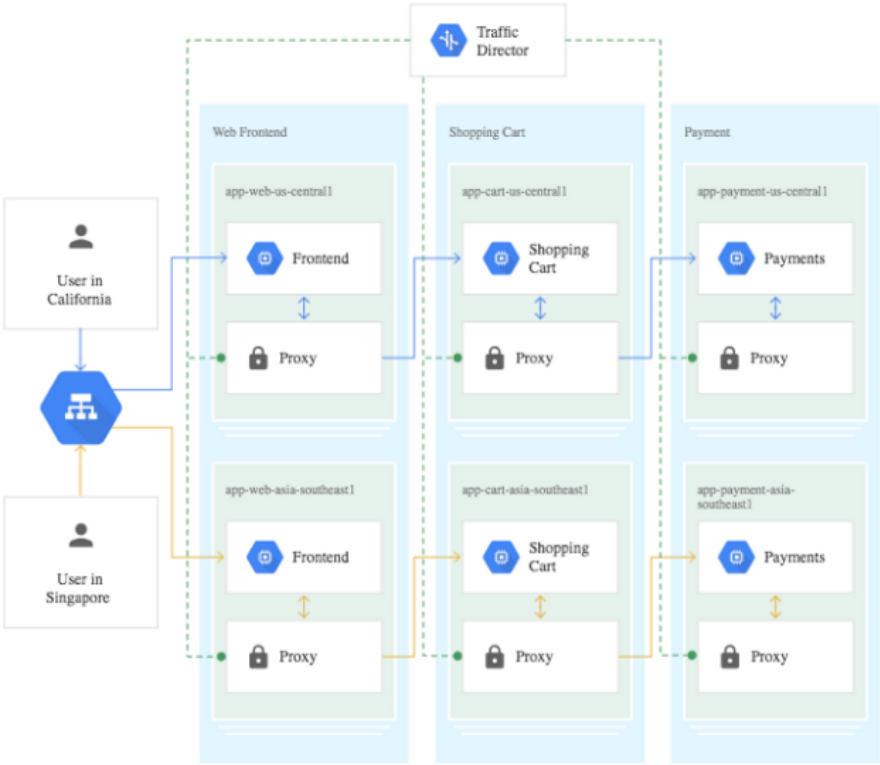## Traffic Director

05 August 2021   19:59

Centralized health-checking

Large service meshes can generate a large amount of health-checking traffic, since every sidecar proxy has to health-check all the service instances in the service mesh. As the mesh grows, having every client proxy health-check every server instance creates an n_2 health-checking problem, which can become an obstacle to growing and scaling your deployments.

Traffic Director solves this by centralizing health-checks, where a globally distributed, resilient system monitors all service instances. Traffic Director then distributes the aggregated health-check results to all the proxies in the worldwide mesh using the EDS API.

Traffic Director in a global load balancing deployment (cloud.google.com)