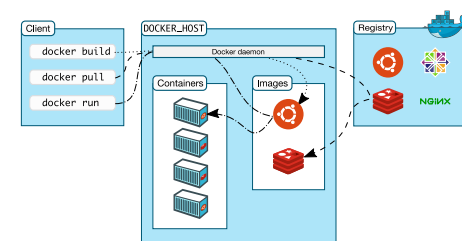
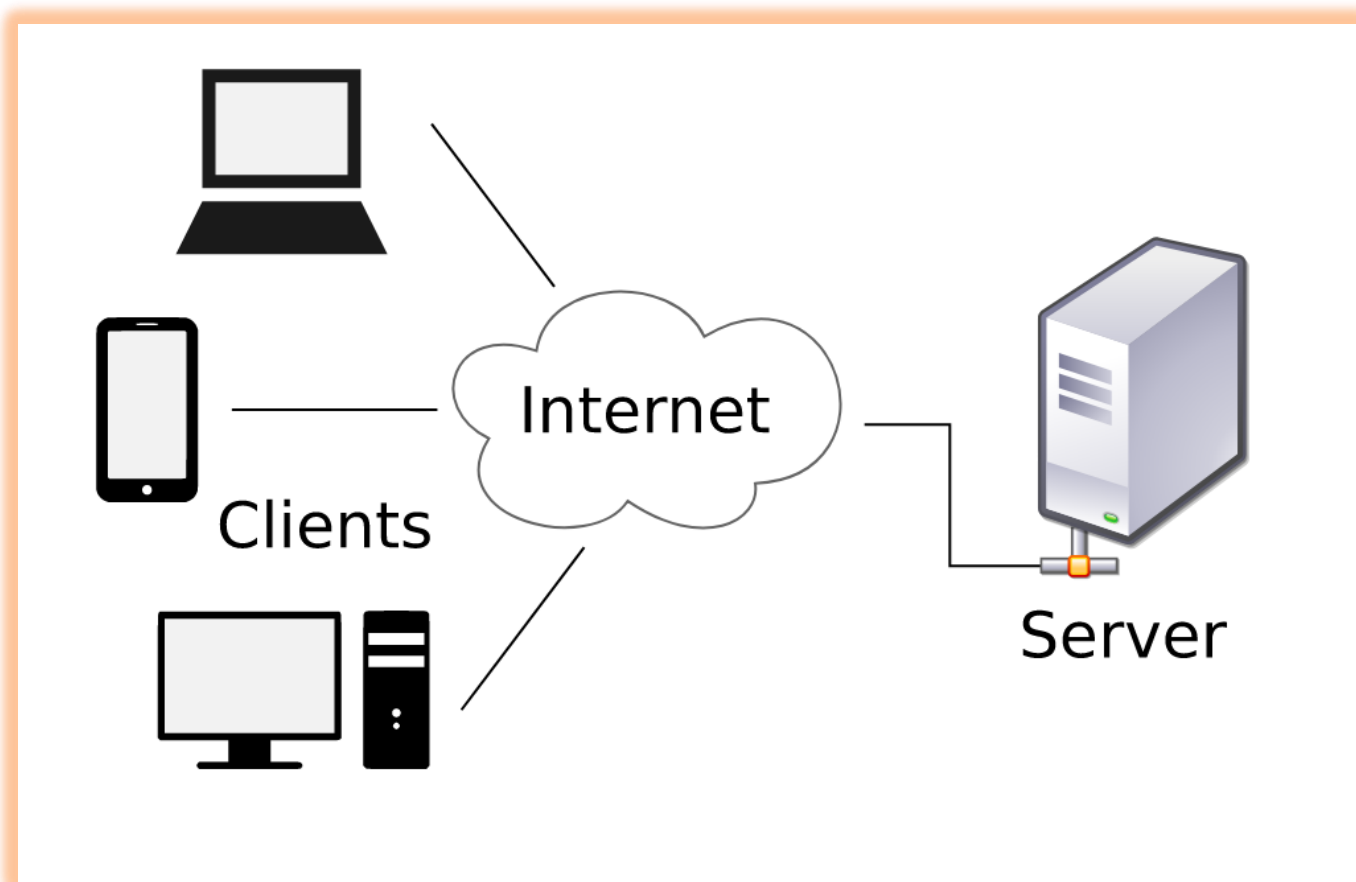
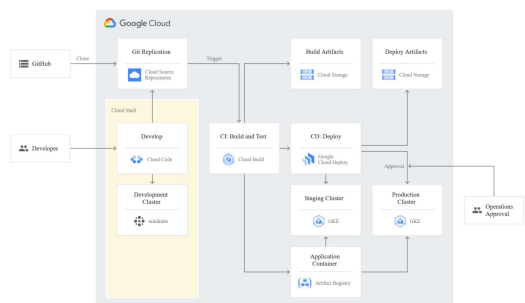


Design Alternatives

3 Design Alternatives

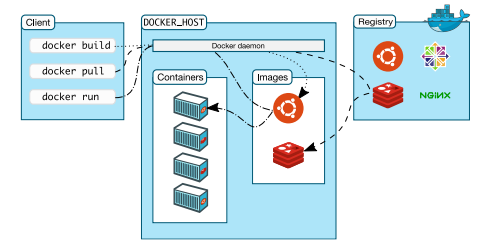
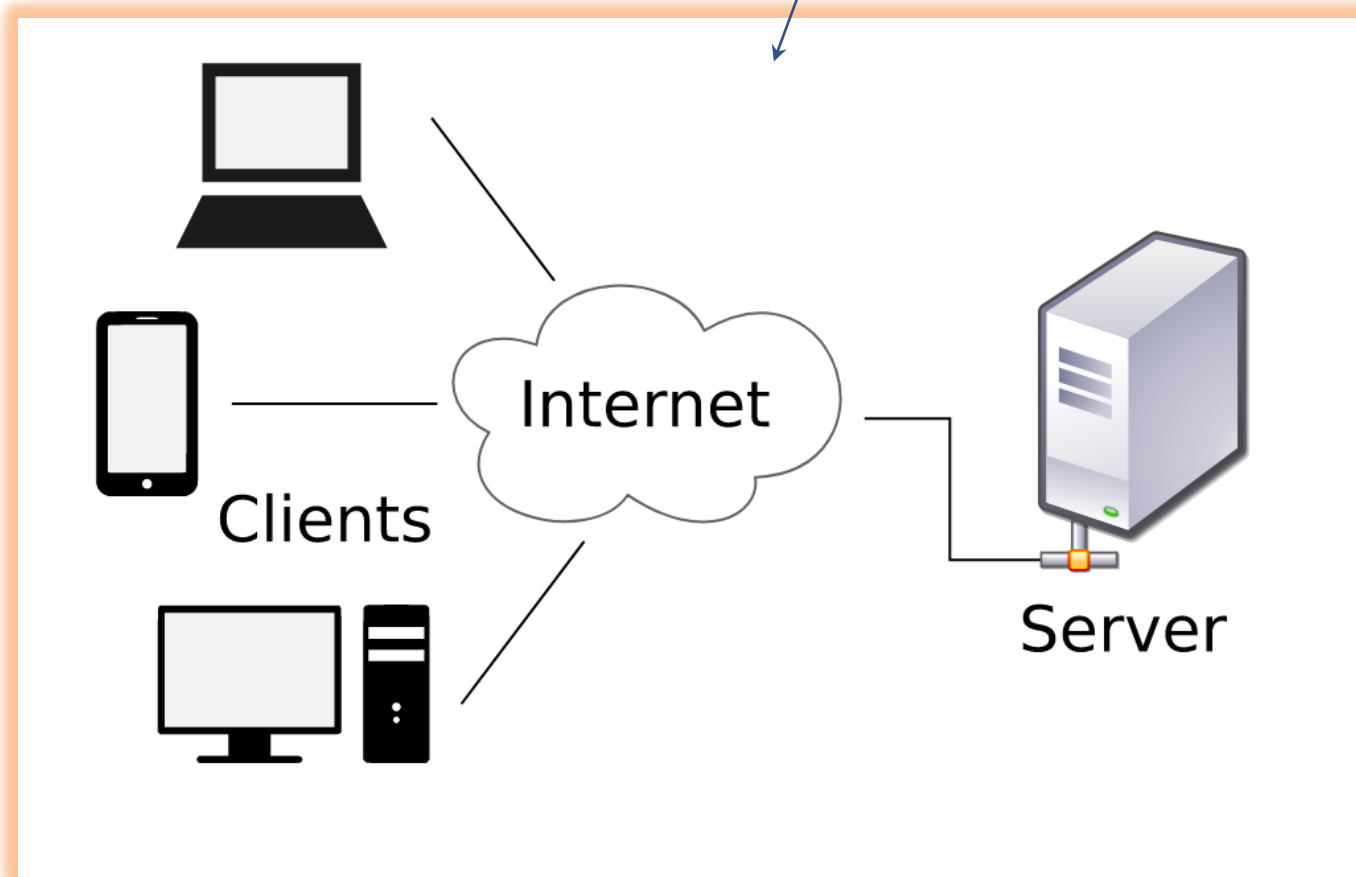
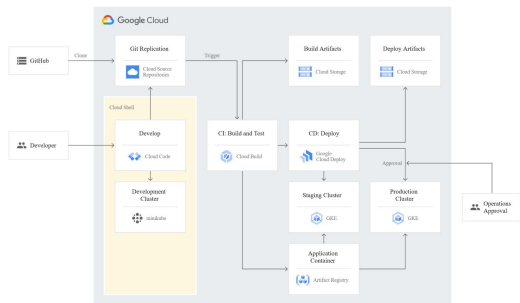
- 1) Client/Server model
OS/Hardware/Infrastructure dependent
- 2) Containerized Microservices Model
- 3) Cloud-based/ Containerized Microservices Model

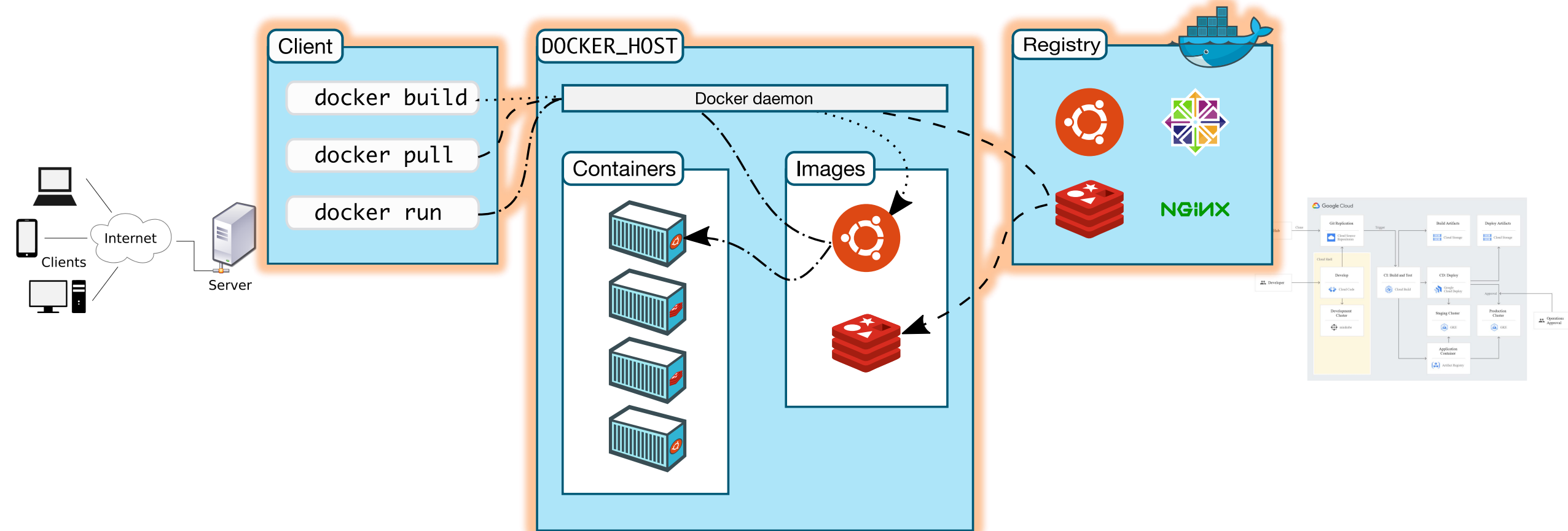




Monolithic Application tightly-coupled to:

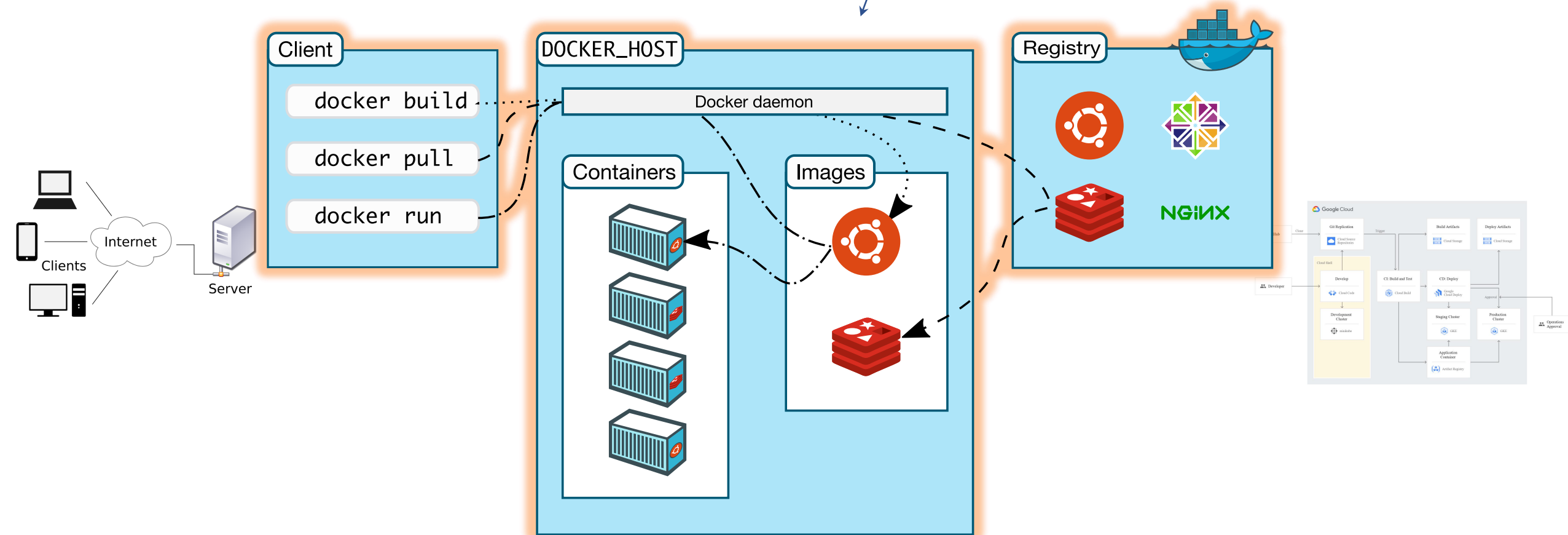
- OS
- Hardware
- Infrastructure

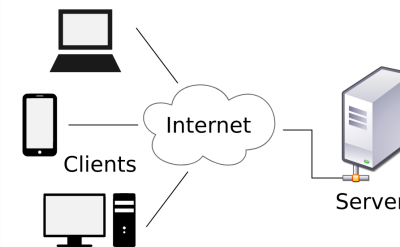
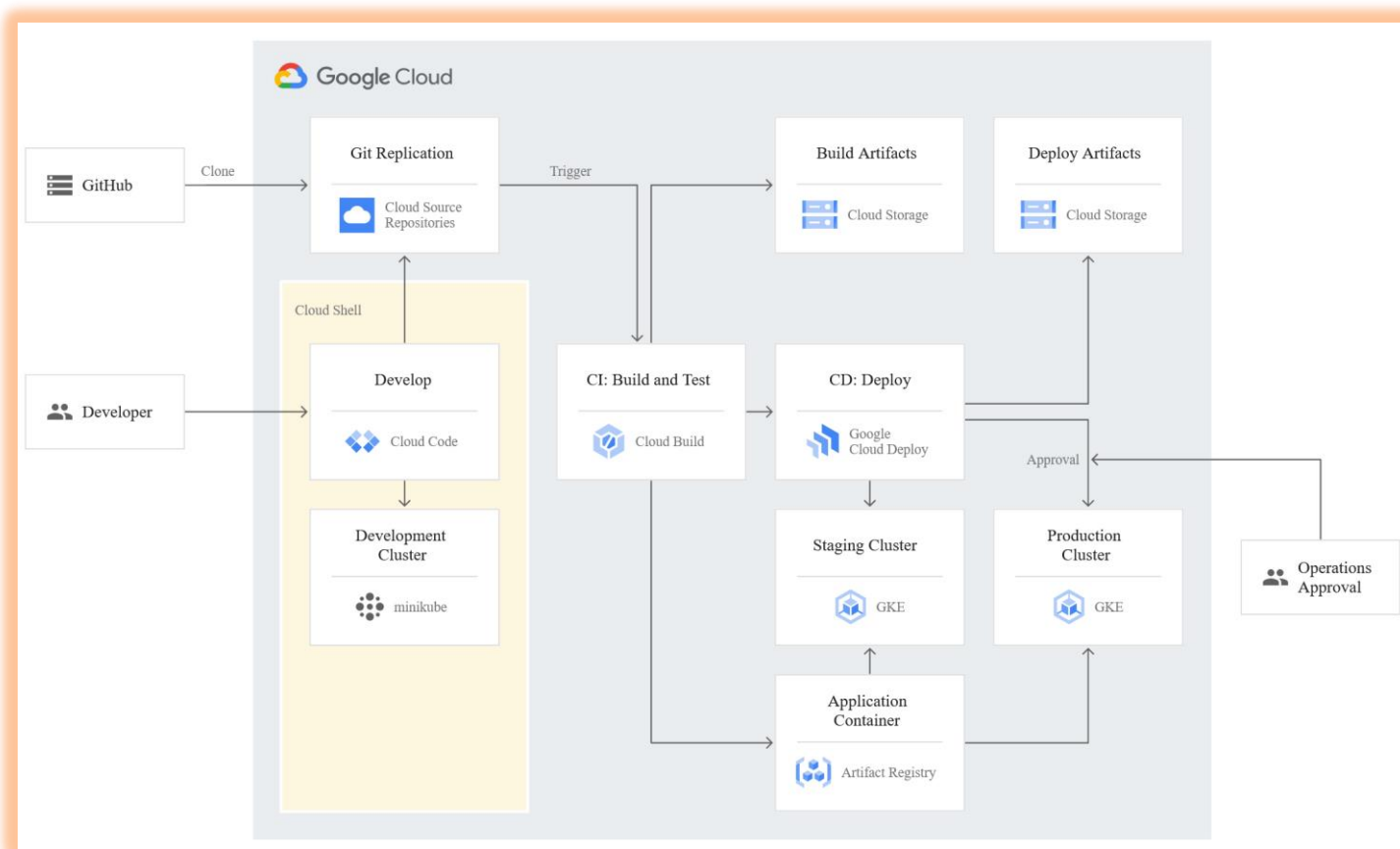
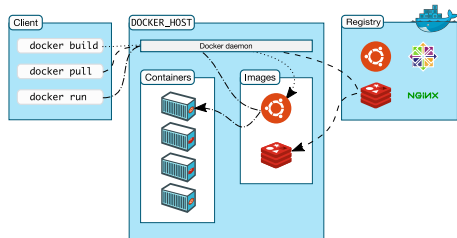


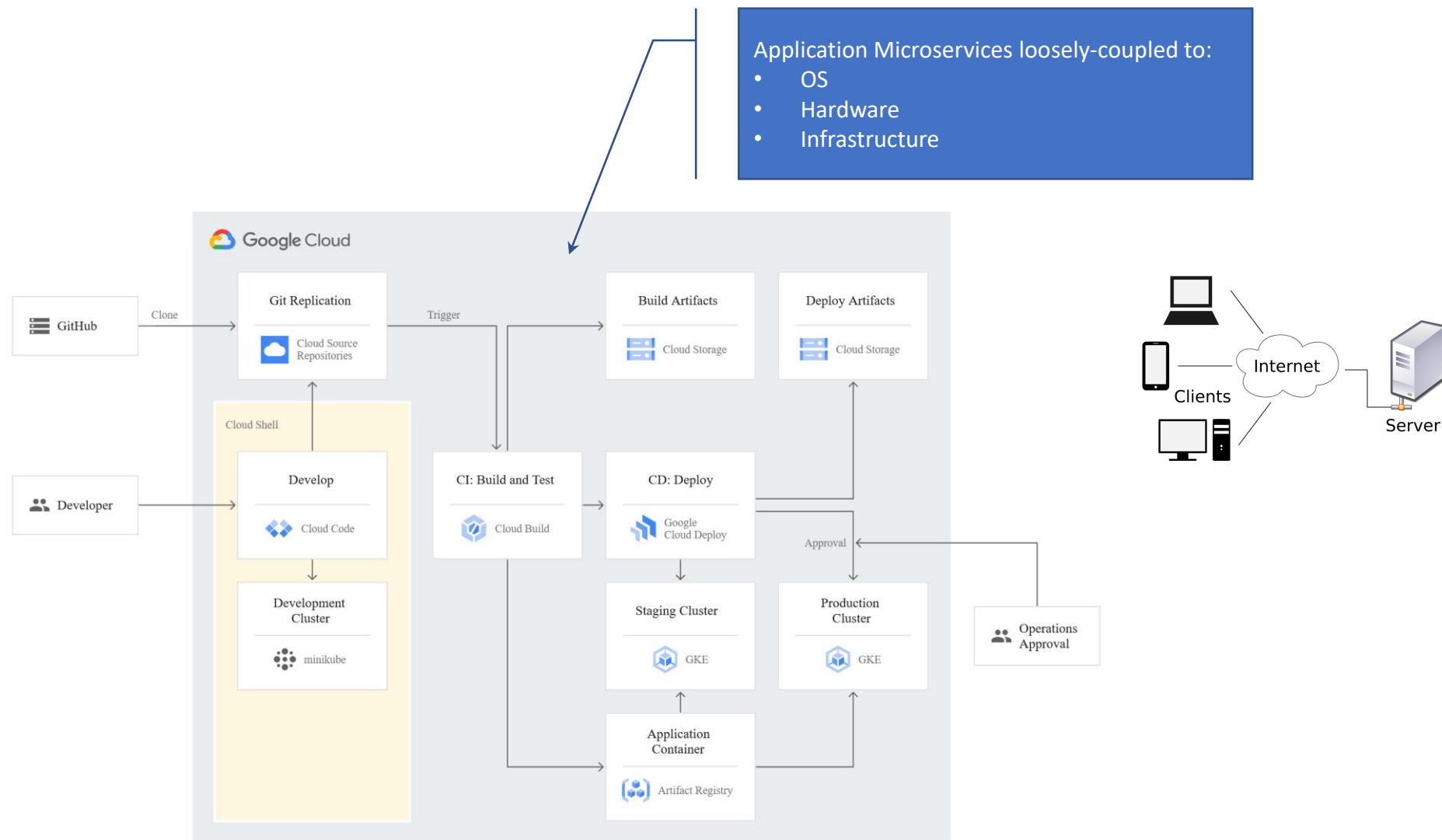
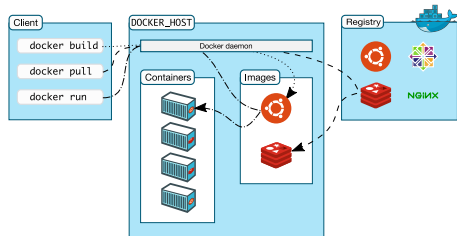


Application Microservices tightly-coupled to:

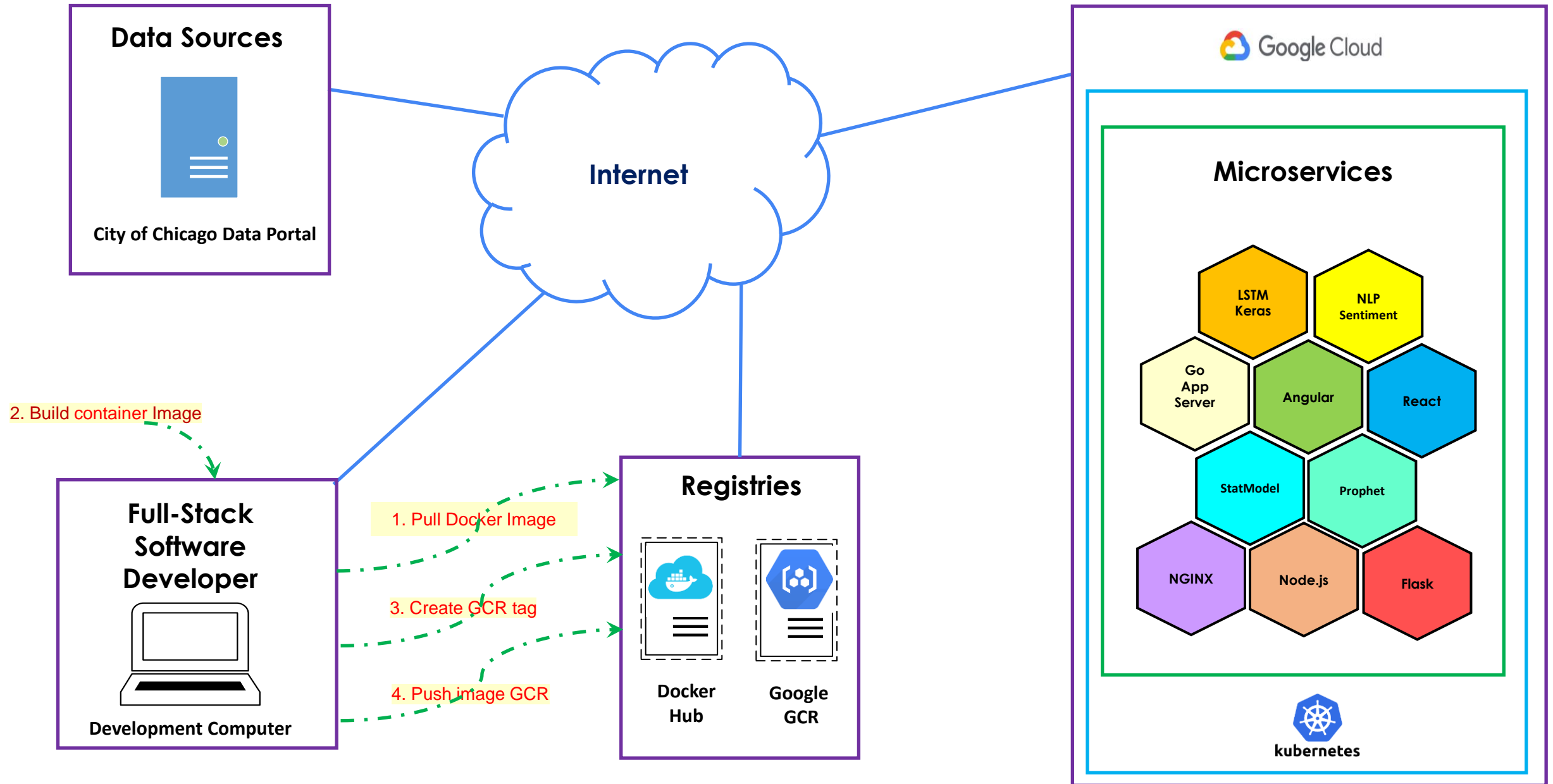
- Infrastructure



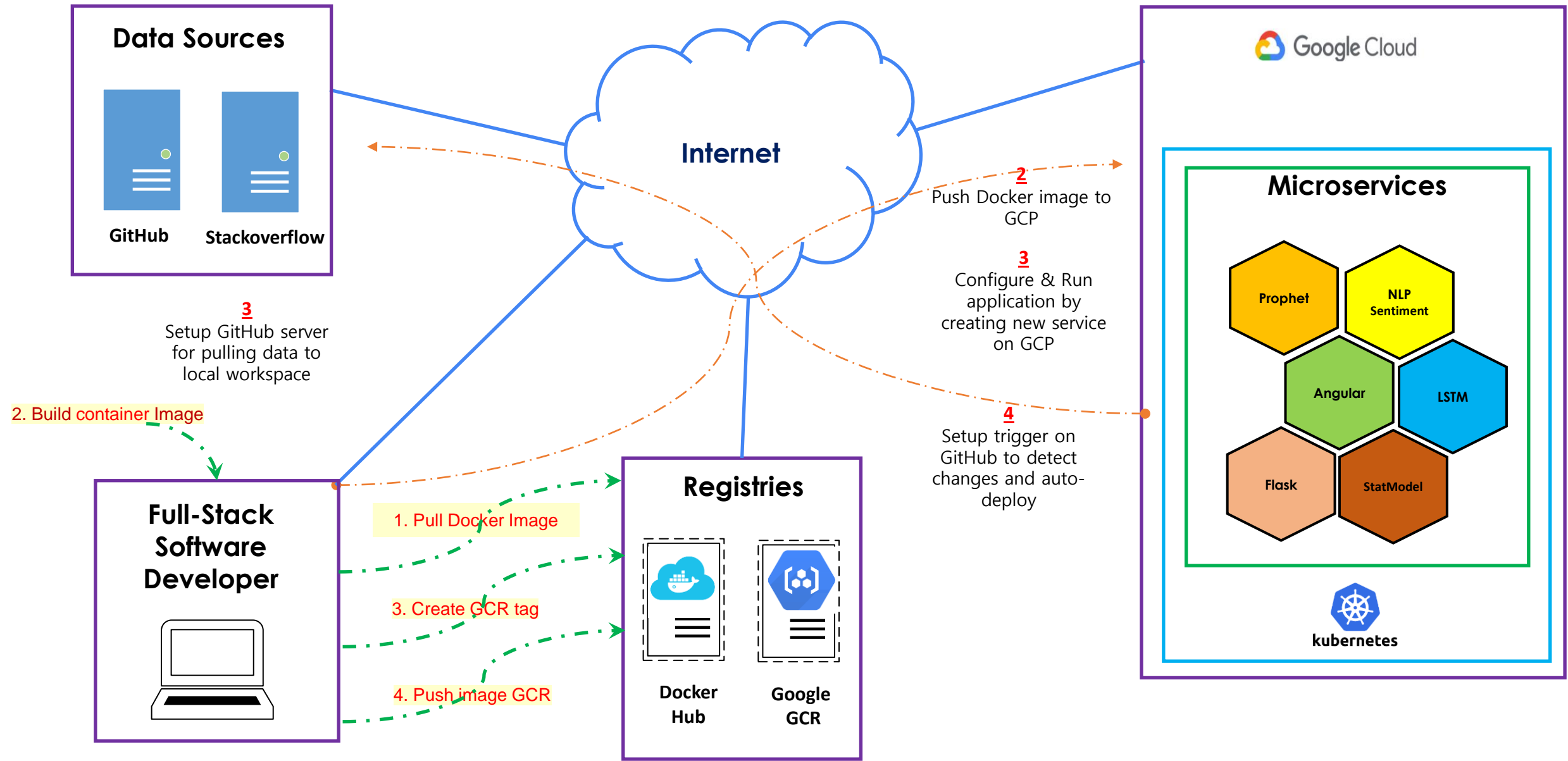




Architecture & Design for Cloud-Native Microservices



Architecture - Microservices GCP/GCR



References

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- <https://docs.docker.com/get-started/overview/>