



Case Study

Native Data Usage (POS)

Startup Needing to Speed Up

Industry:

Services to retailers

The data:

- Available.
- Retail (POS) transactions.

Who has the pain?

- Management.
- Dating team.

Previous attempts

- Yes.

Data stack:

- R.
- Google, DigitalOcean.
- Posit Connect, Posit Package Manager.

Data Maturity

- Code First: High.
- Infrastructure: Medium-Low.

»» The Challenge

Scalable Infrastructure

A startup with an analytics product for POS (point of sale) data needs to scale its processes because they are reaching processing capacity limits.

The solution:

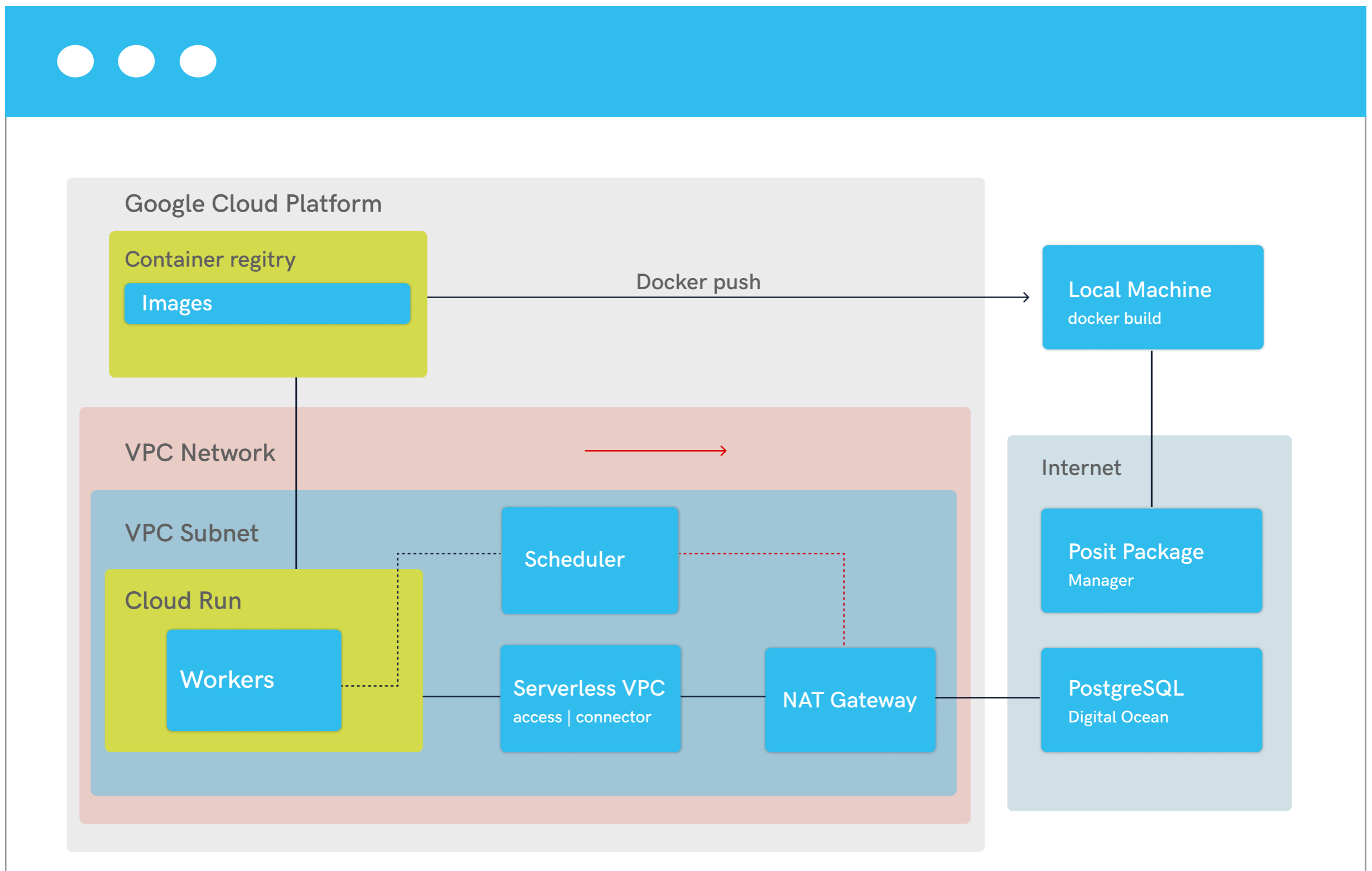
Analysis and mapping of the current solution and architecture.

Alternative architecture proposal that allows scaling based on containers.

Architecture implementation and code refactoring.

Definition and implementation of custom deployment process (in code).





✓ Metrics:

- Infrastructure capacity to accommodate **customer growth**.
- **Data upload time** from POS.



Customer Benefits:

- A **new architecture on GCP** that can scale without limits.
- **Quality improvements** to existing code.
- **Optimizing** the performance of existing code.
- Implementation of DataOps processes, **improving the resilience of the solution**.
- **Automated** deployment processes.