

This deck (probably) has every GCP icon you've ever wanted. You can find SVG, powerpoint, draw.IO, Lucidchart, Simple Designs, or Cacoo at cloud.google.com/icons.

Thanks for building with GCP!

← → ⌂ Secure | <https://cloud.google.com/icons/>

Google Cloud

Why Google Products Solutions Launcher Pricing Security Customers Documentation Support >

CONSOLE ⋮

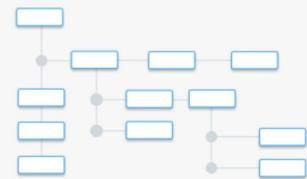
SOLUTION ICONS FOR ARCHITECTURAL DIAGRAMS

The official set of icons to build architectural diagrams of Google Cloud Platform

Official Icons and Sample Diagrams

Here's the official set of icons to build architectural diagrams of Google Cloud Platform.

Also included are 50 sample diagrams, viewable in Google Slides, PowerPoint, and Lucidchart. These icons and diagrams are intended to be used to accurately reference Google's technology and tools, in architectures, blog posts, whitepapers, datasheets, posters, and other technical material.



These slides come from a [website](#) which might have other tools you use also →

ASSET LIBRARY



Google Slides

[VIEW THE PRESENTATION](#)



PowerPoint

[VIEW THE PRESENTATION](#)



Lucidchart

[VIEW THE TEMPLATE](#)



Draw.io

[VIEW THE ICON SET](#)



Cacoo

[VIEW THE ICON SET](#)



SimpleDiagrams

[DOWNLOAD THE SDLP LIBRARY \(ZIP\)](#)



PNG Basic cards

[DOWNLOAD THE CARDS \(ZIP\)](#)



SVG and PNG Icons

[DOWNLOAD THE ICONS \(ZIP\)](#)

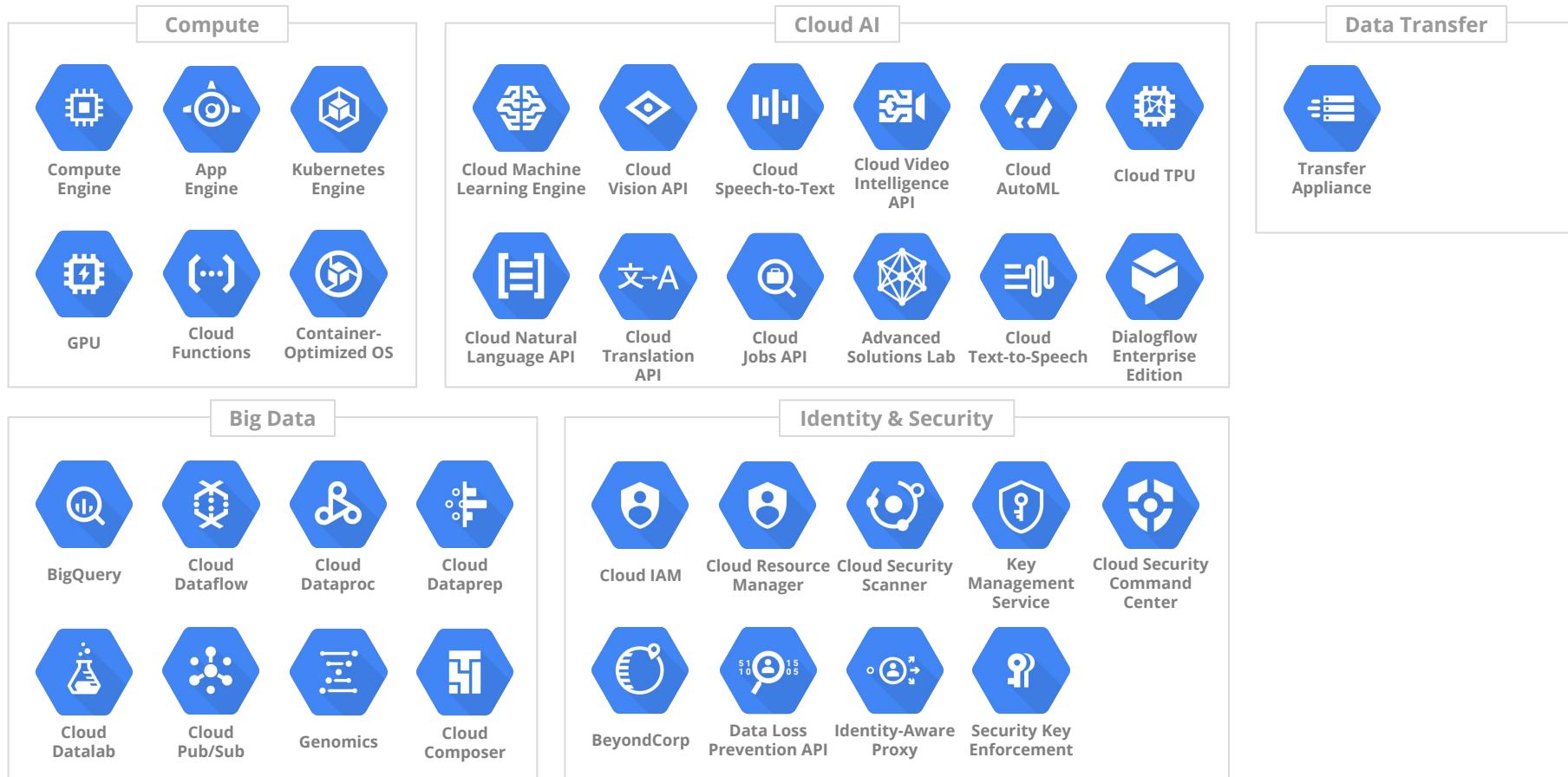
GCP Icons

v1.4

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Google Cloud Platform Icons



The Products logos contained in this icon library may be used freely and without permission to accurately reference Google's technology and tools, for instance in books or architecture diagrams.

Google Cloud Platform Icons

Management Tools



Stackdriver Monitoring Logging Error Reporting Trace



Debugger Cloud Deployment Manager Cloud APIs Cloud Console Cloud Shell



Cloud Mobile App Cloud Billing API Profiler

Networking



Virtual Private Cloud Cloud Load Balancing Cloud CDN Cloud External IP Addresses Cloud Firewall Rules Cloud Router



Dedicated Interconnect Cloud DNS Cloud Network Cloud Routes Cloud VPN Partner Interconnect

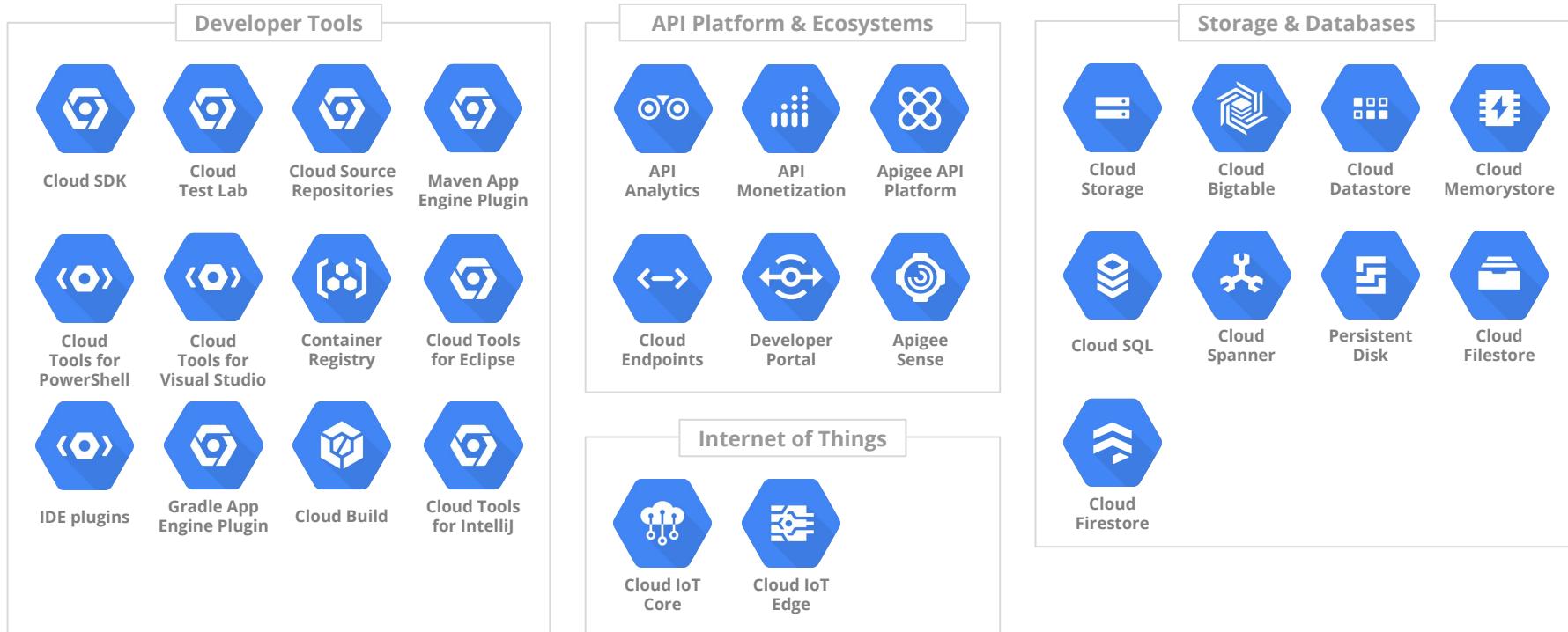


Cloud Armor Standard Network Tier Premium Network Tier



GCP products and services without a unique icon have a generic hexagon.

Google Cloud Platform Icons



Open Source Icons



Kubernetes



Kubernetes



Name
Kubernetes



Name
Kubernetes



TensorFlow



TensorFlow



Name
TensorFlow



Name
TensorFlow



Forseti
Security



Forseti
Security



Name
Forseti Security



Name
Forseti Security



Istio



Istio



Name
Istio



Name
Istio

Diagram Elements

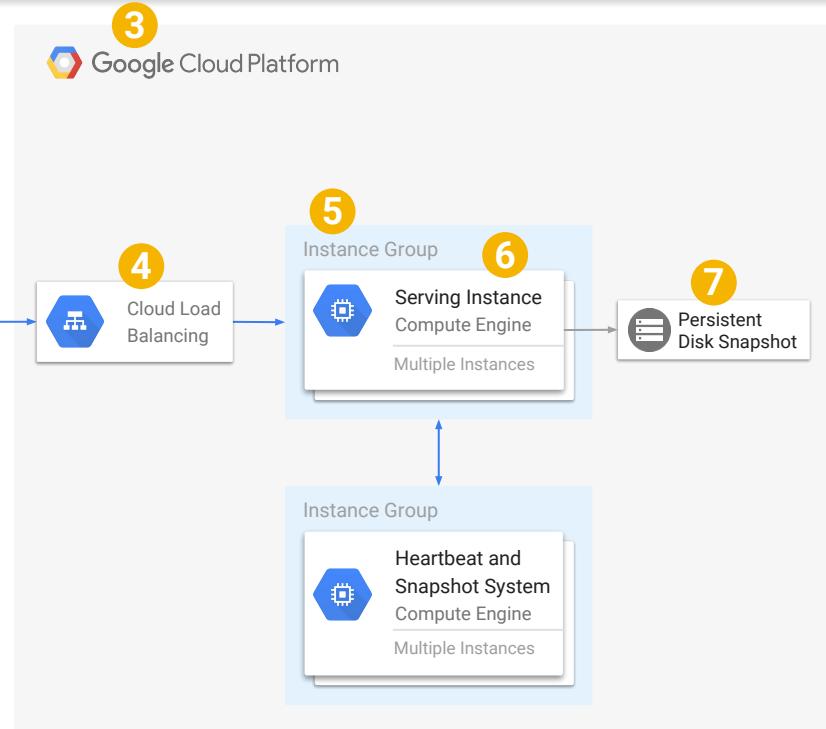
Diagram Elements: Overview

The call-outs below identify the various elements found in a diagram.

- 1 User Cards
- 2 User Paths
- 3 Project/Platform Zone
- 4 Product Card
- 5 Zone grouping
- 6 Expanded Product Card
- 7 Service Card
- 8 Title bar (Optional)
- 9 Footer (Optional)

Architecture: Backup and Archive > Disaster Recovery Cold standby server

8



9

Diagram Elements: User Cards and User Paths

Grey icons represent user or device input.

User elements are located on the left side of the diagram, where the flow originates. A path connects these elements to Google Cloud Platform elements. A name can be used to clarify the user or alternate input method.

User and alternate input icons are 72x72px with a black (#000000) fill at 54% opacity.

Generic User



Specific User



Phone User



Alternate Input



Primary Path



2pt | Google Blue | #4284F3

Optional Primary Path



2pt Dashed | Google Blue | #4284F3

Secondary Path



2pt | 38% Black | #9E9E9E

Optional Secondary Path



2pt Dashed | 38% Black | #9E9E9E

Success Status



2pt | Google Green | #34A853

Failure Status



2pt | Google Red | #EA4335

Diagram Elements: Product and Service Cards

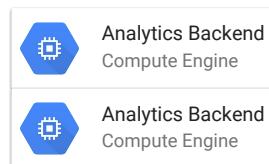
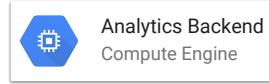
Product and Service information is displayed using Material Design cards.

Product Cards can be single or grouped. Product Cards can display a functional name above the product name for additional clarity.

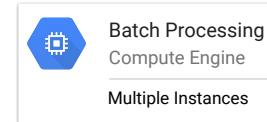
Expanded Product Cards allow the use of icons and text to identify attributes of the product.

Service cards use a circular icon frame and text wrapped to decrease card width.

Product Card



Expanded Product Card



Service Card

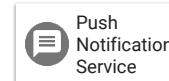


Diagram Elements: Zones and Nesting

Zones define project areas and groups within project areas.

Use zones to clarify diagram structure and flow. The user area can also contain zones to clarify user pathways.

All zones have 2px rounded corners.

Zones do not have shadows.

User 1 (Default)
#FFFFFF

Infrastructure
System 2
#F3E5F5

colo / dc /
on-premises
#EEEBE9

System 1
#F1F8E9

External SaaS
Providers
#FFEBEE

External Data
Sources
#FFF8E1

External
infrastructure
3rd party
#EOF2F1

External
in External
1st infrastructure
#E1F5FE
1st party

Project Zone / Cloud Service Provider
#F6F6F6

Logical Grouping of Services / Instances
#E3F2FD

Zone
#FFF3E0

SubNetwork
#EDE7F6

Kubernetes cluster
#FCE4EC

pod
#E8F5E9

Account
#E8EAF6

Region
#ECEFF1

Zone
#FFF3E0

Firewall
#FBEBE7

Instance Group
#F9FBE7

Replica Pool
#EOF7FA

Optional Component
2pt dashed line #4284F3

Diagram Elements: Zones and Nesting - Specifications

User Zones:

- 1 16px padding (all sides)
- 2 Zone Heading - Roboto Med
16px type / 24px line-height
#000000 | 38% opacity
- 3 Zone Subhead - Roboto Reg
12px type / 16px line-height
#000000 | 38% opacity
- 4 Icon Title - Roboto Reg
12px | #000000 | 87% opacity
- 5 Icons
#000000 | 54% Opacity
centered in zones

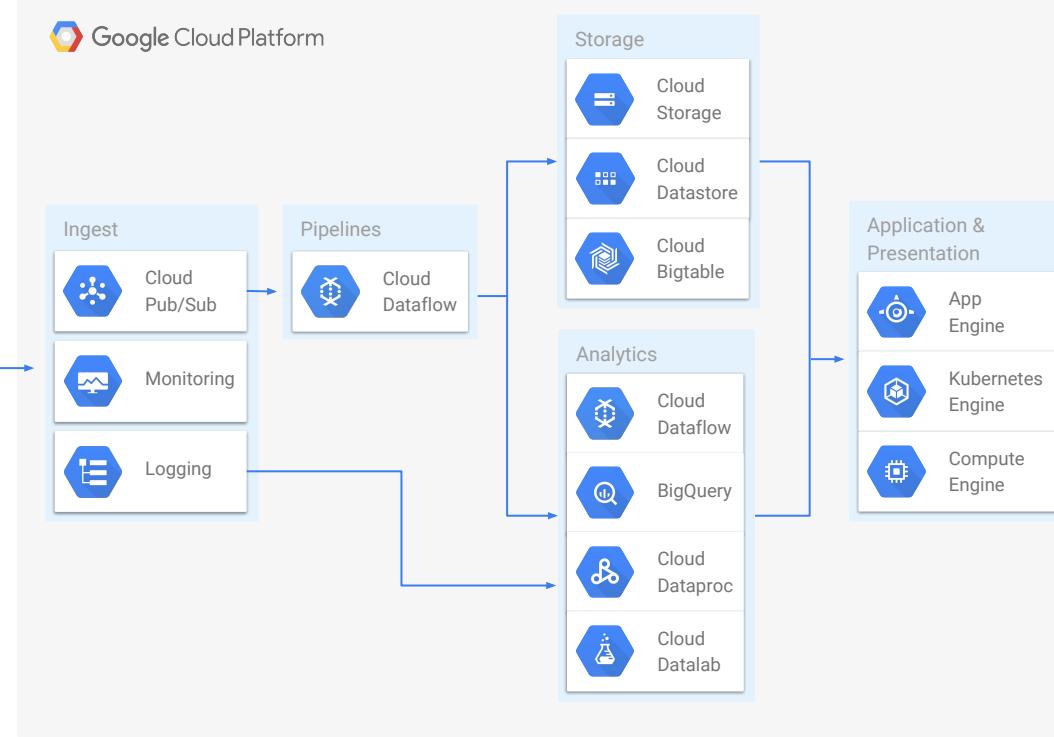
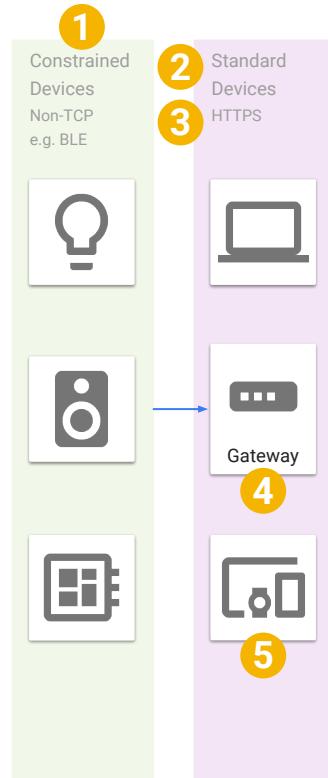


Diagram Elements: Zones and Nesting - Specifications

Project Zone:

1 16px padding top | 24px padding right, bottom, left

2 Project Zone - Heading
(Optional) Roboto Med
16px type / 24px line-height
#000000 | 87% opacity

3 Zone Level 1 - Heading
Roboto Med
16px type / 24px line-height
#000000 | 38% opacity
8px pad top, 16px Pad left

4 Zone Level 1 - Cards
8px padding top, right,
bottom, left and between
cards

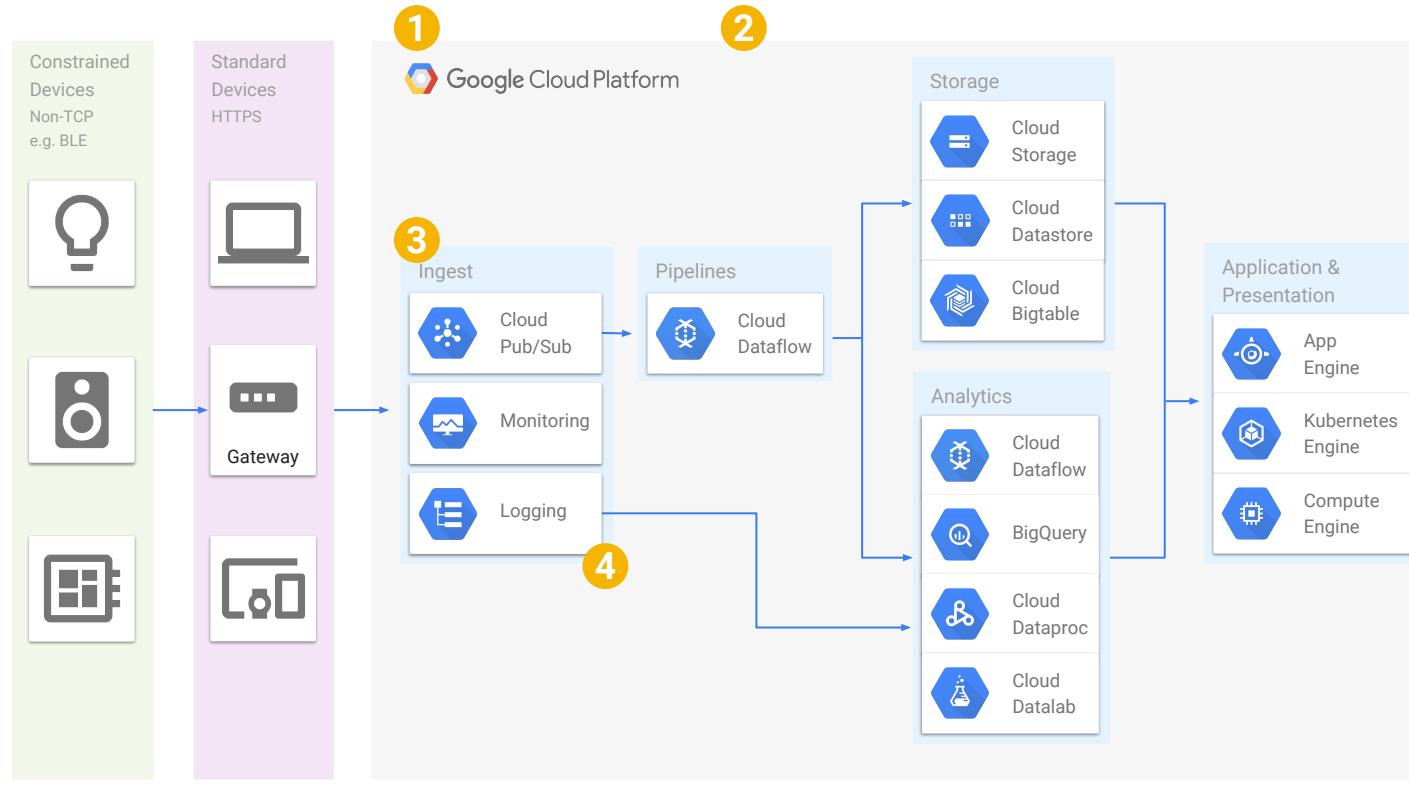


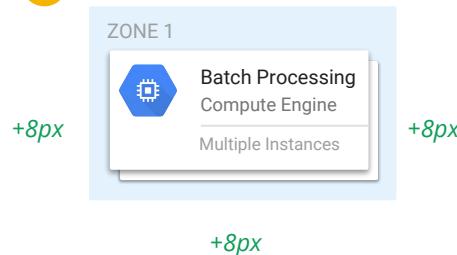
Diagram Elements: Zones and Nesting - Specifications

Project Zone Exceptions:

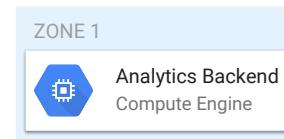
1 Stacked cards need additional padding due to shadow width.

+ 8px padding right, bottom and, left

1



Stacked card with
additional padding



Standard card with
normal padding

Diagram Elements: Expanded Product Card - Specifications

Disks

Call out disk size and type used on a Product Card.

When using the Expanded Product Card you can identify the number of disks, the total storage capacity, and the type of disks being used.

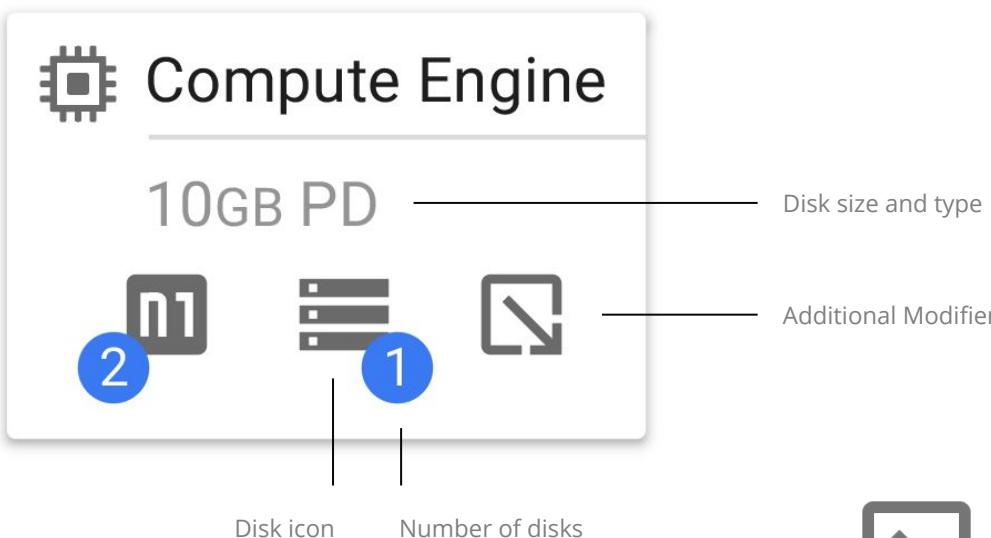
Disk options

PD - Persistent Disk

PD-SSD - Persistent SSD Disk

Local SSD - Local SSD Disk

Disk icons, like other icons, are black (#000000) at 54% opacity



Autoscaling



Preemptable
Virtual Machine

Instance w/1 Persistent Disk

Diagram Elements: Expanded Product Card - Specifications

Machine Type

Six different machine types can be defined by a unique icon and identifiers for "GB of RAM per core" and "number of cores".

Machine Type Options

Standard machine
Shared-core machine (F1)
Shared-core machine (G1)
High-CPU machine
High-memory machine
Custom Virtual Machine

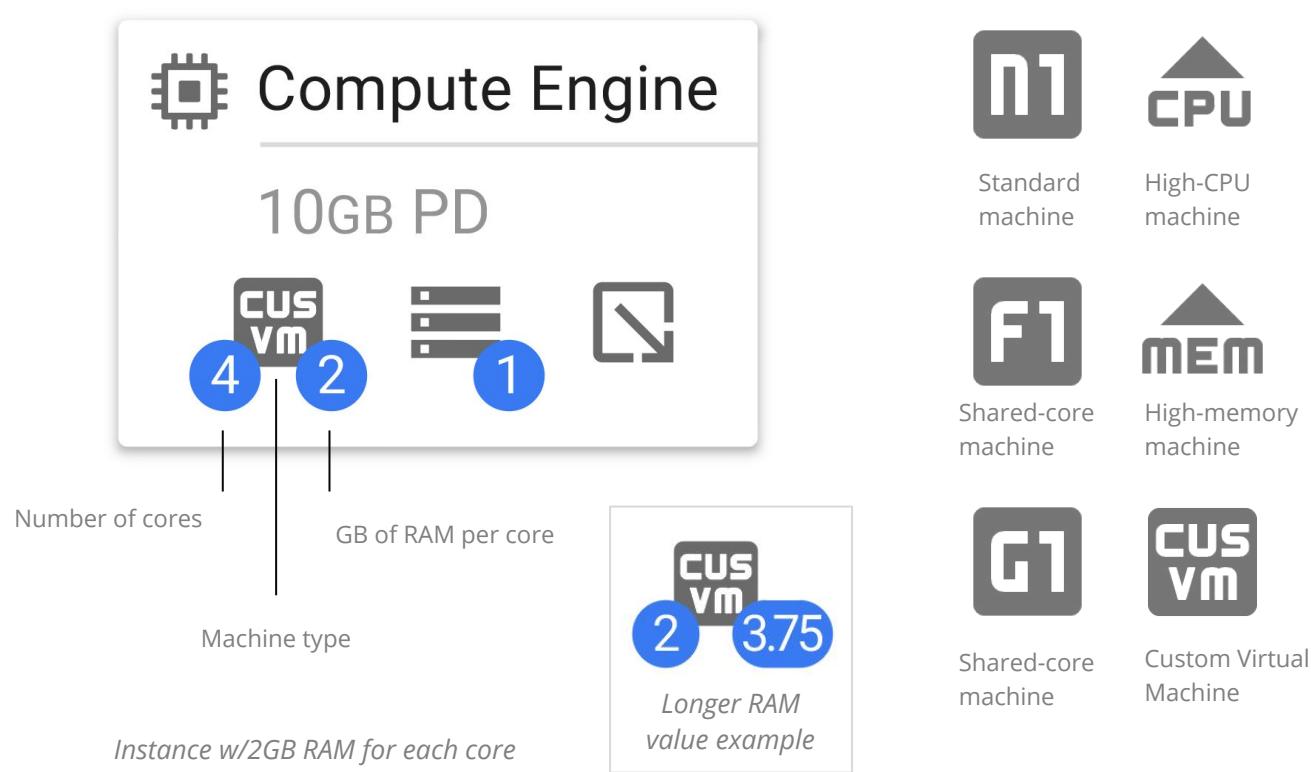


Diagram Elements: Title and Footer Bars

An optional Title and Footer bar can be added to diagrams if needed.

The Title and Footer bars create a polished and complete look when used with a diagram.

Title Bar

Architecture: App Engine and Cloud Endpoints

Footer Bar

Material Icons from Google

Icons and Material Design

Material Design icons are simple, modern, friendly, and sometimes quirky. Each icon is reduced to its minimal form. The designs ensure readability and clarity even at small sizes.

Use these icons to create specific User and Device Cards or Service Cards while maintaining a consistent visual look.

Material icons can be searched and downloaded directly from material.io/tools/icons/

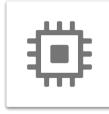
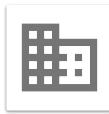
TIP: Use black icon then set transparency to 46% in "Format > Format Options" to match icon color.



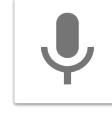
Sample of Material icons

Elements for Slides & PPT

User and Device Cards



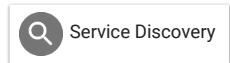
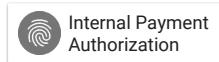
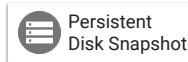
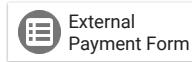
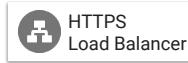
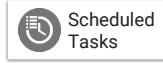
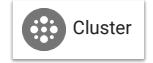
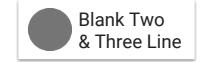
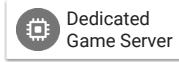
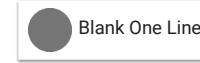
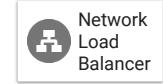
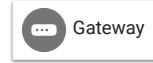
One Line



Two
Line



Service Cards



Zones



User 1 (Default)
#FFFFFF

Infrastructure
System 2
#F3E5F5

colo / dc /
on-premises
#EFEBE9

System 1
#F1F8E9

External SaaS
Providers
#FFEBEE

External Data
Sources
#FFF8E1

External
infrastructure
3rd party
#E0F2F1

External
infrastructure
1st party
#E1F5FE

Project Zone / Cloud Service Provider
#F6F6F6

Logical Grouping of Services / Instances
#E3E2FD

Zone
#FFF3E0

SubNetwork
#EDE7F6

Kubernetes cluster
#FCE4EC

pod
#E8F5E9

Account
#E8EAF6

Region
#ECEFF1

Zone
#FFF3E0

Firewall
#FBE9E7

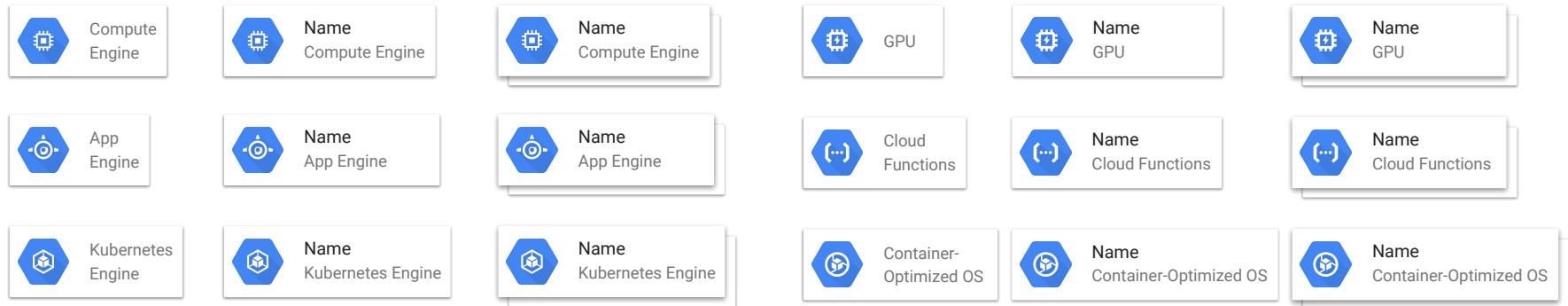
Instance Group
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Replica Pool
#E0F7FA

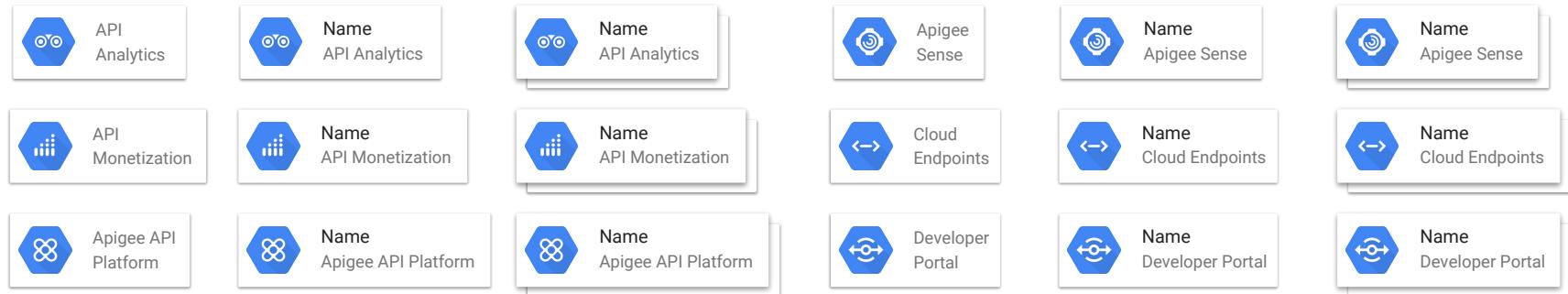
Optional Component
2pt dashed line #4284F3

Product Cards

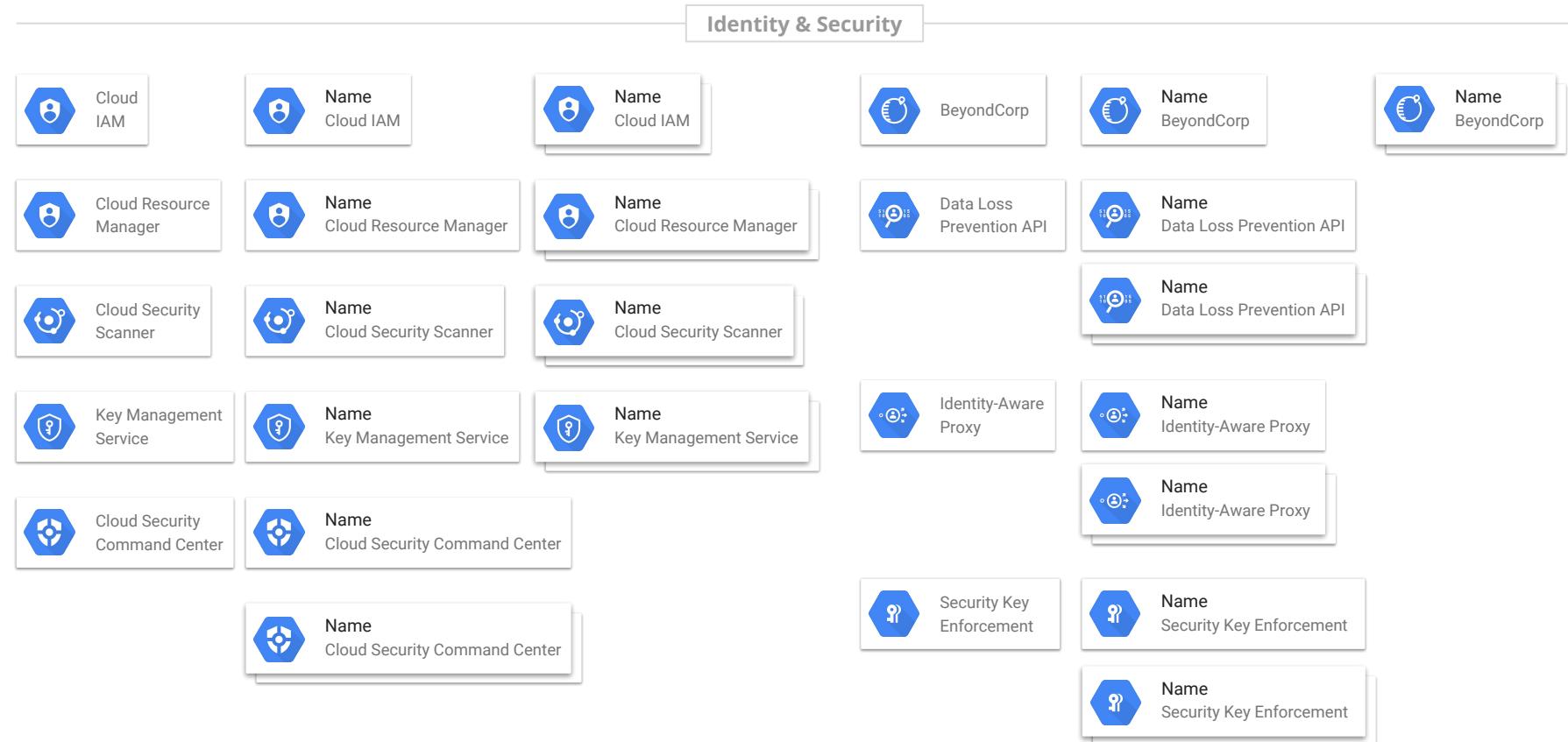
Compute



API Platform & Ecosystems

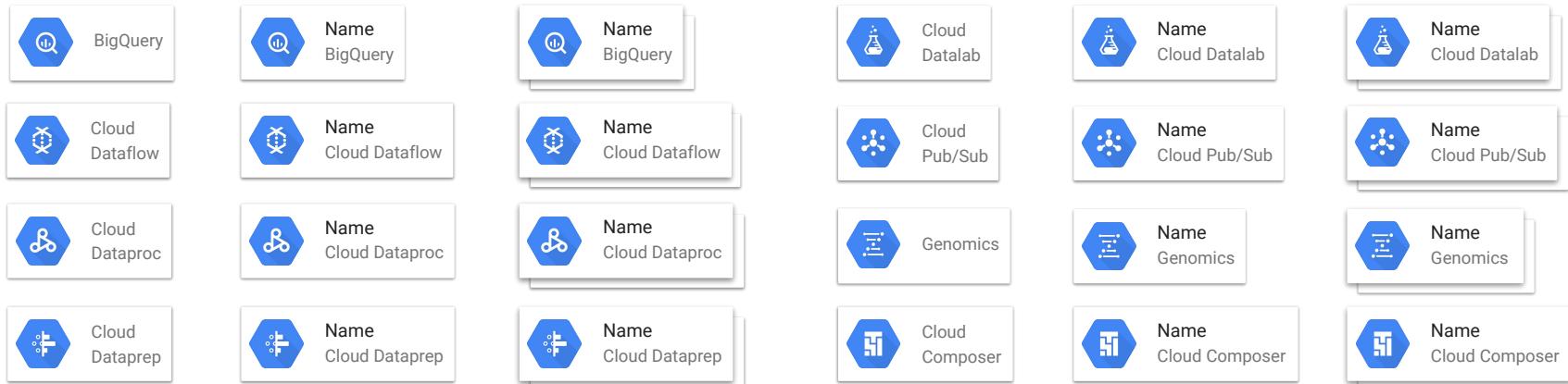


Product Cards

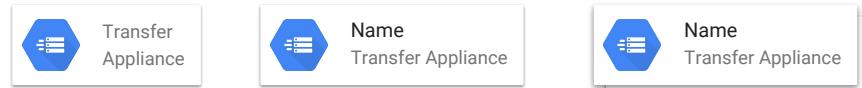


Product Cards

Big Data

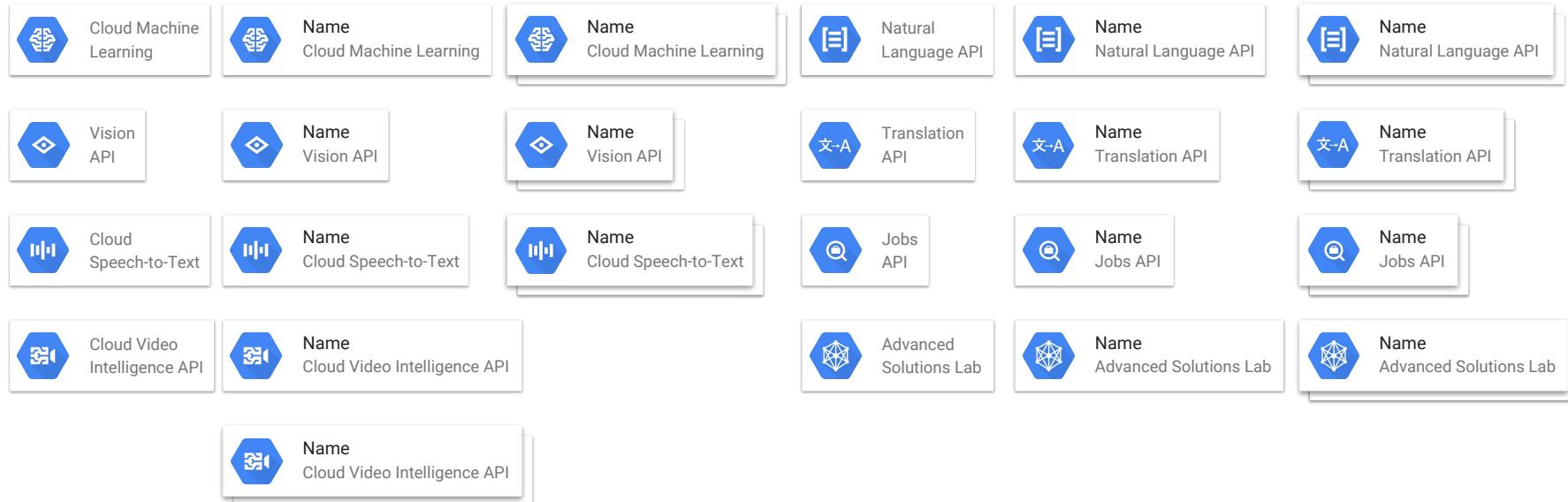


Data Transfer



Product Cards

Cloud AI

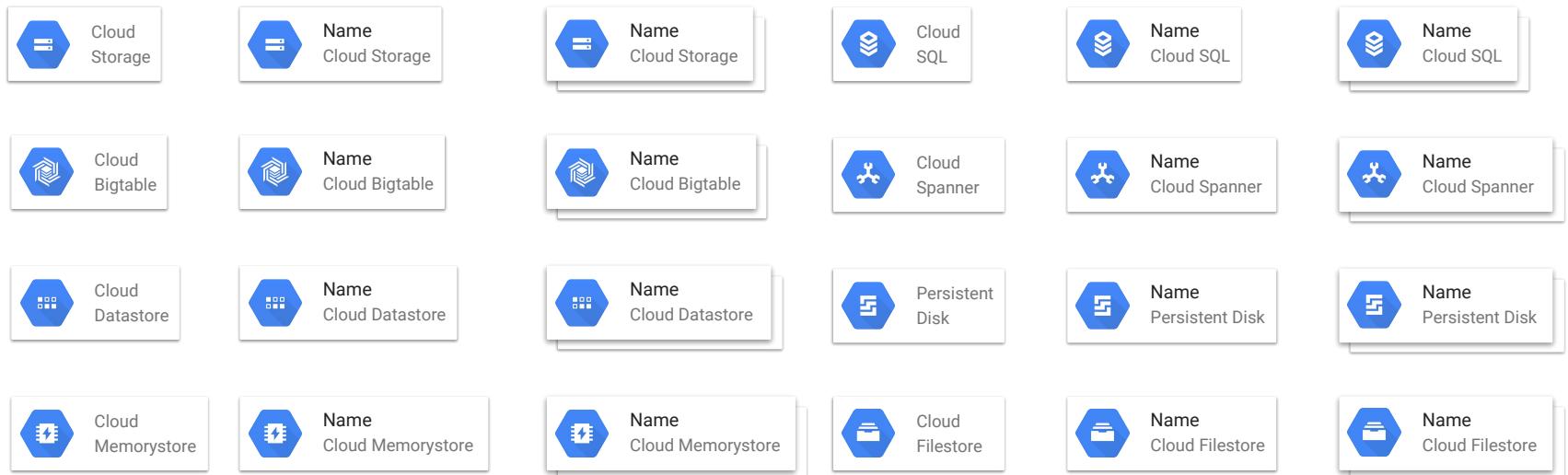


Product Cards

Internet of Things

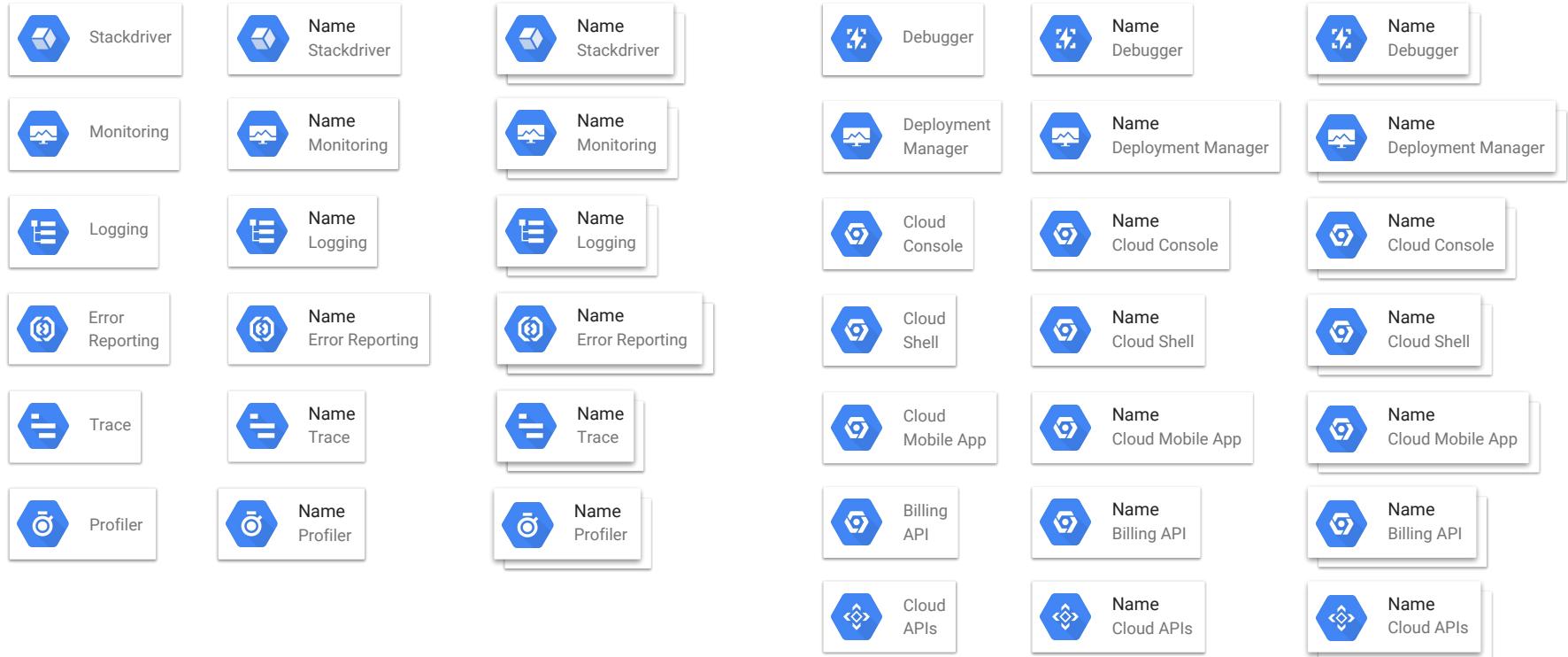


Storage & Databases



Product Cards

Management Tools



Product Cards

Networking

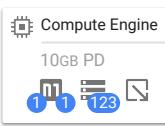
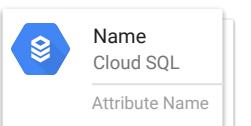
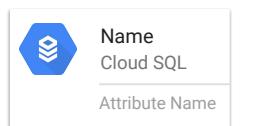
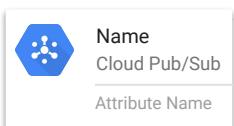
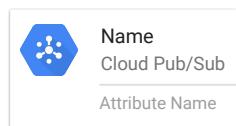
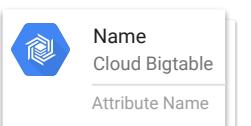
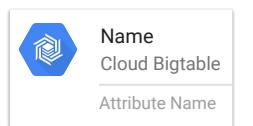
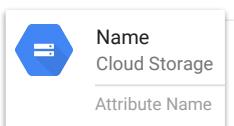
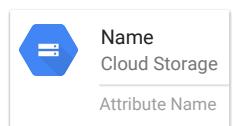
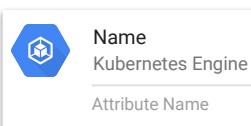
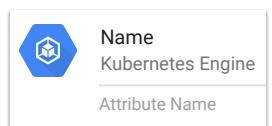
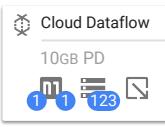
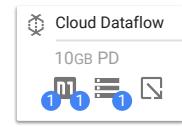
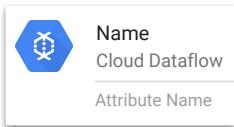
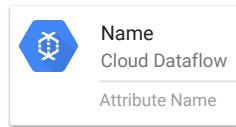
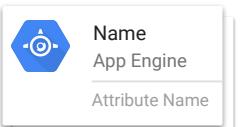
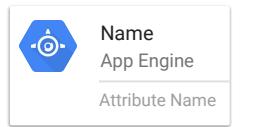
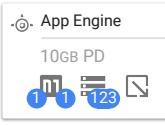
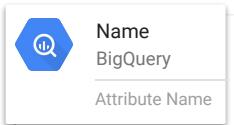
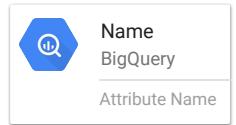
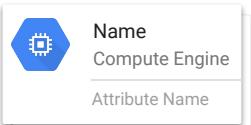
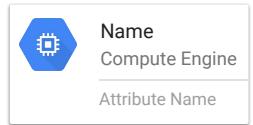
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 Cloud Load Balancing	 Name Cloud Load Balancing	 Name Cloud Load Balancing	 Cloud DNS	 Name Cloud DNS	 Name Cloud DNS
 Cloud CDN	 Name Cloud CDN	 Name Cloud CDN	 Cloud Network	 Name Cloud Network	 Name Cloud Network
 Cloud External IP Addresses	 Name Cloud External IP Addresses	 Name Cloud External IP Addresses	 Cloud Routes	 Name Cloud Routes	 Name Cloud Routes
 Cloud Firewall Rules	 Name Cloud Firewall Rules	 Name Cloud Firewall Rules	 Cloud VPN	 Name Cloud VPN	 Name Cloud VPN
 Cloud Router	 Name Cloud Router	 Name Cloud Router	 Cloud Armor	 Name Cloud Armor	 Name Cloud Armor
 Standard Network Tier	 Name Standard Network Tier	 Name Standard Network Tier	 Premium Network Tier	 Name Premium Network Tier	 Name Premium Network Tier
 Partner Interconnect	 Name Partner Interconnect	 Name Partner Interconnect			

Product Cards

Developer Tools

 Cloud SDK	 Name Cloud SDK	 Name Cloud SDK	 Cloud Build	 Name Cloud Build	 Name Cloud Build
 Gradle App Engine Plugin	 Name Gradle App Engine Plugin	 Name Gradle App Engine Plugin	 Cloud Tools for Visual Studio	 Name Cloud Tools for Visual Studio	
 Cloud Source Repositories	 Name Cloud Source Repositories	 Name Cloud Source Repositories		 Name Cloud Tools for Visual Studio	
 Maven App Engine Plugin	 Name Maven App Engine Plugin	 Name Maven App Engine Plugin	 Cloud Tools for Eclipse	 Name Cloud Tools for Eclipse	 Name Cloud Tools for Eclipse
 Cloud Tools for IntelliJ	 Name Cloud Tools for IntelliJ	 Name Cloud Tools for IntelliJ	 Cloud Test Lab	 Name Cloud Test Lab	 Name Cloud Test Lab
 Cloud Tools for PowerShell	 Name Cloud Tools for PowerShell	 Name Cloud Tools for PowerShell	 IDE plugins	 Name IDE plugins	 Name IDE plugins
 Container Registry	 Name Container Registry	 Name Container Registry			

Expanded Product Cards



Title bar, Footer bar, Project Zone, Notes, Markers, and Legend

Architecture: App Engine and Cloud Endpoints



Google Cloud Platform

Use this note to call out
or clarify parts of a diagram

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦

Markers to be used with the legend to the right

1 Commit code

3 Build immutable image

5 Run tests

2 Detect code change

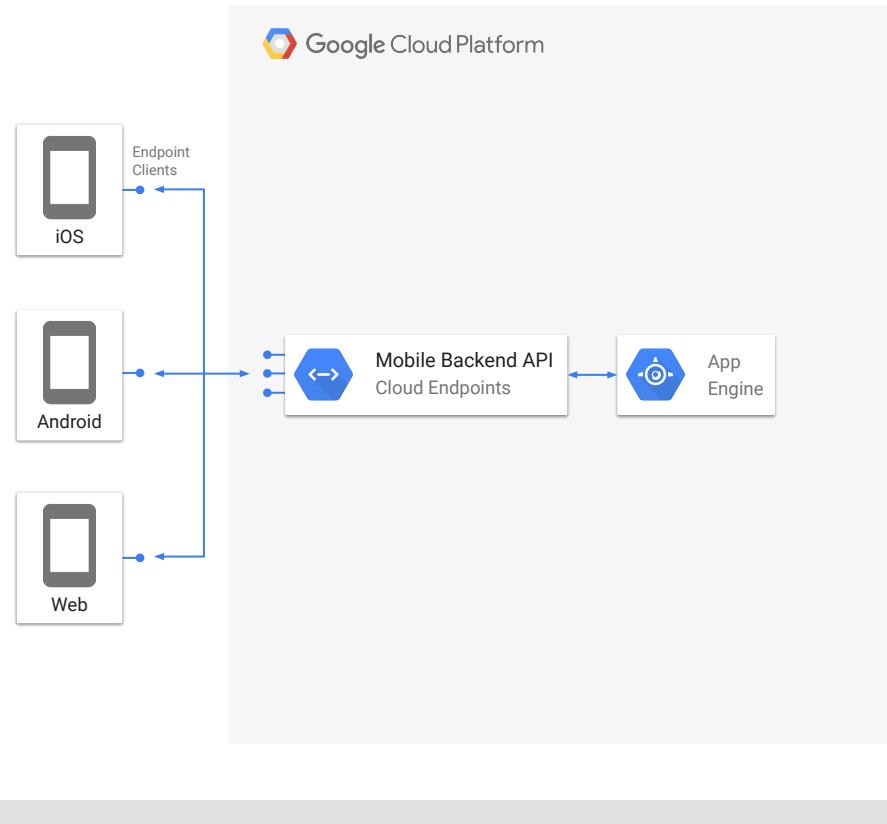
4 Launch test instance from image

6 Perform rolling update of image
to autoscaler

Diagram Examples: General

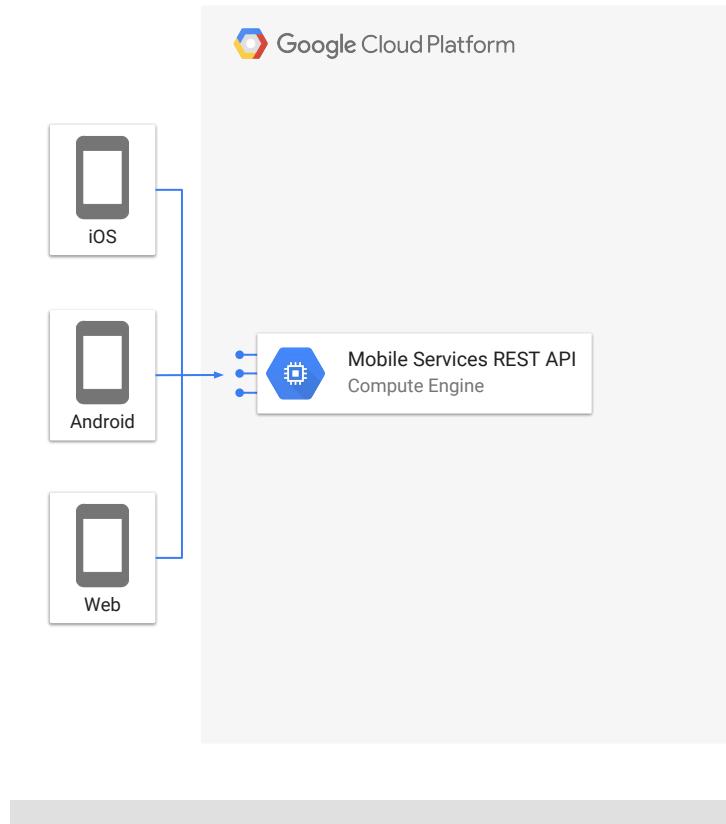
General > App Engine and Cloud Endpoints

Architecture: General > App Engine and Cloud Endpoints



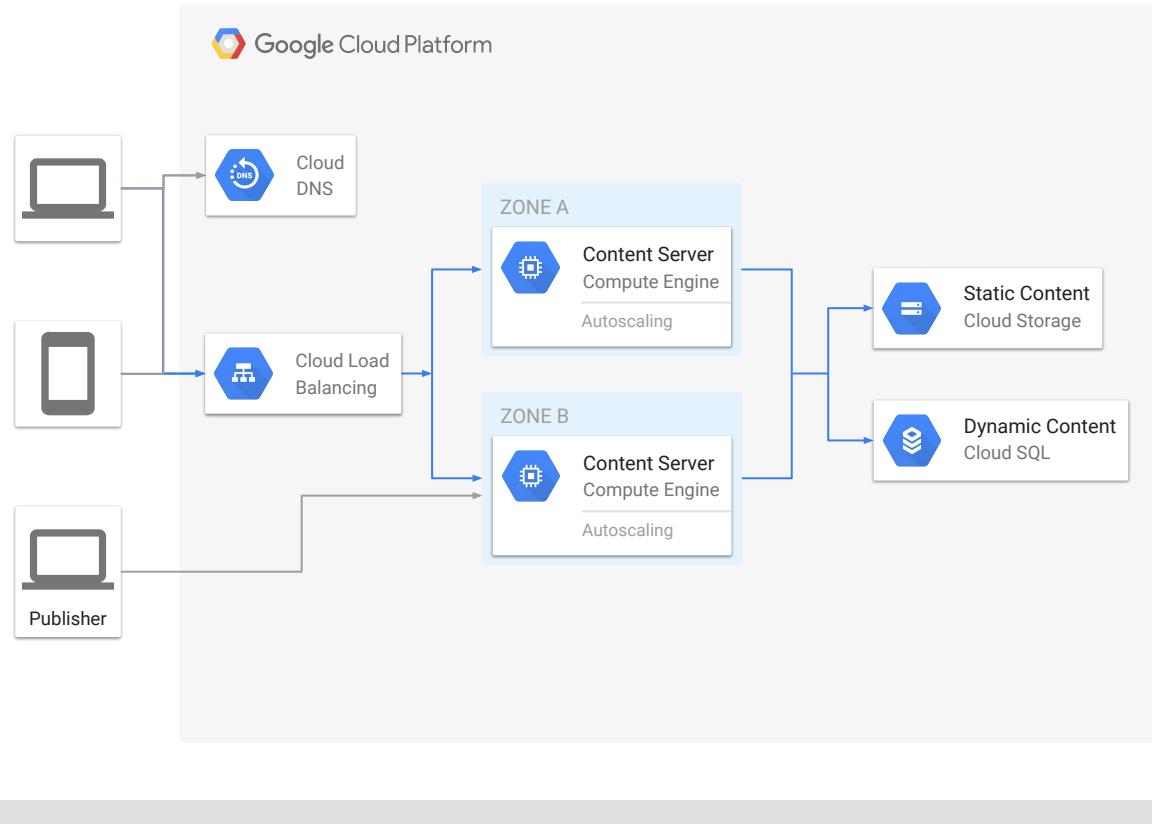
General > Compute Engine and REST or gRPC

Architecture: General > Compute Engine and REST or gRPC



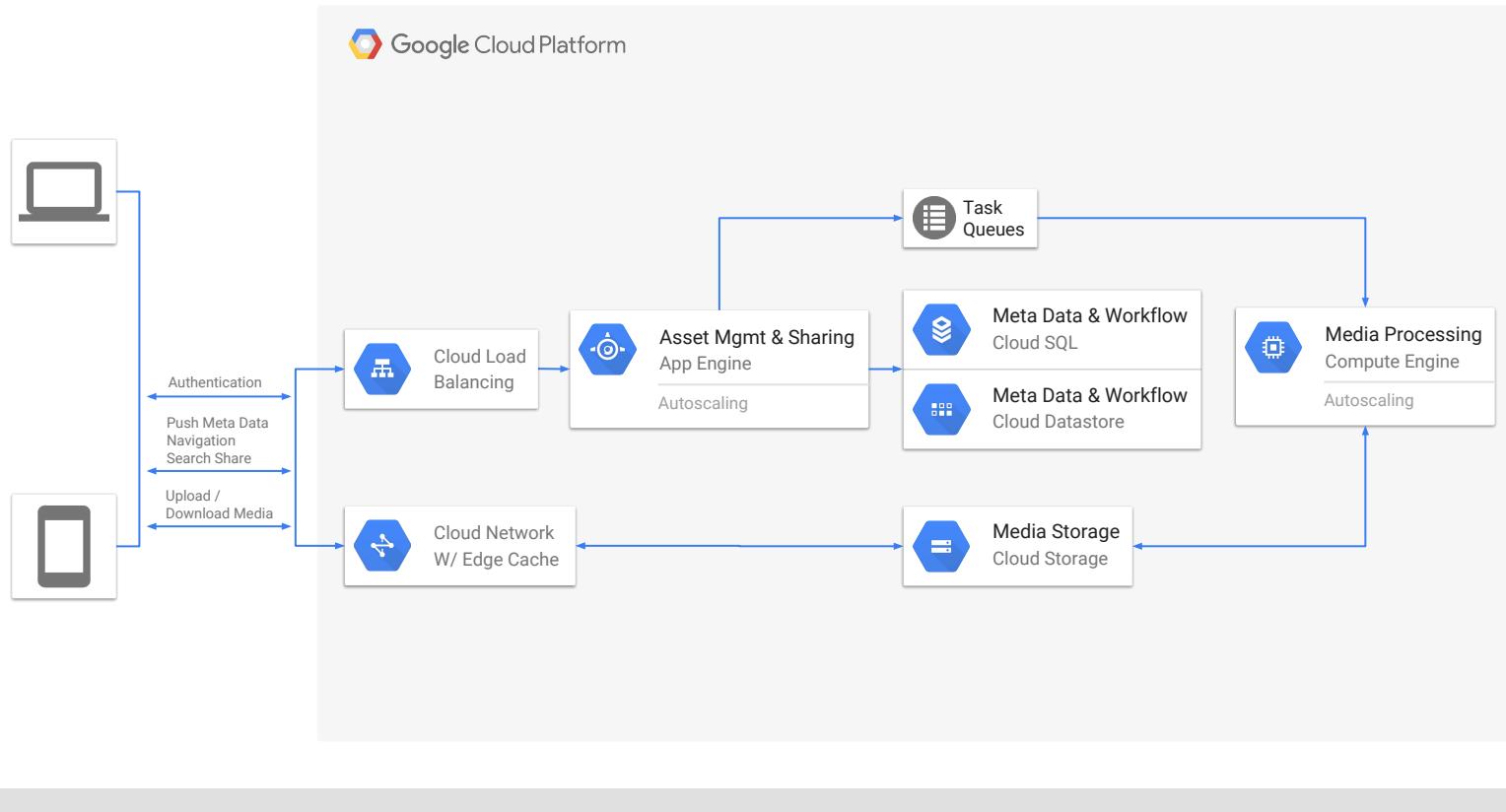
General > Content Management

Architecture: General > Content Management



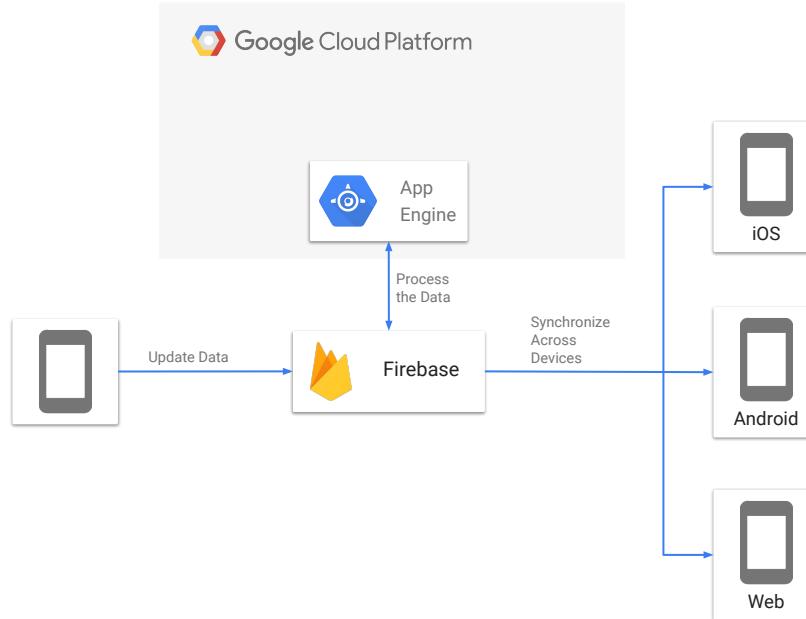
General > Digital Asset Management and Sharing

Architecture: General > Digital Asset Management and Sharing



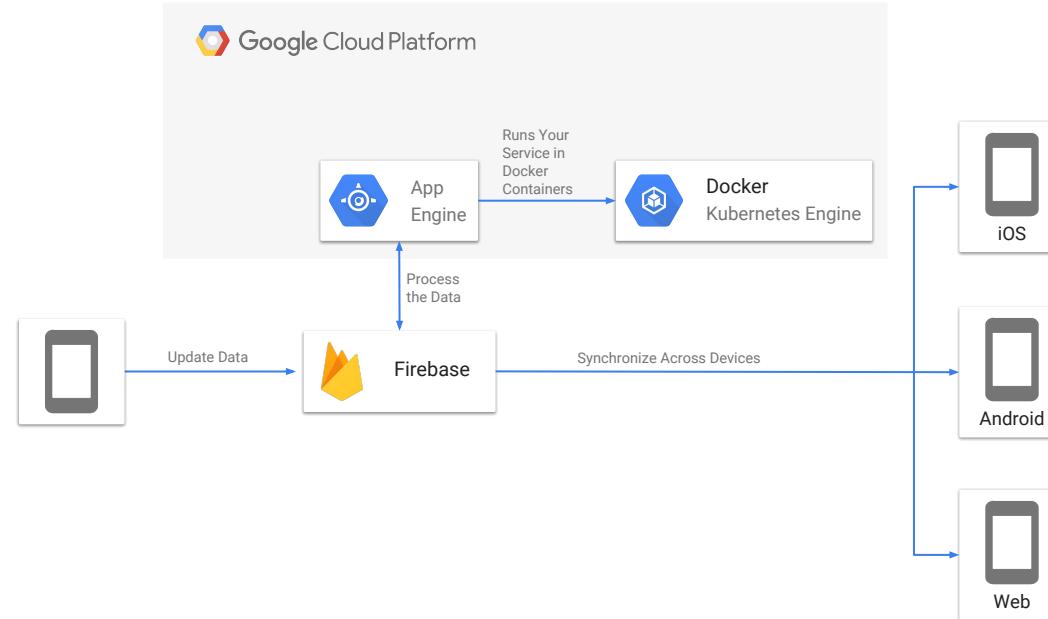
General > Firebase and Google App Engine

Architecture: General > Firebase and Google App Engine



General > Firebase and Managed VMs

Architecture: General > Firebase and Managed VMs

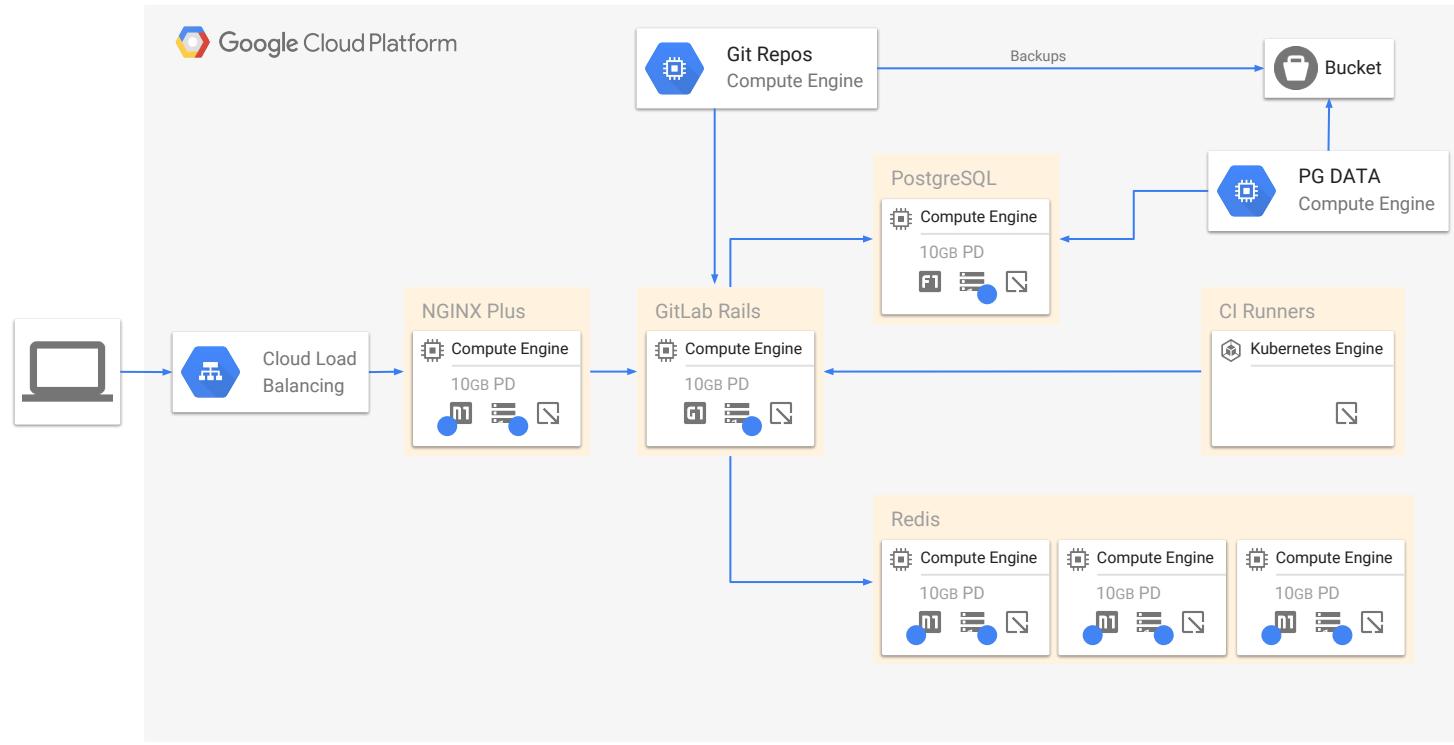


Architecture: General > Firebase



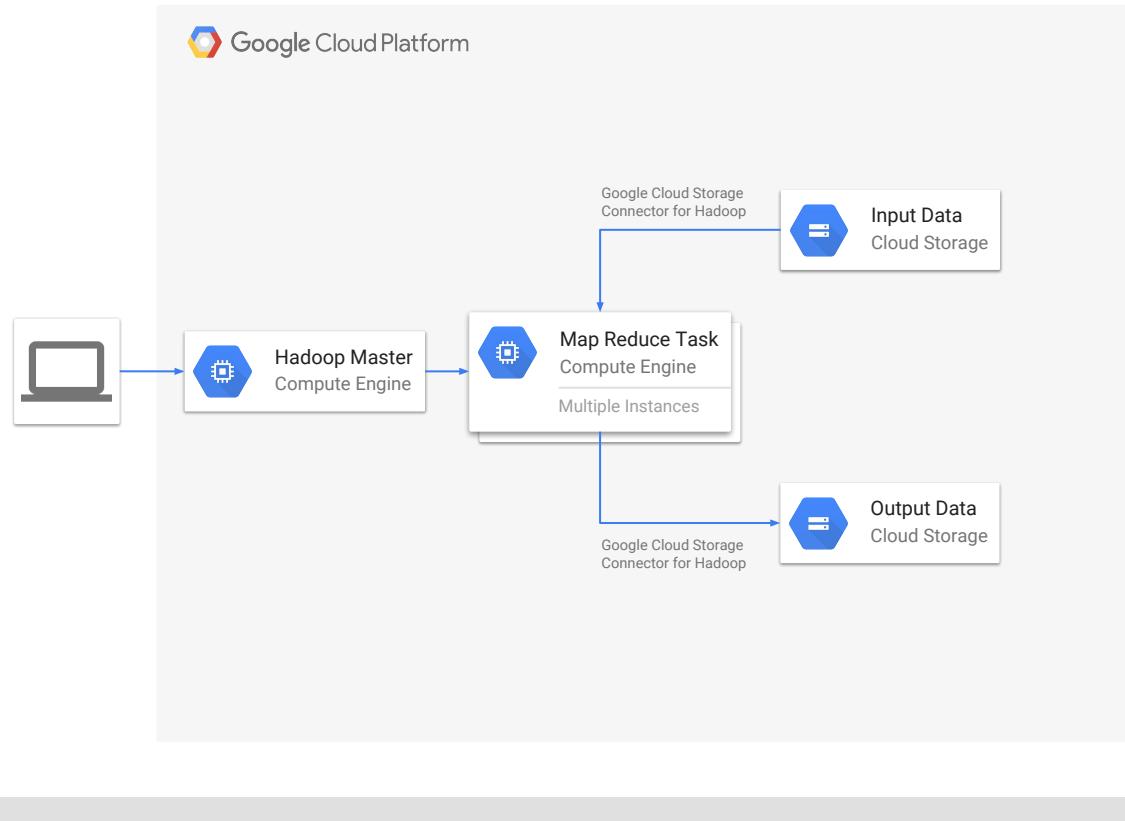
General > GitLabCloneGKE

Architecture: General > GitLabCloneGKE



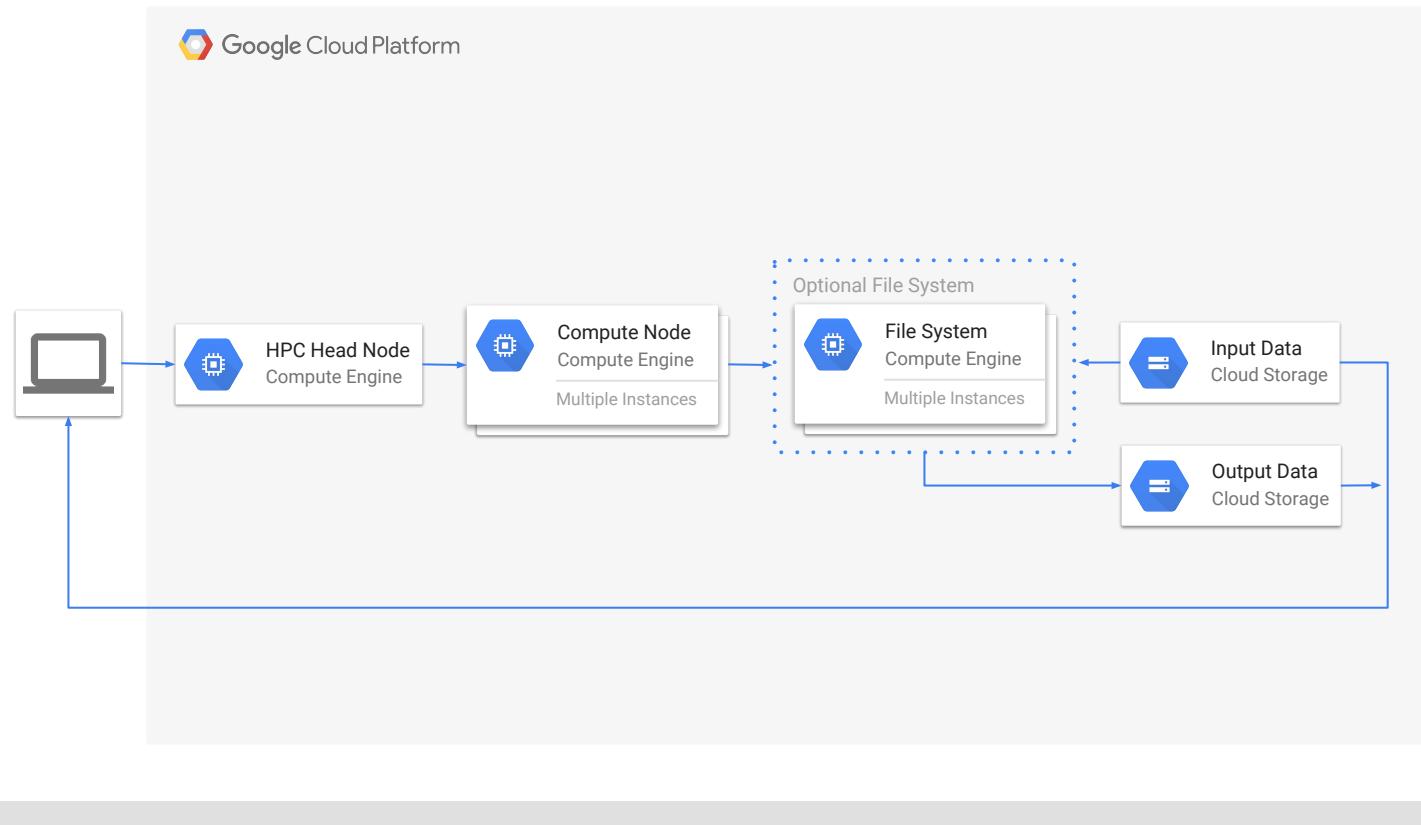
General > Hadoop on Google Cloud Platform

Architecture: General > Hadoop on Google Cloud Platform



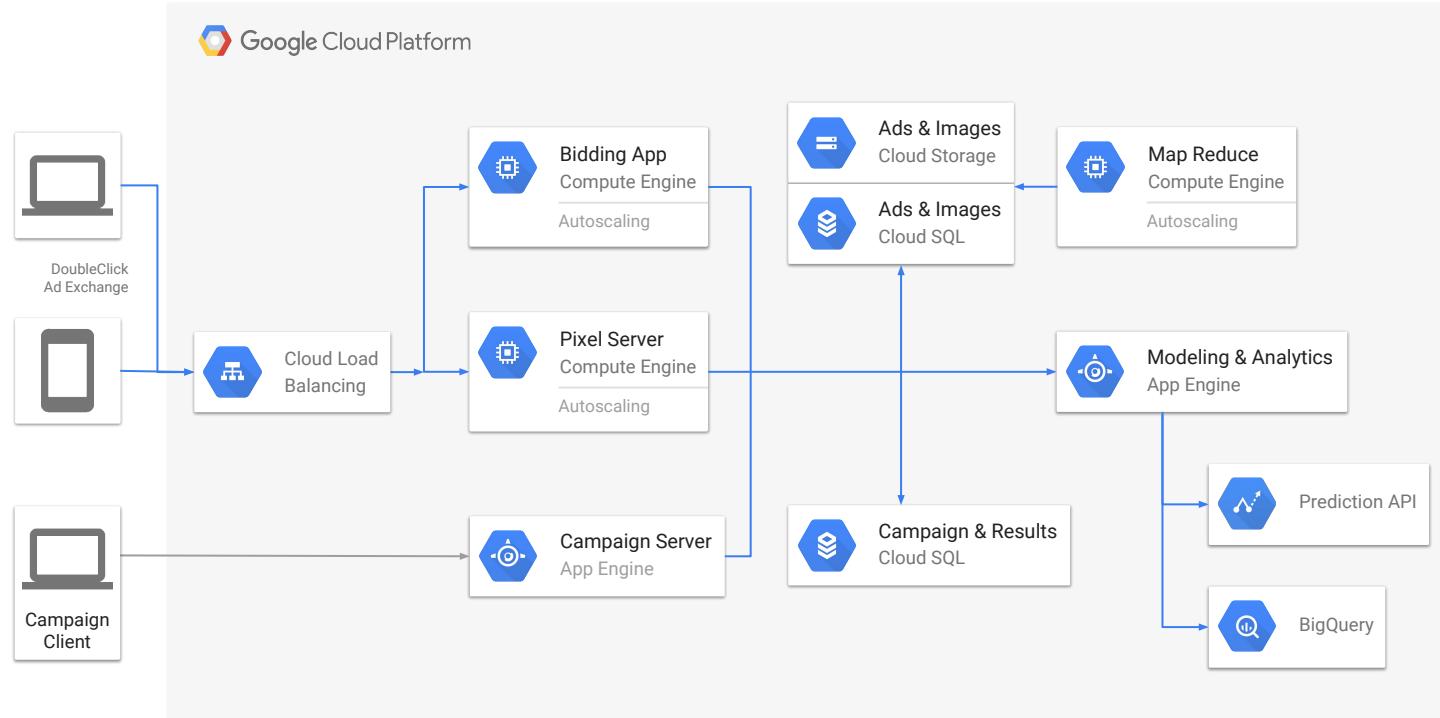
General > High Performance Computing

Architecture: General > High Performance Computing



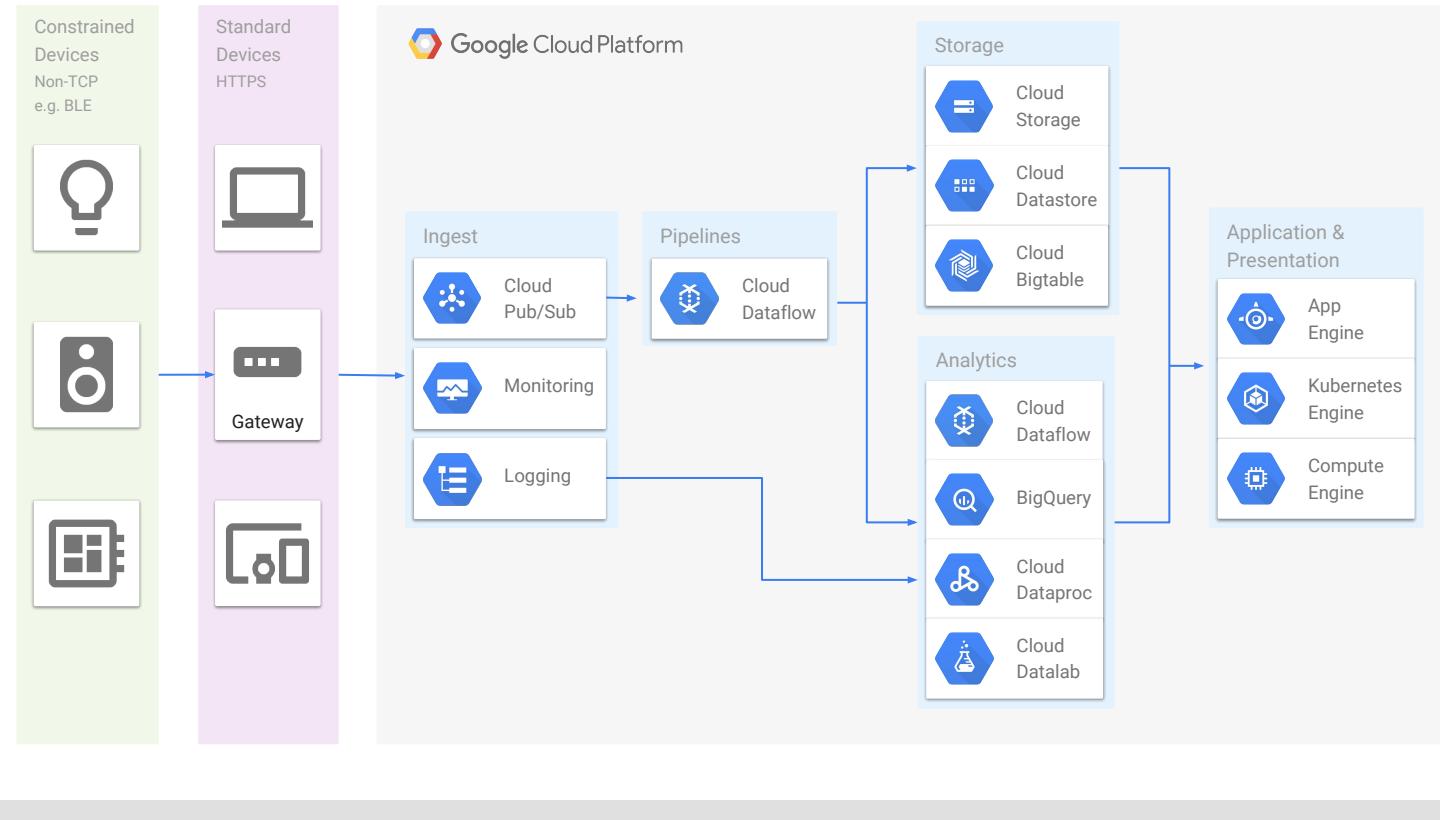
General > Real Time Bidding

Architecture: General > Real Time Bidding



General > Real Time Stream Processing IoT

Architecture: General > Real Time Stream Processing - Internet of Things



General > Web Application on Google App Engine

Architecture: General > Web Application on Google App Engine

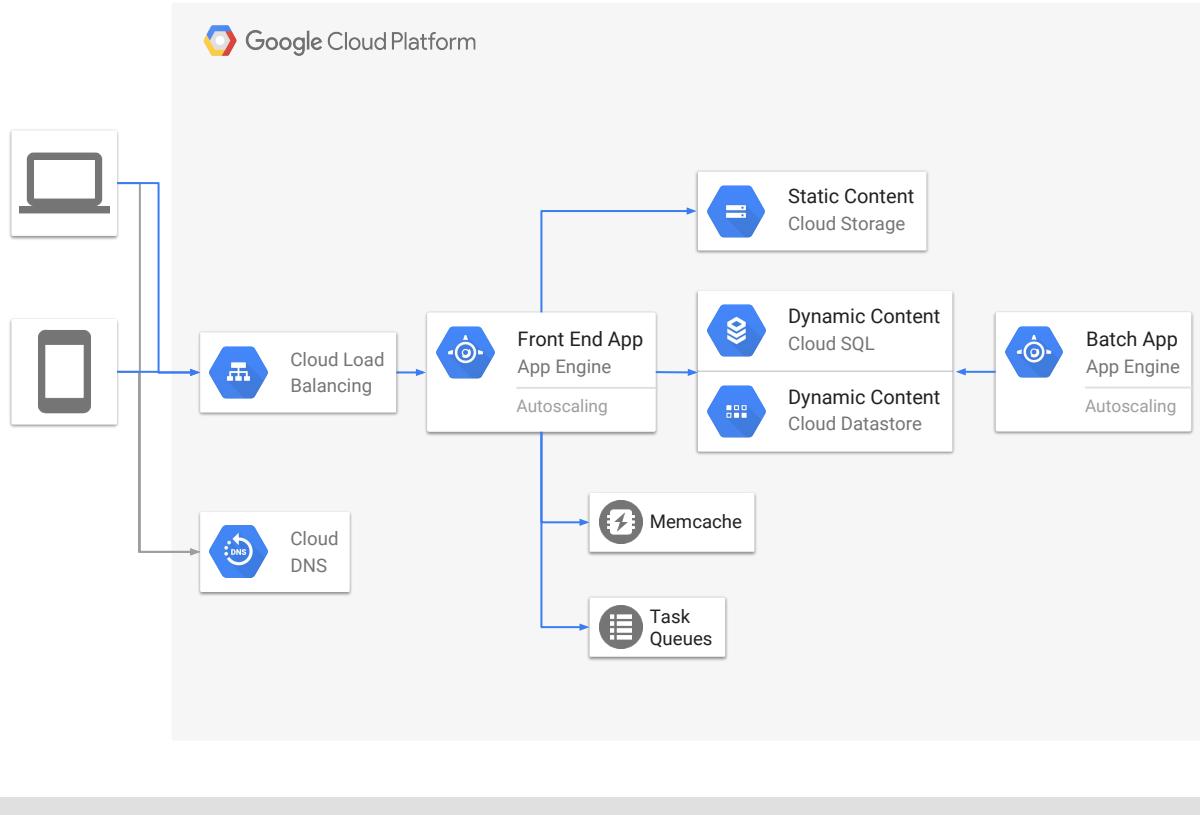
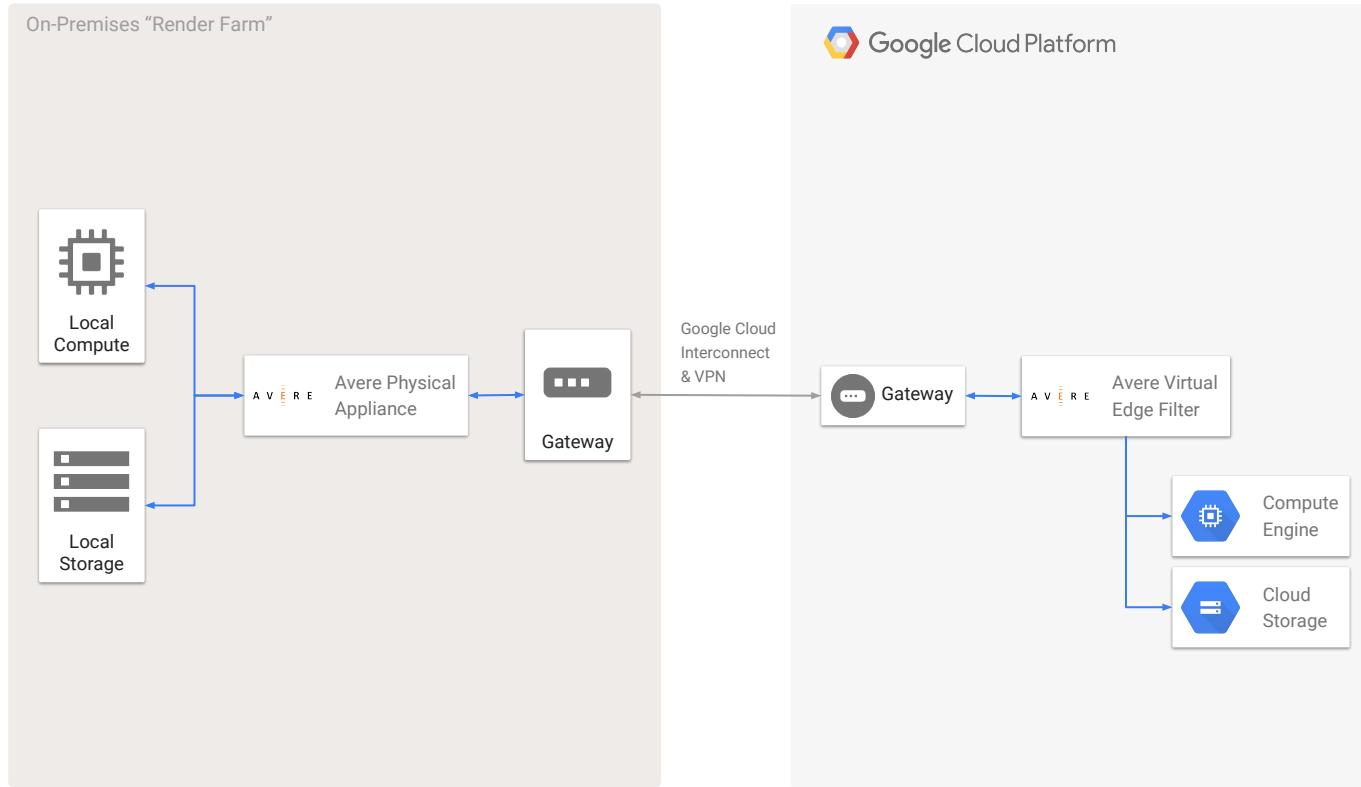


Diagram Examples: Specific

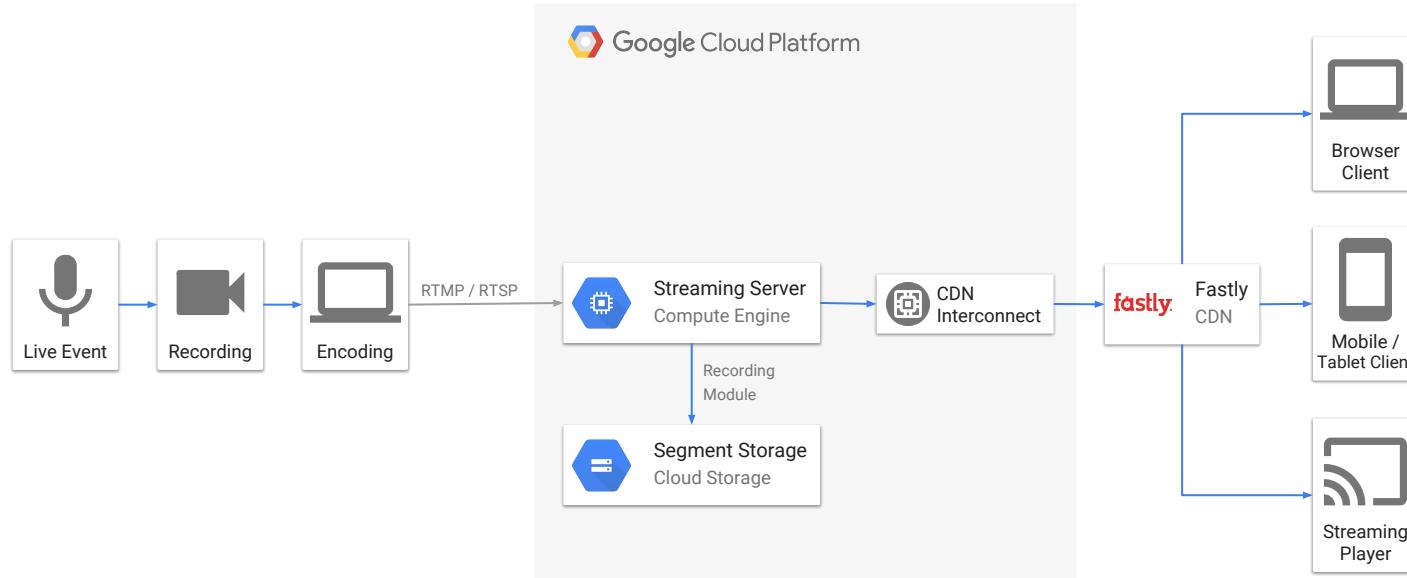
Media > Hybrid Rendering

Architecture: Media > Hybrid Rendering



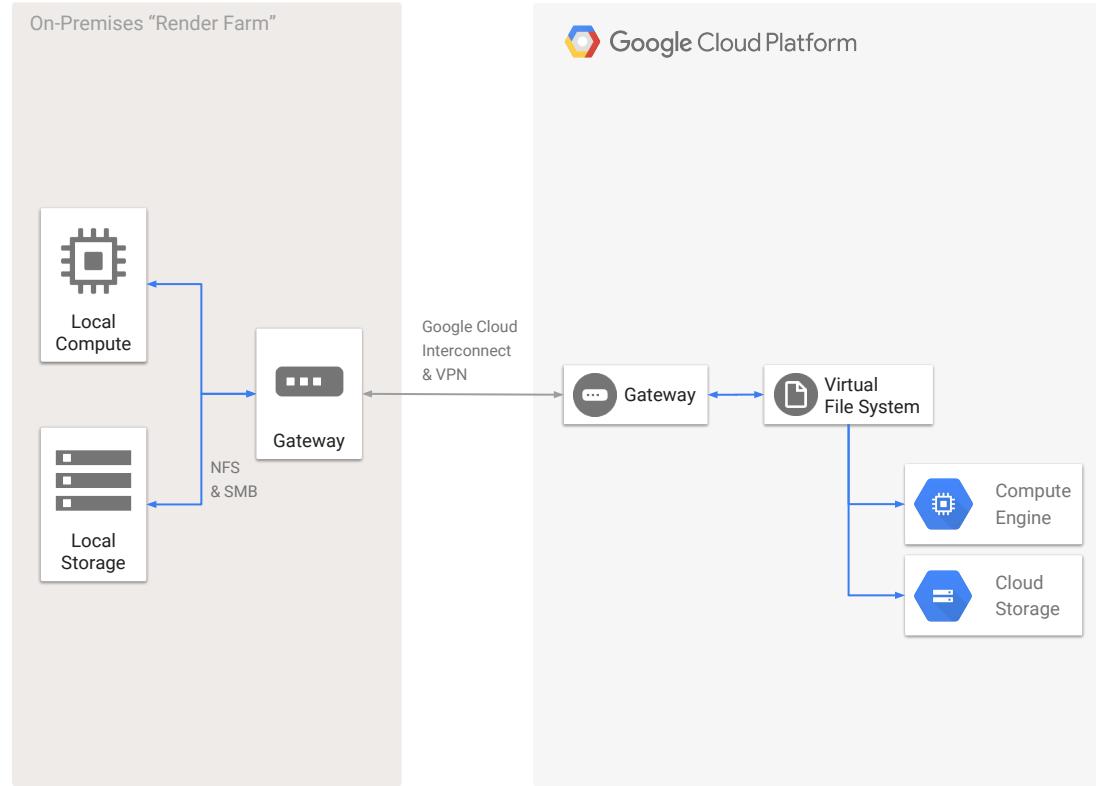
Media > Live Streaming

Architecture: Media > Live Streaming



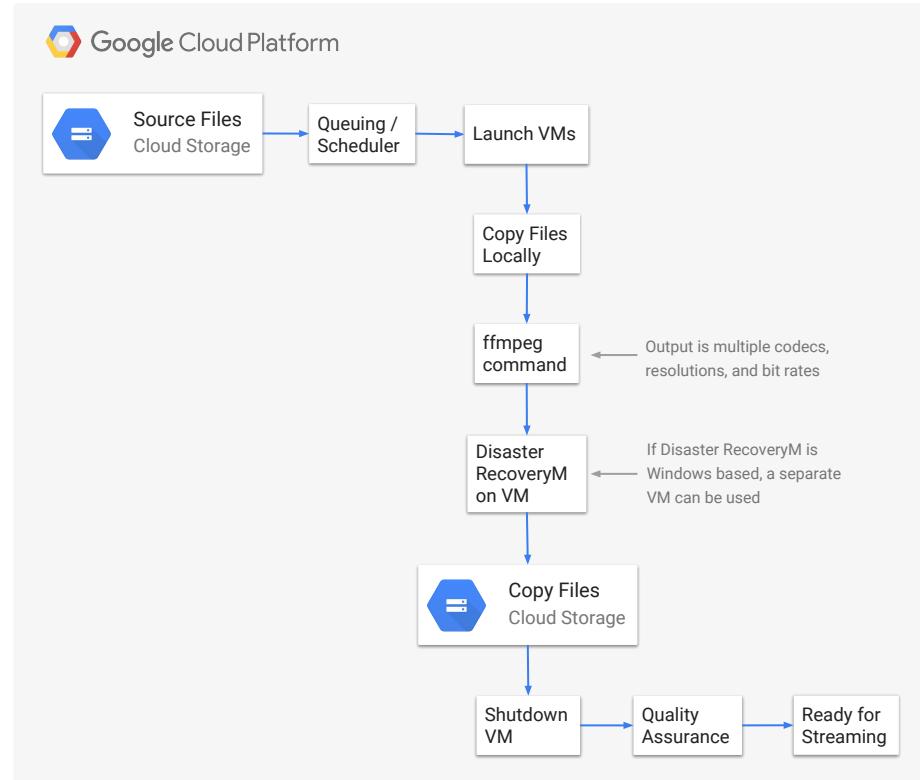
Media > Rendering

Architecture: Media > Rendering



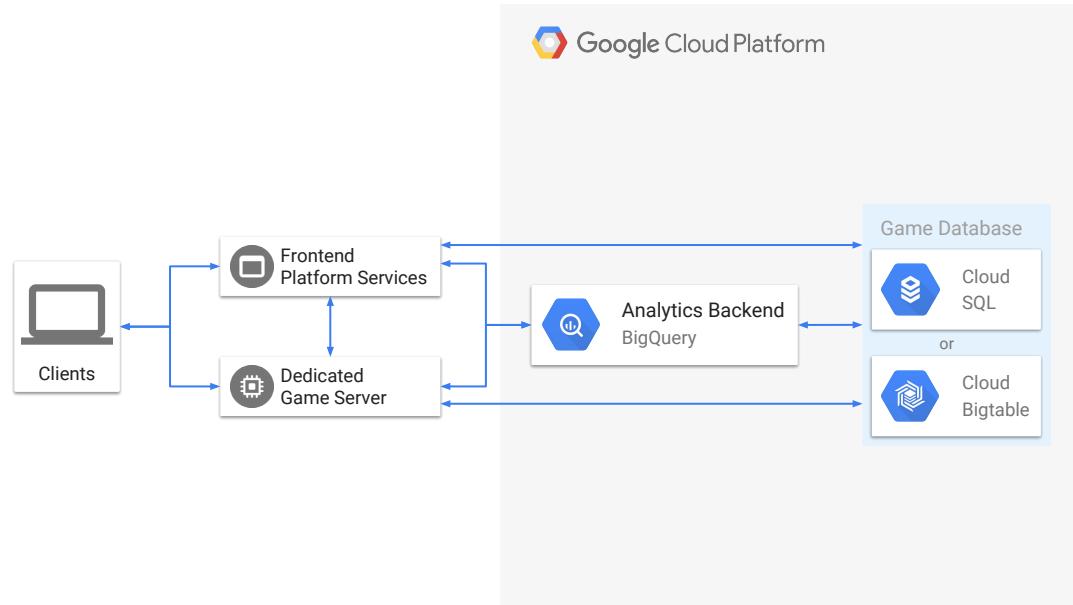
Media > Transcoding

Architecture: Media > Transcoding



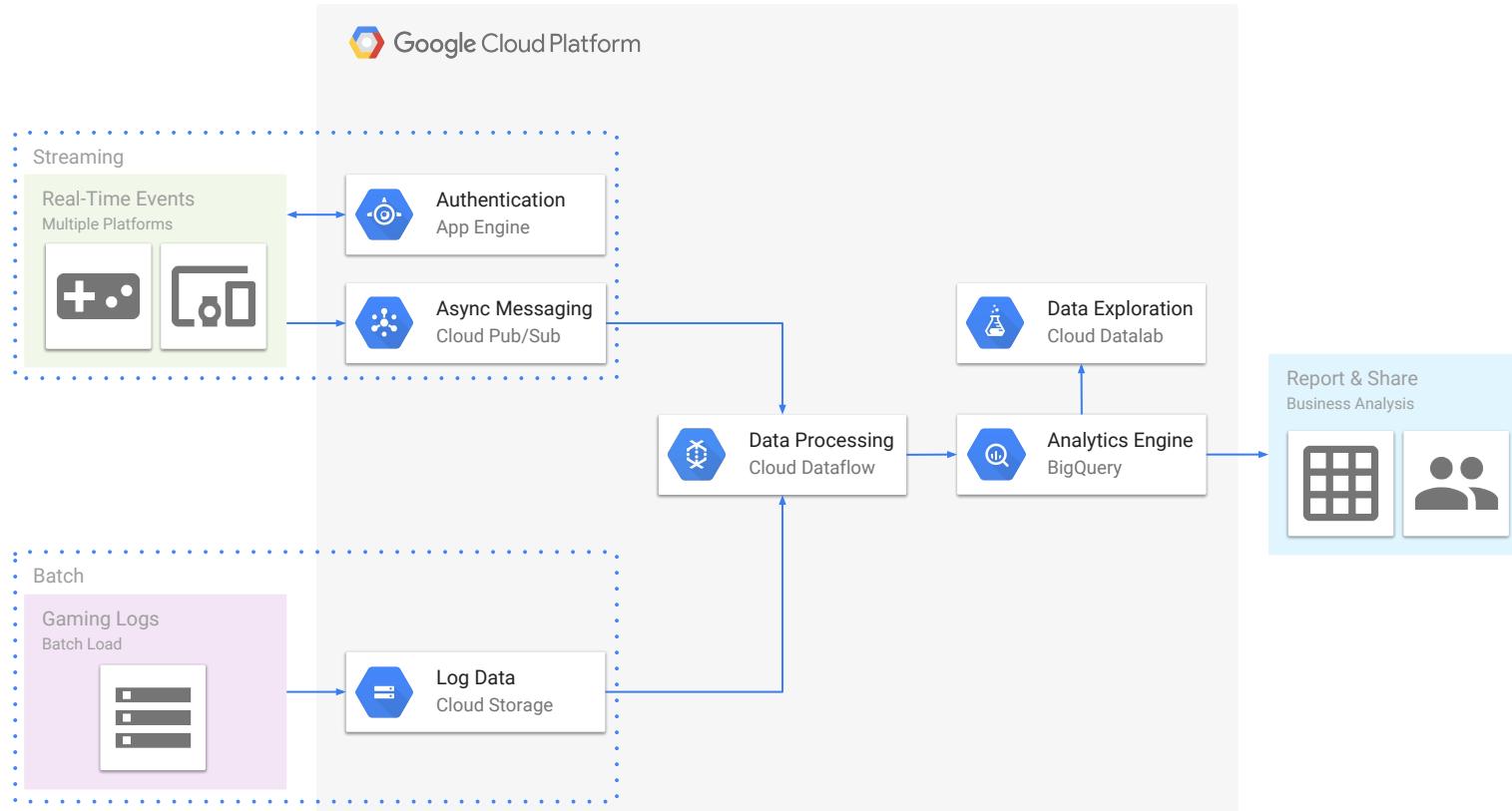
Gaming > Backend Database

Architecture: Gaming > Backend Database



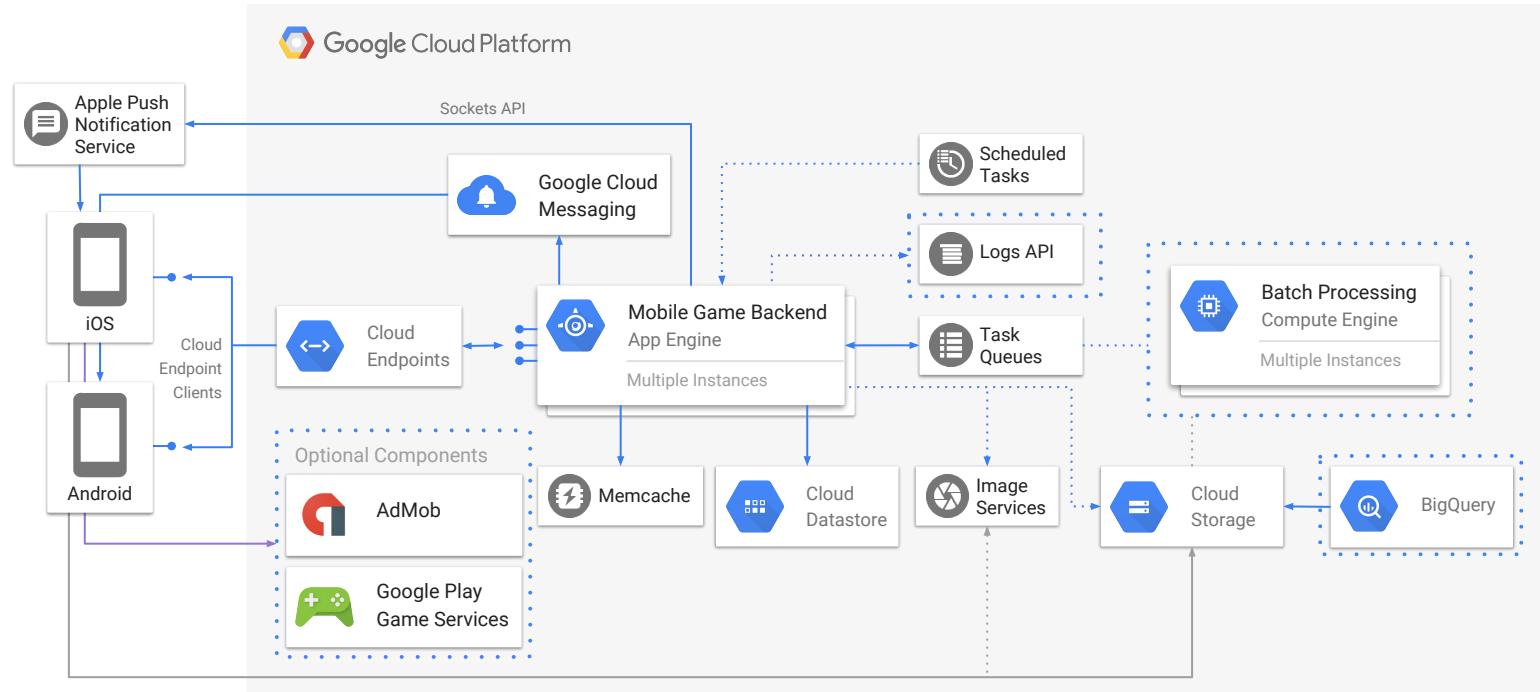
Gaming > Gaming Analytics

Architecture: Gaming > Gaming Analytics



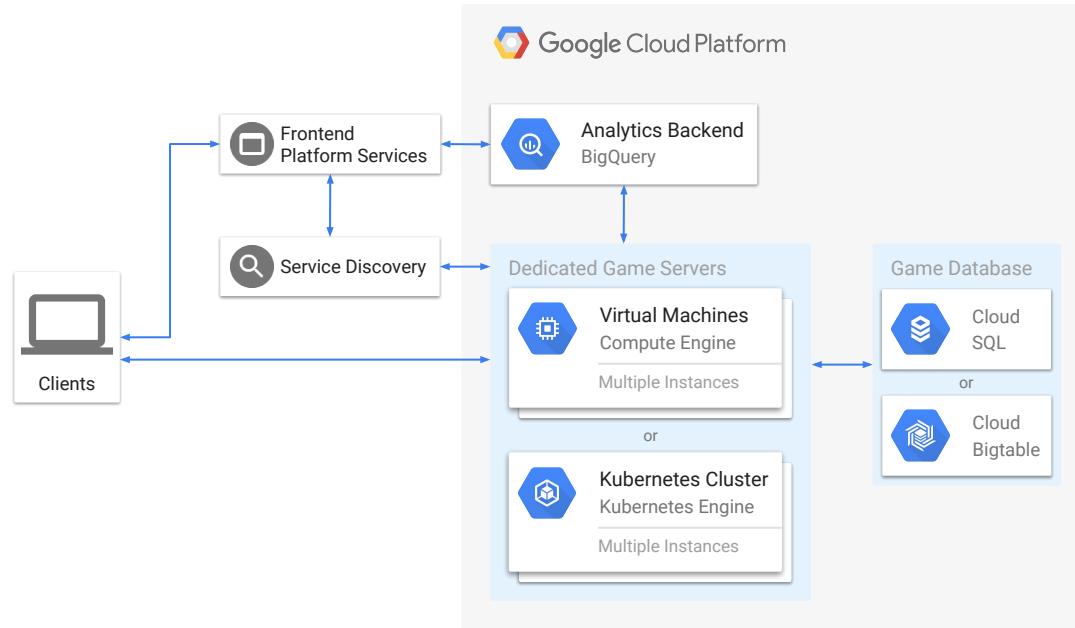
Gaming > Mobile Game Backend

Architecture: Gaming > Mobile Game Backend



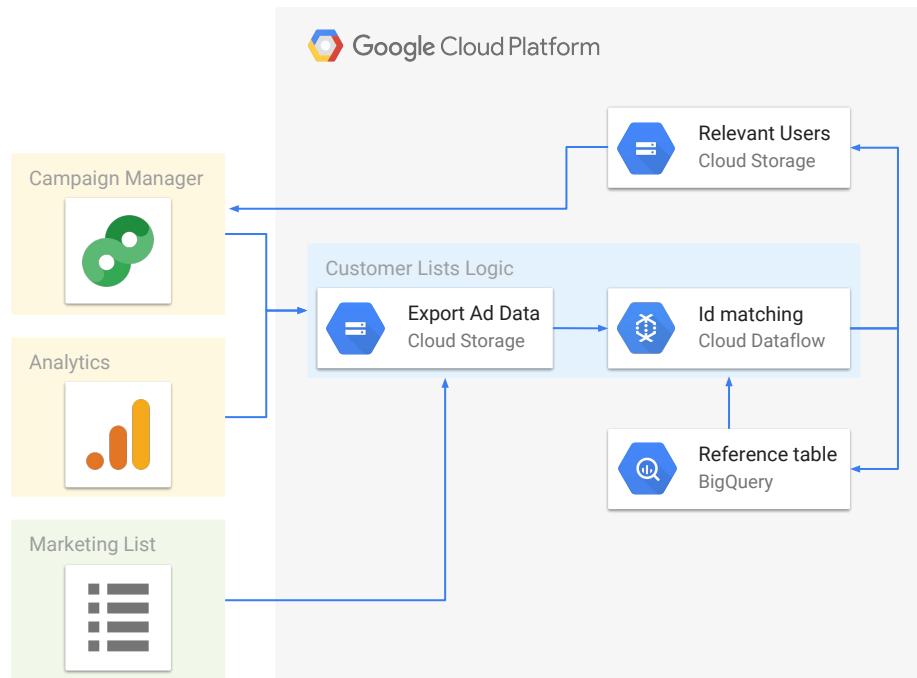
Gaming > Real-Time AAA Games Servers

Architecture: Gaming > Real-Time AAA Games Servers

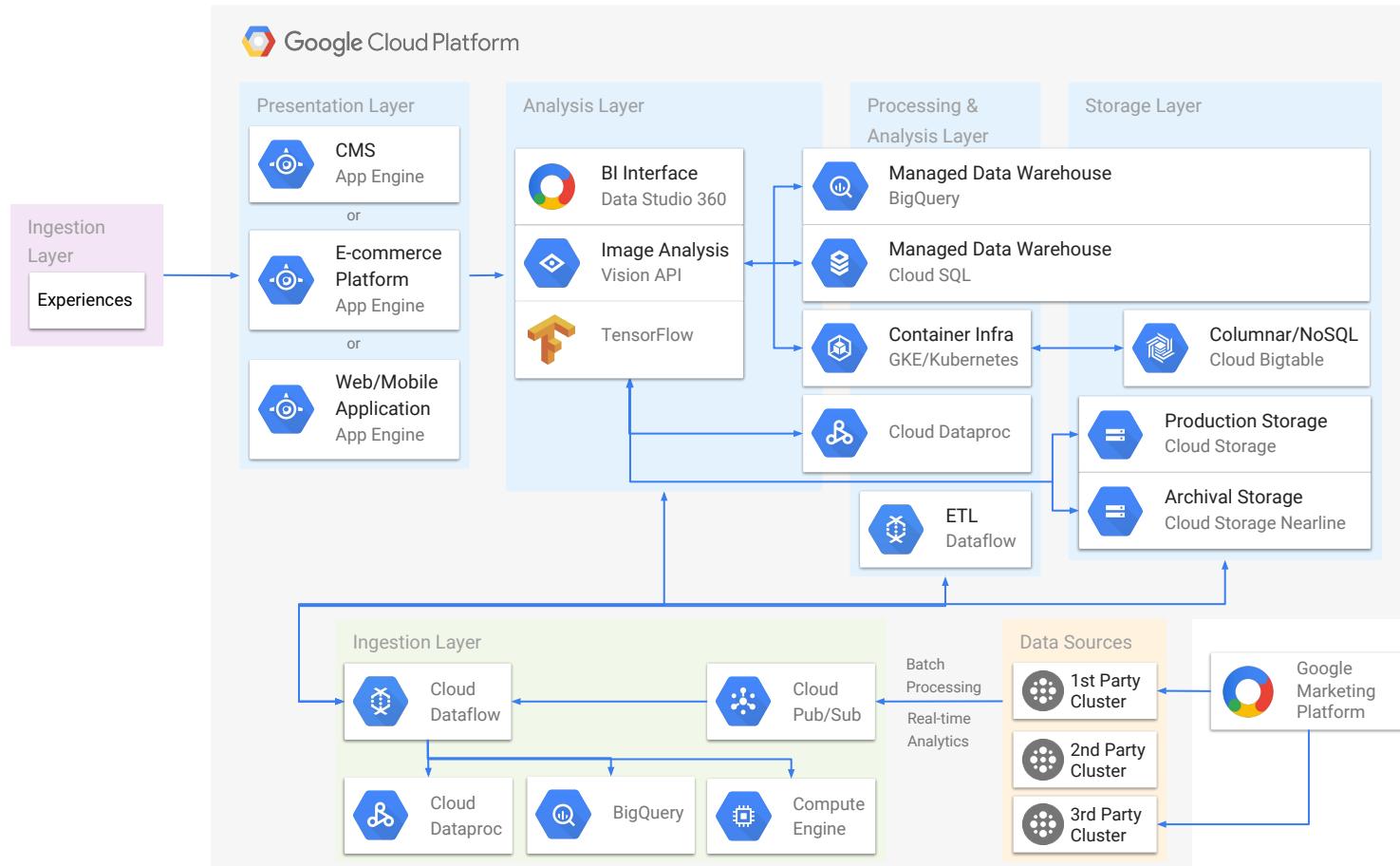


Digital Marketing > DMP / Data Warehouse

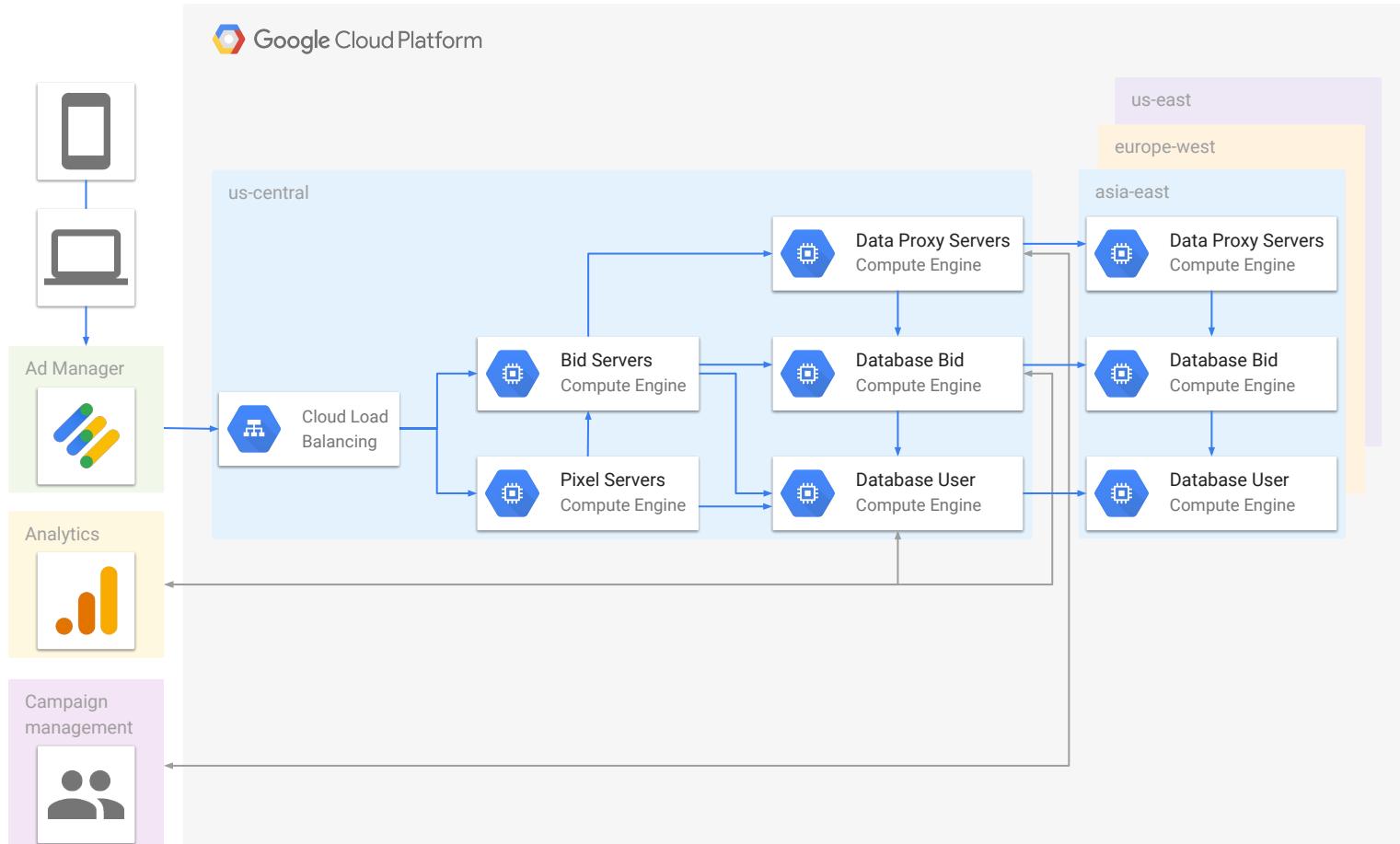
Architecture: Digital Marketing > DMP / Data Warehouse



Digital Marketing > Publisher side analysis



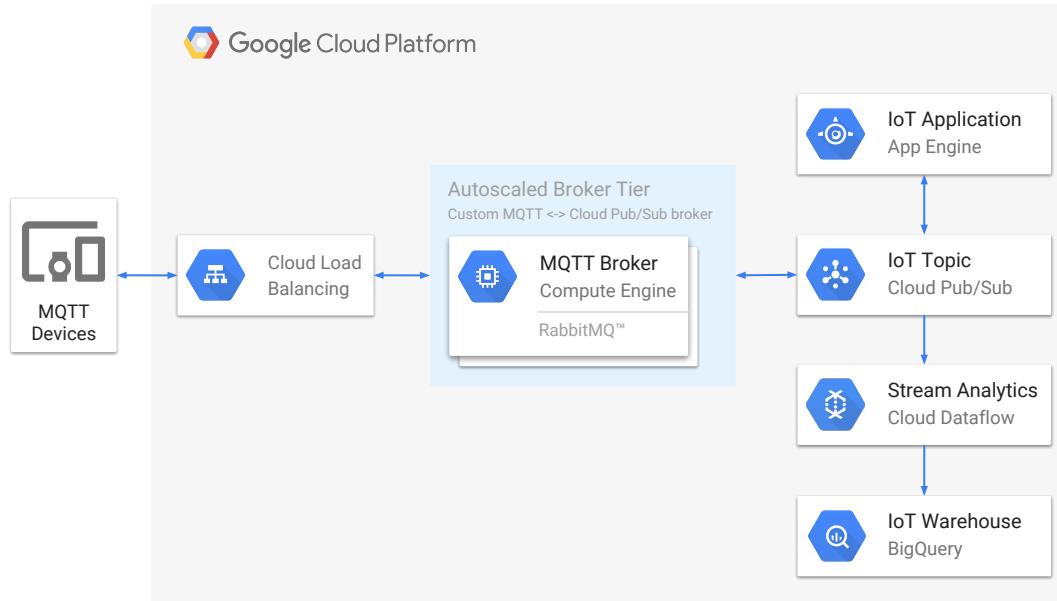
Digital Marketing > Real-Time Bidding



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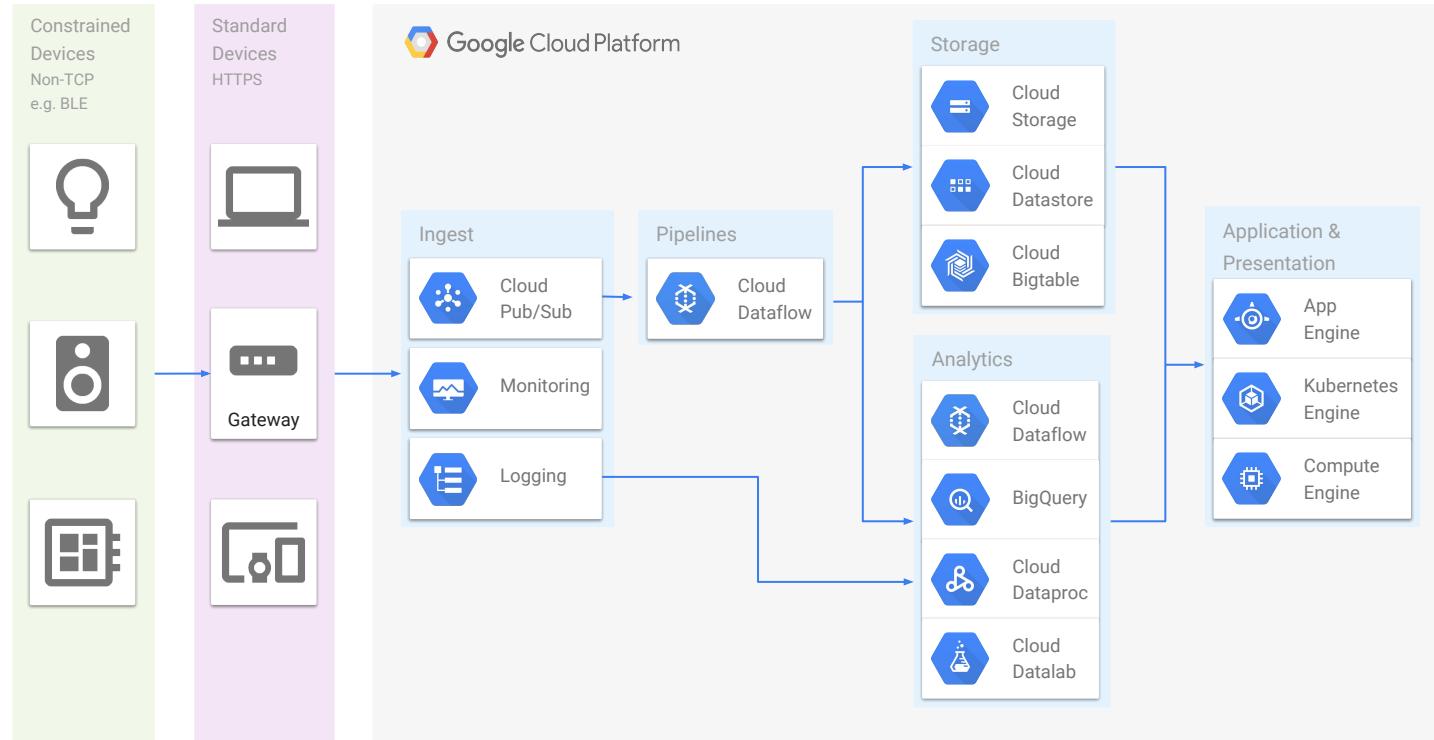
Internet of Things > MQTT to PubSub Broker

Architecture: Internet of Things > MQTT to PubSub Broker



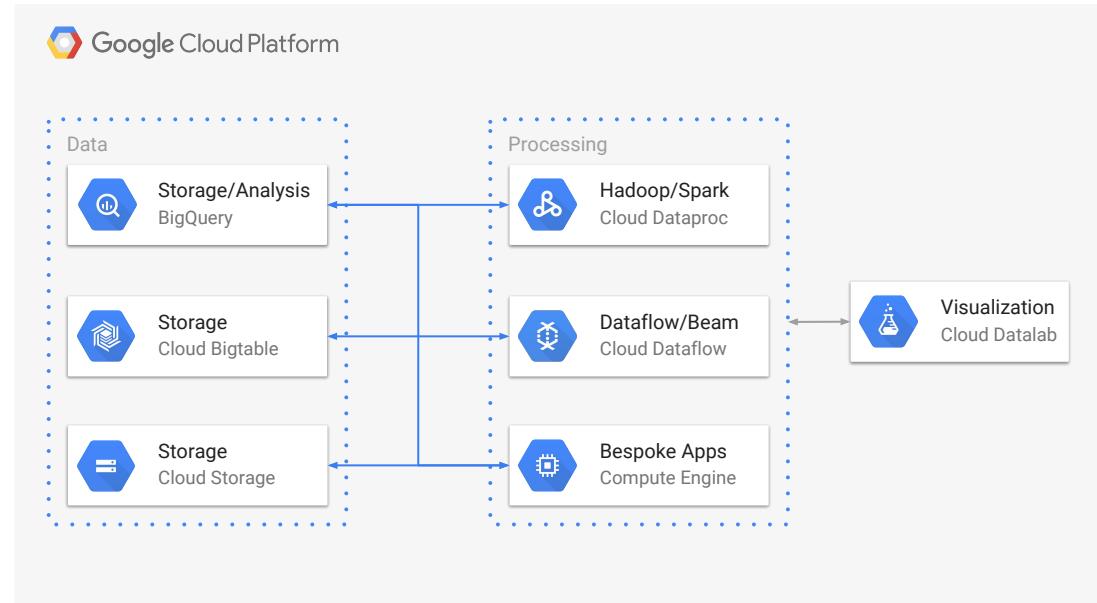
Internet of Things > Sensor stream ingest and processing

Architecture: Internet of Things > Sensor stream ingest and processing



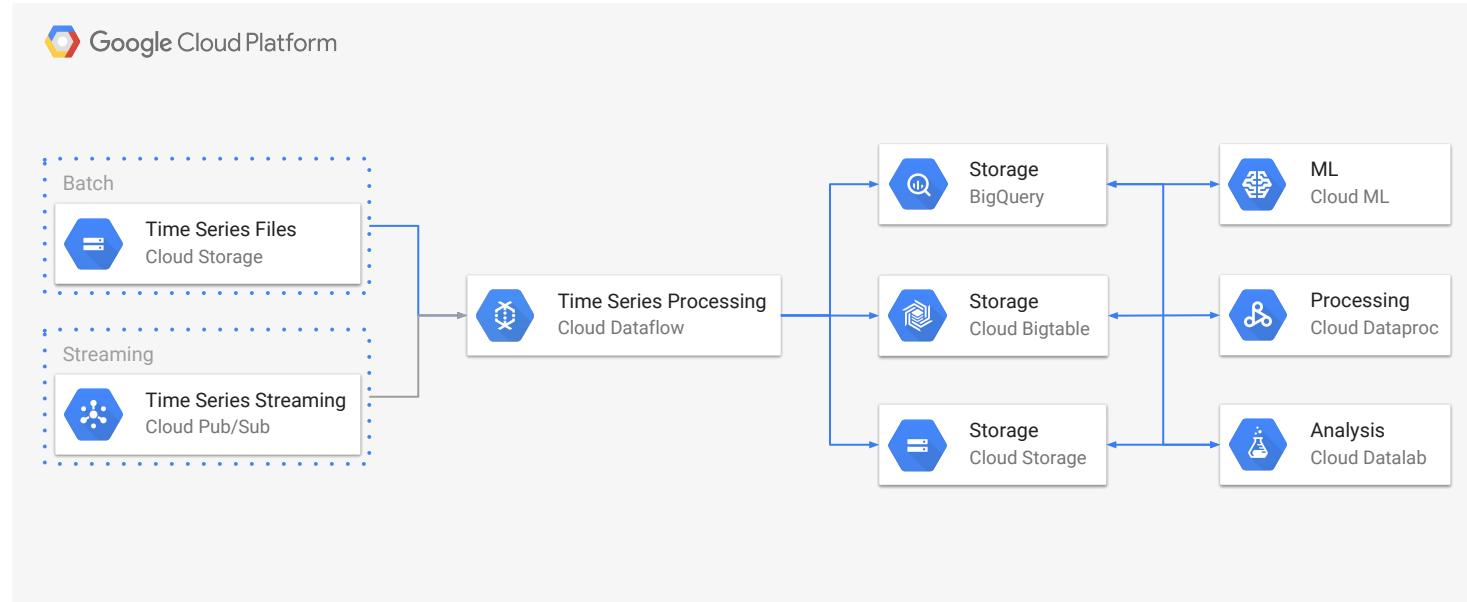
Financial Services > Monte Carlo Simulations

Architecture: Financial Services > Monte Carlo Simulations

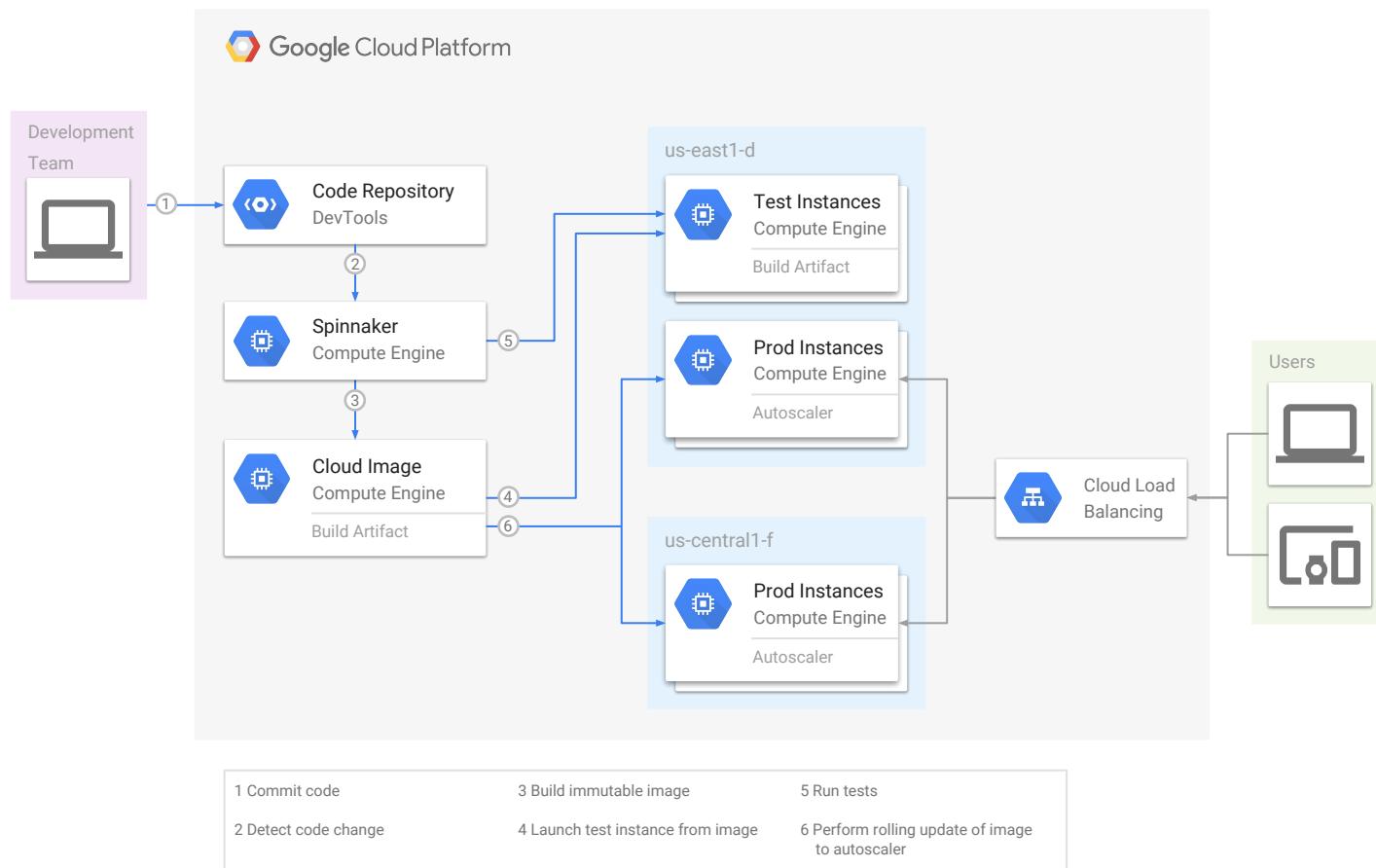


Financial Services > Time Series Analysis

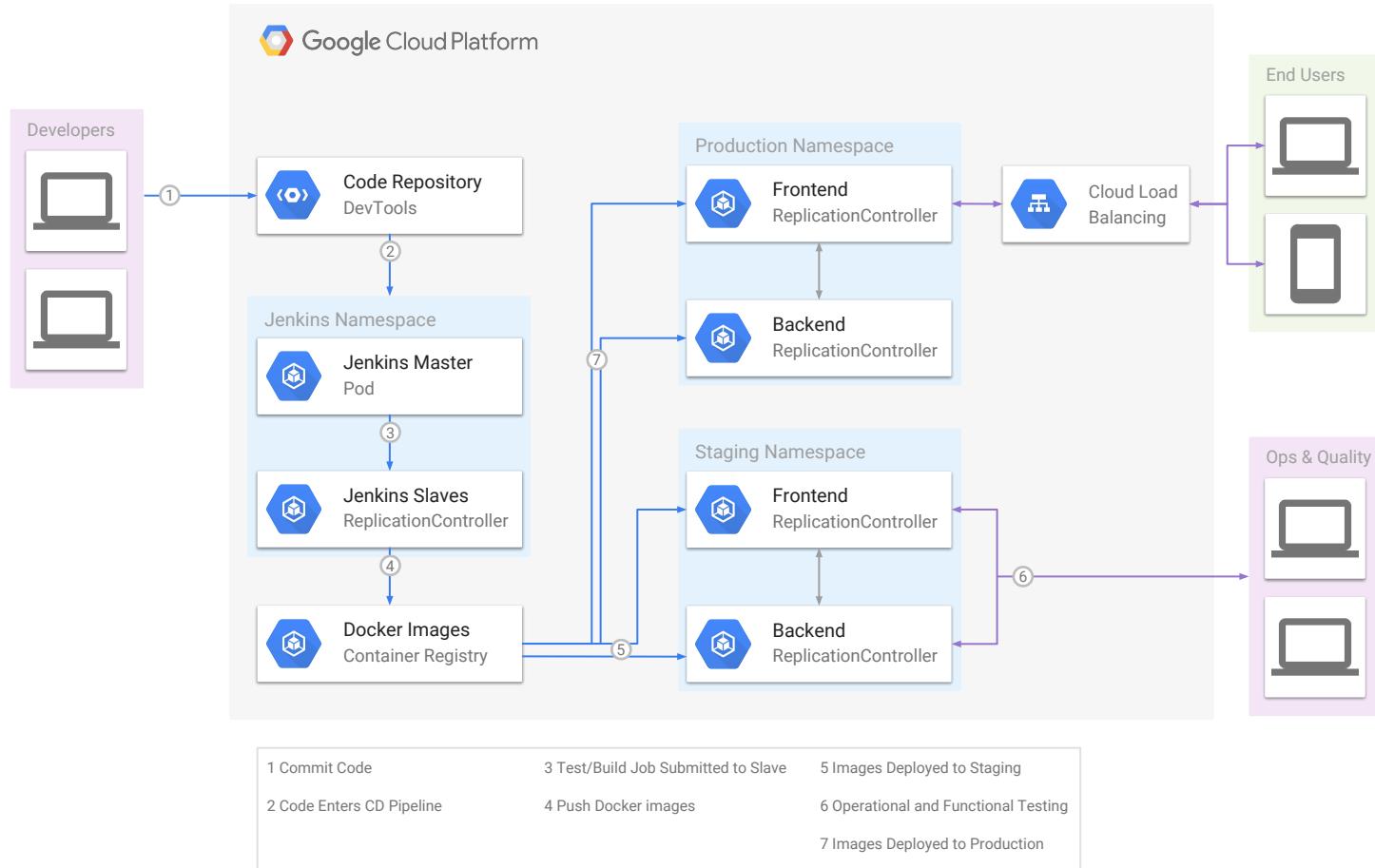
Architecture: Financial Services > Time Series Analysis



Dev Test > Continuous Delivery with Spinnaker

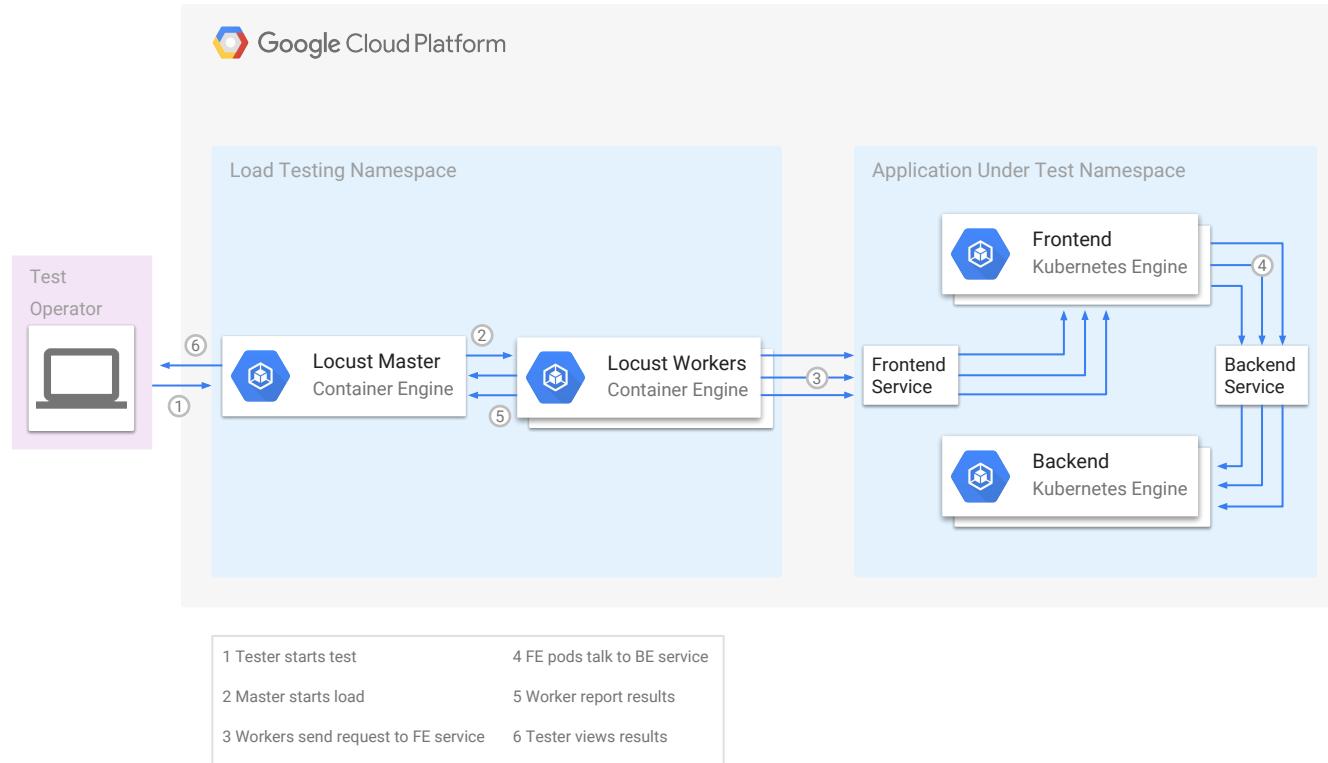


Dev Test > Jenkins on k8s



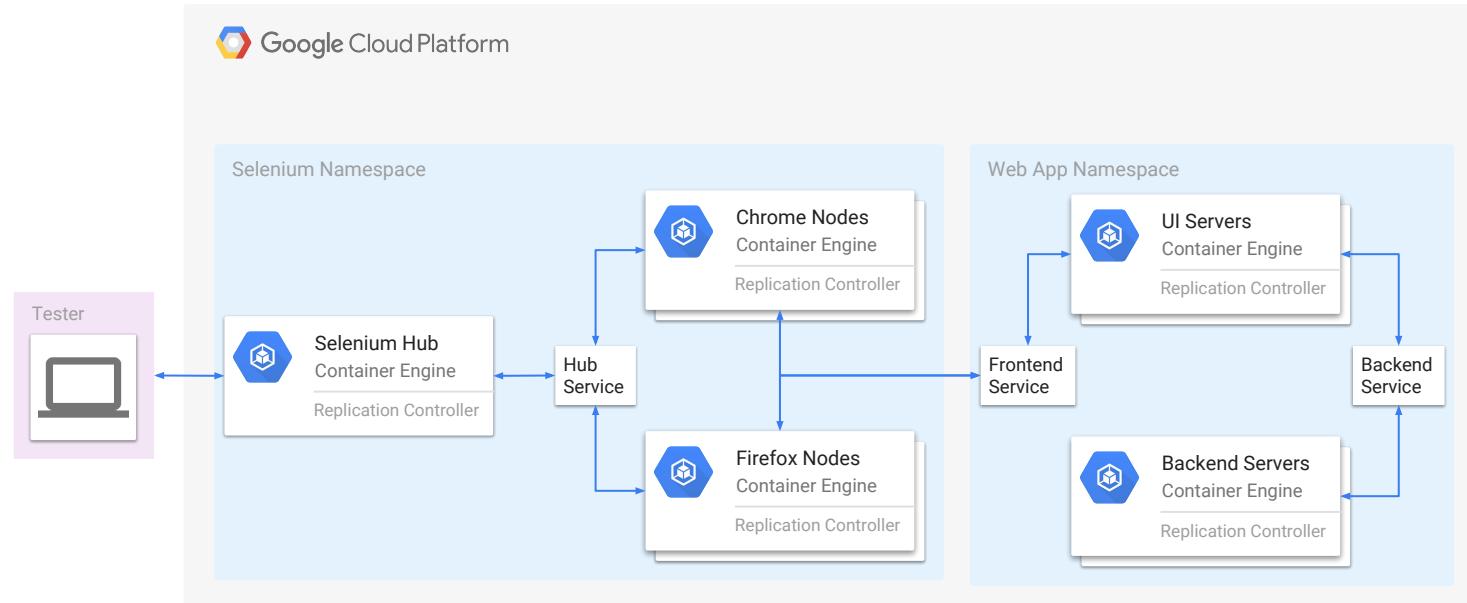
Dev Test > Scale Testing with Kubernetes+Locust

Architecture: Dev Test > Scale Testing with Kubernetes+Locust



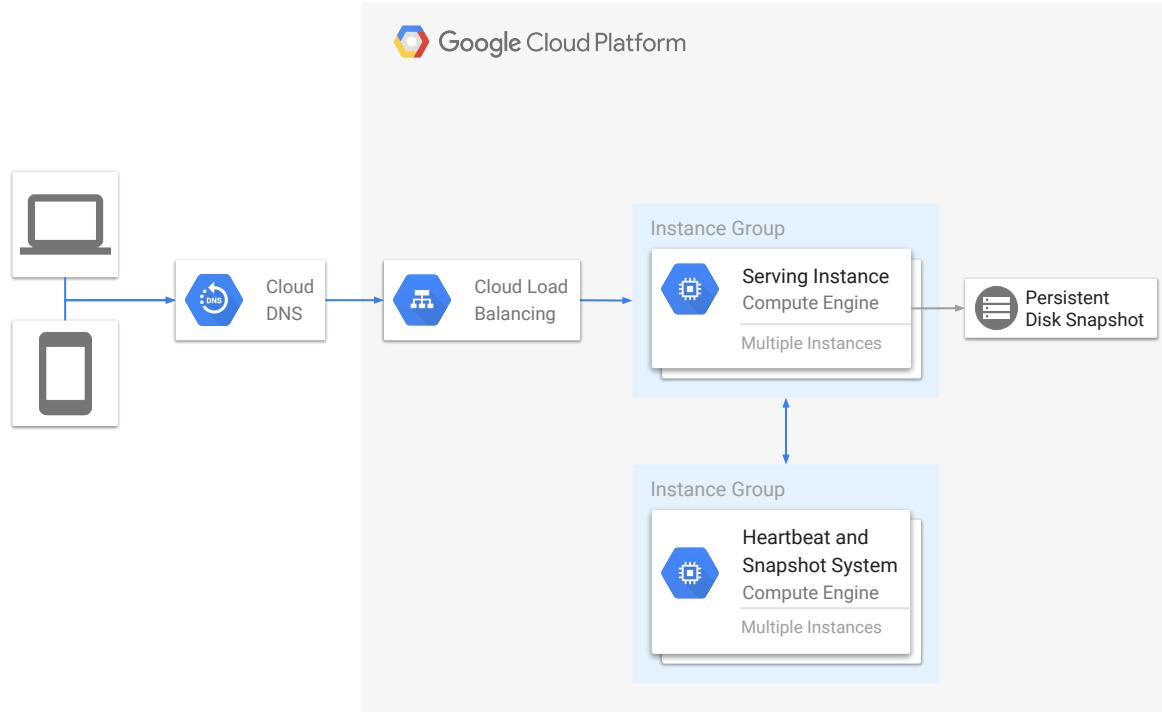
Dev Test > UI Testing with Kubernetes

Architecture: Dev Test > UI Testing with Kubernetes



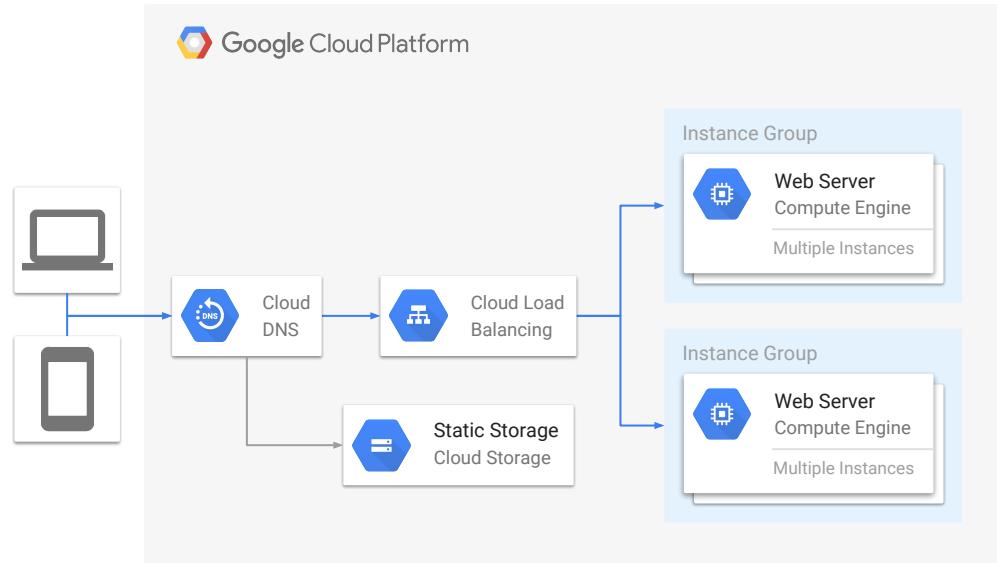
Backup and Archive > Disaster Recovery cold standby server

Architecture: Backup and Archive > Disaster Recovery Cold standby server



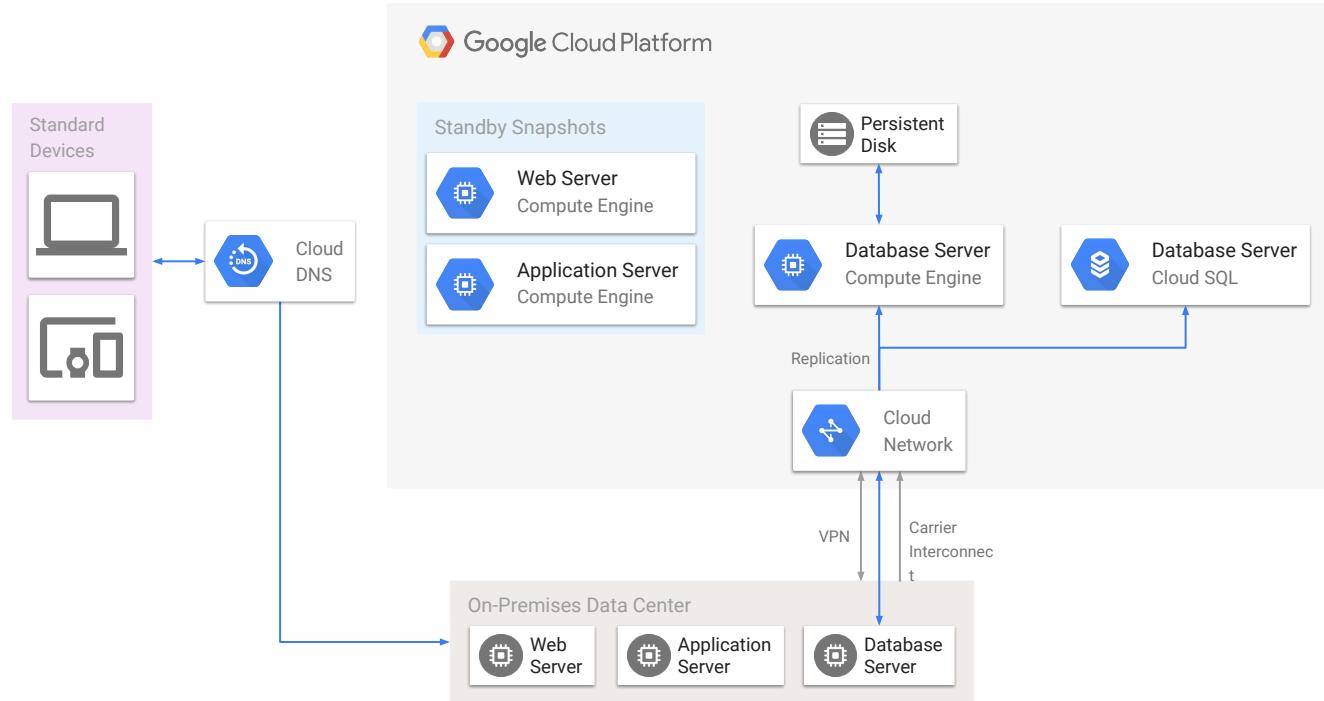
Backup and Archive > Disaster Recovery Warm static site

Architecture: Backup and Archive > Disaster Recovery Warm static site



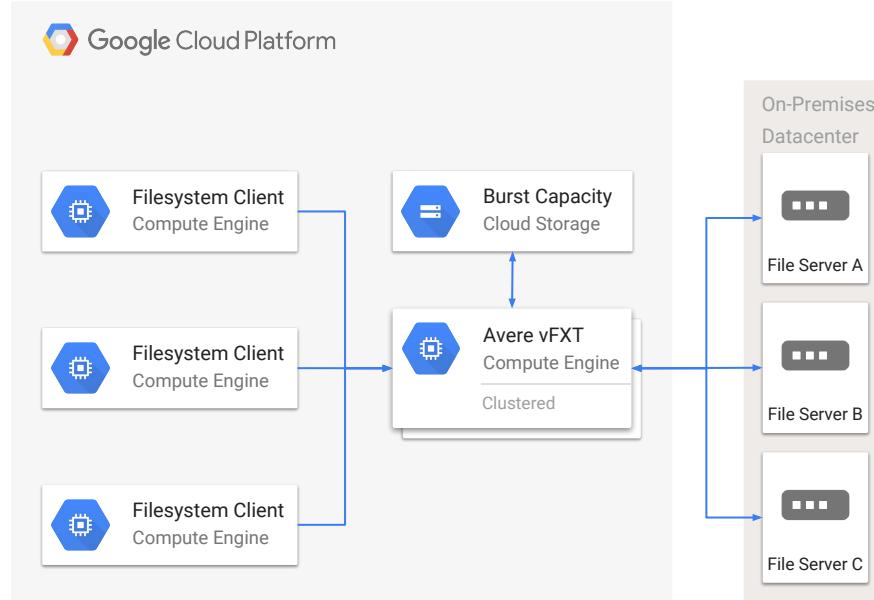
Backup and Archive > Disaster Recovery with Application Replication

Architecture: Backup and Archive > Disaster Recovery with Application Replication



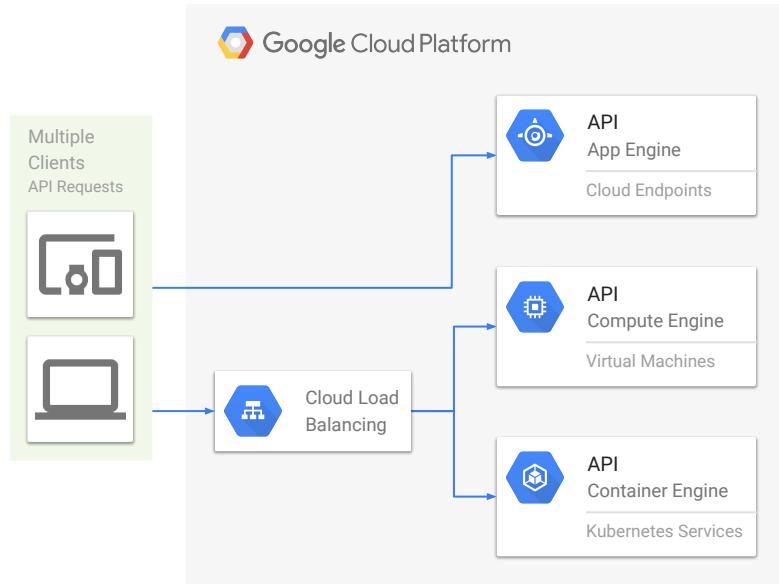
Backup and Archive > Hosting Filers

Architecture: Backup and Archive > Hosting Filers

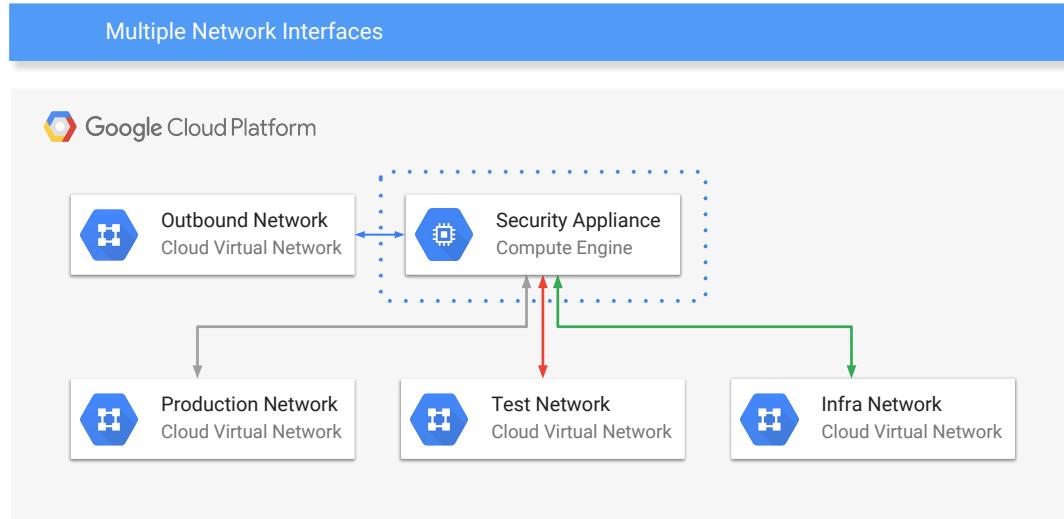


Websites > API Hosting

Architecture: Websites > API Hosting

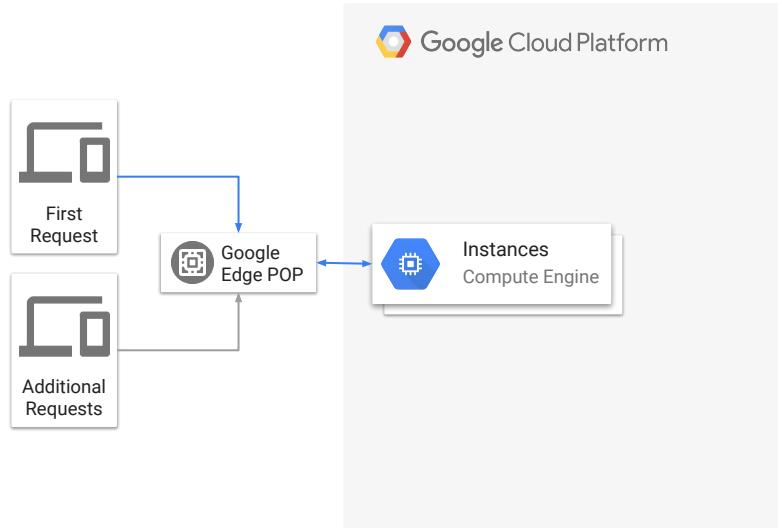


Websites > Multiple Network Interfaces



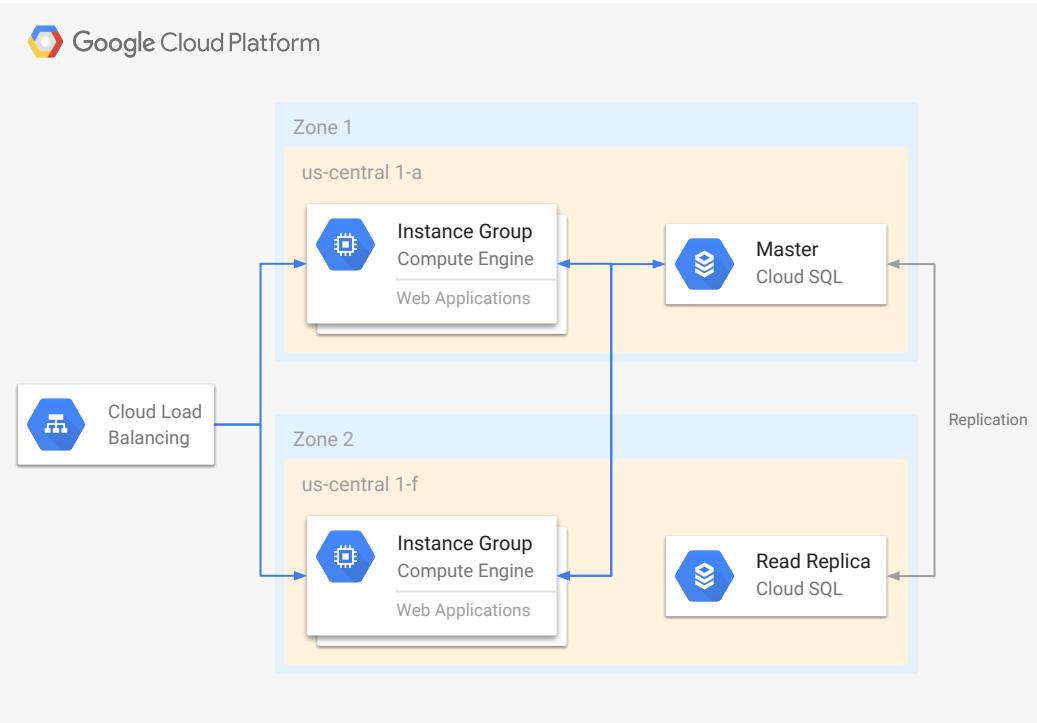
Websites > Content Hosting

Architecture: Websites > Content Hosting



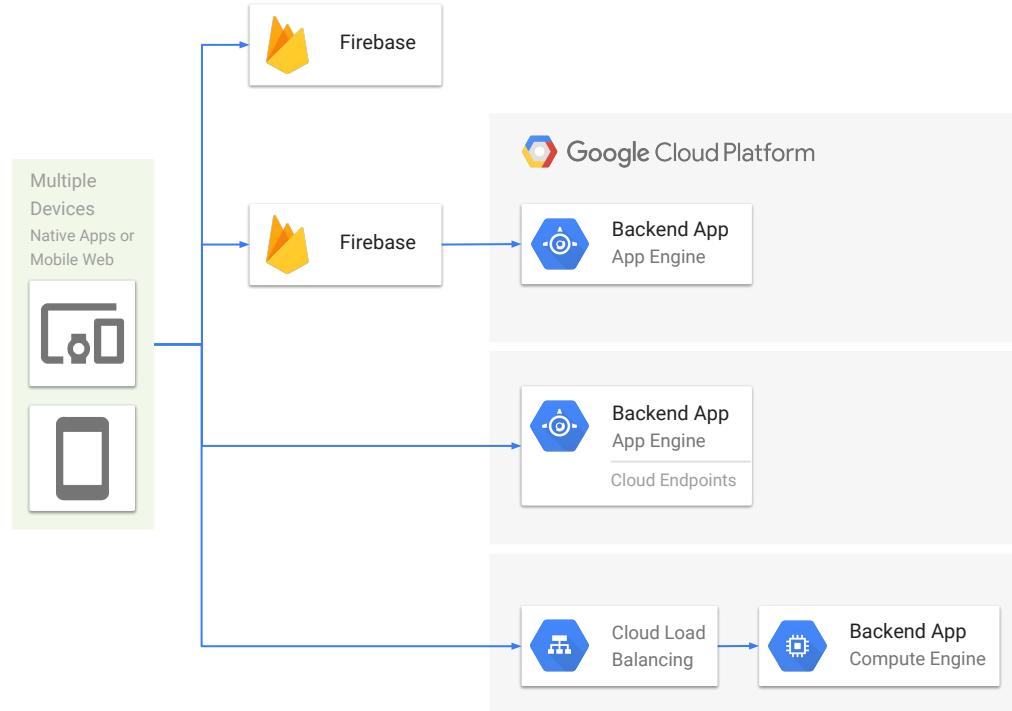
Websites > Dynamic Hosting

Architecture: Websites > Dynamic Hosting



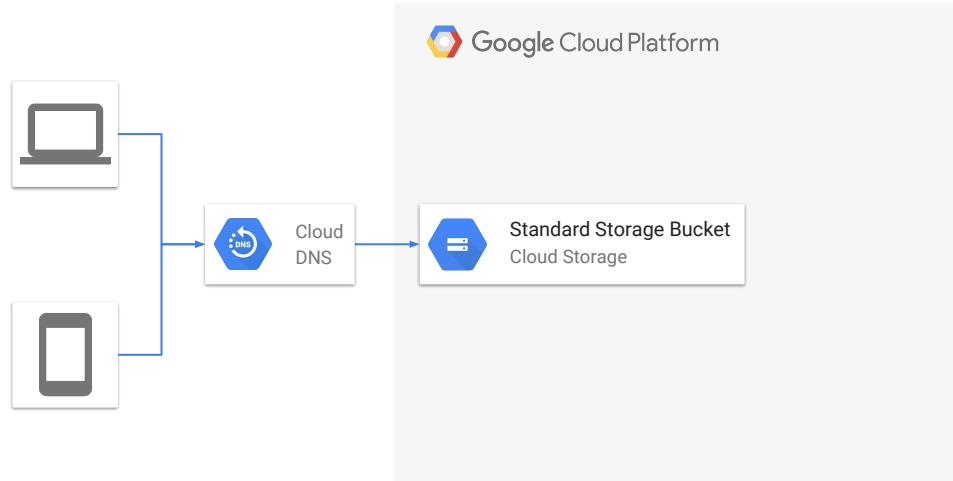
Websites > Mobile Site Hosting

Architecture: Websites > Mobile Site Hosting



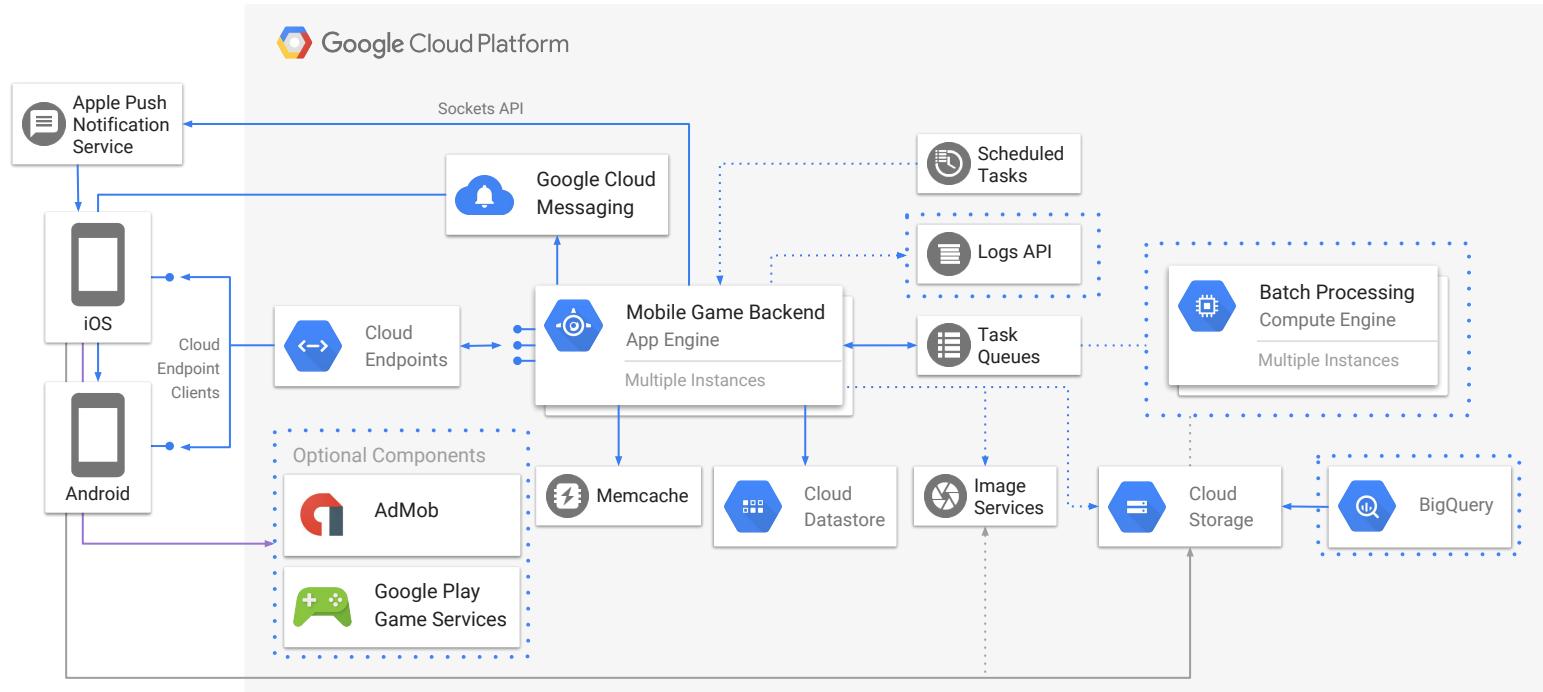
Websites > Static Hosting

Architecture: Websites > Static Hosting



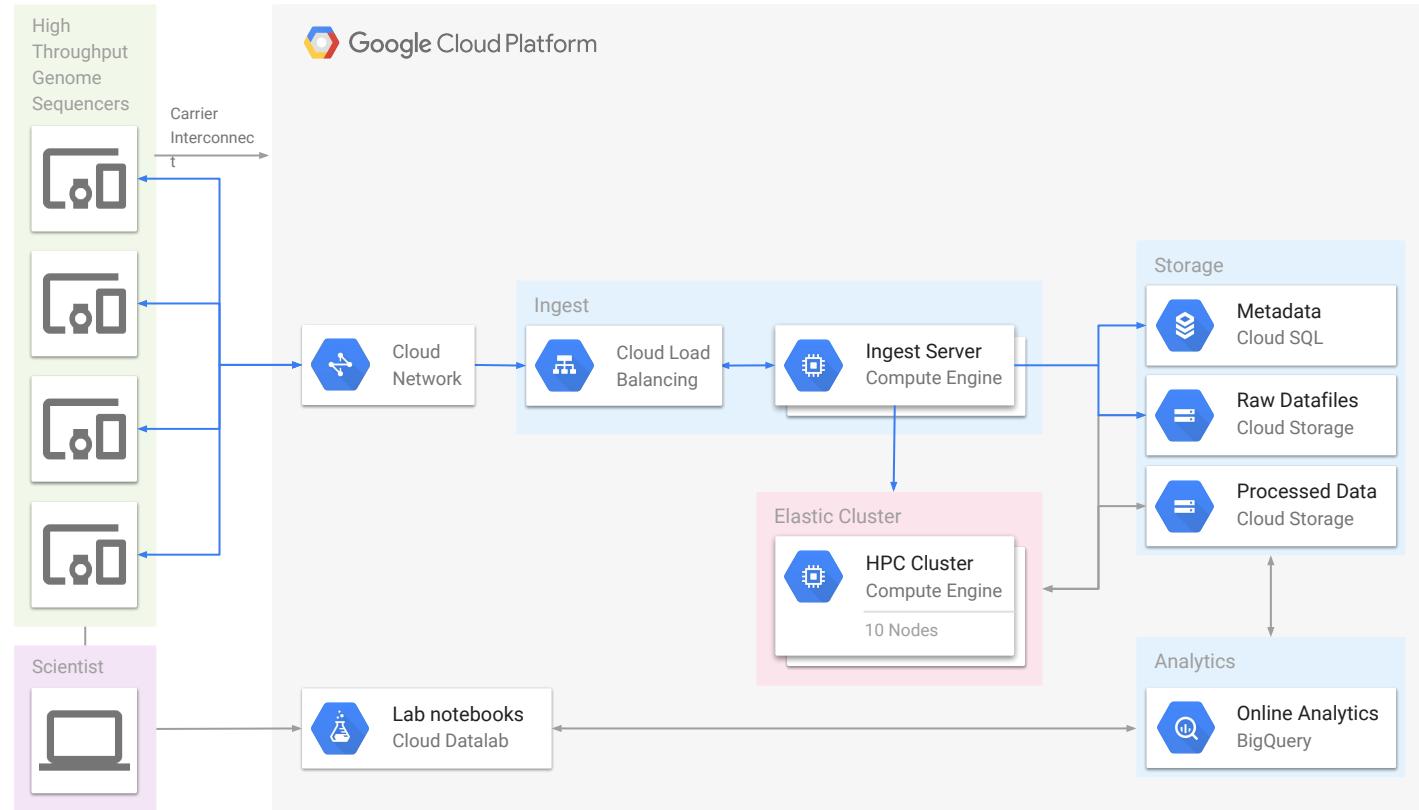
Mobile > Mobile Game Backend

Architecture: Mobile > Mobile Game Backend



LifeSciences > Genomics, Secondary Analysis

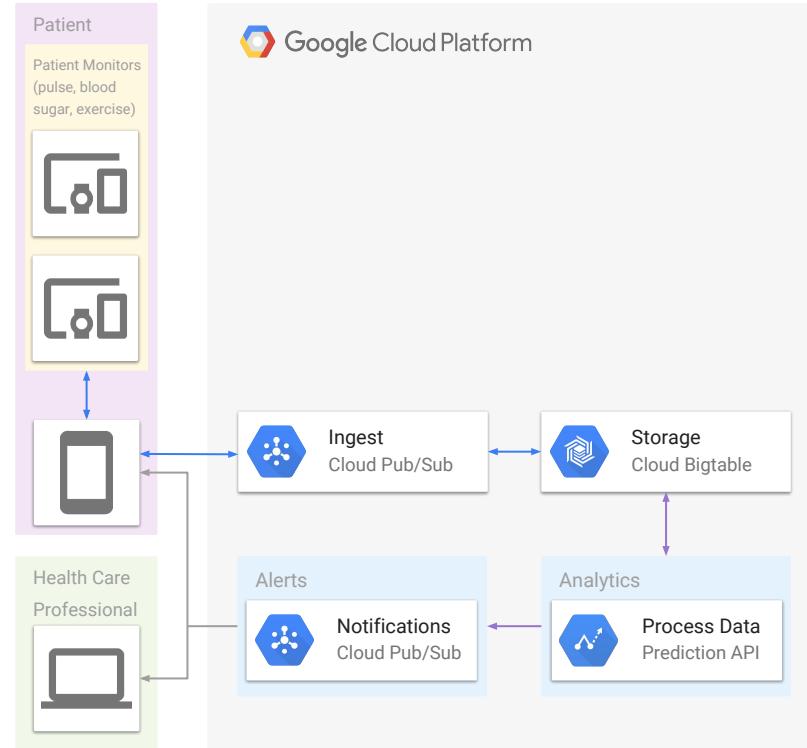
Architecture: LifeSciences > Genomics, Secondary Analysis



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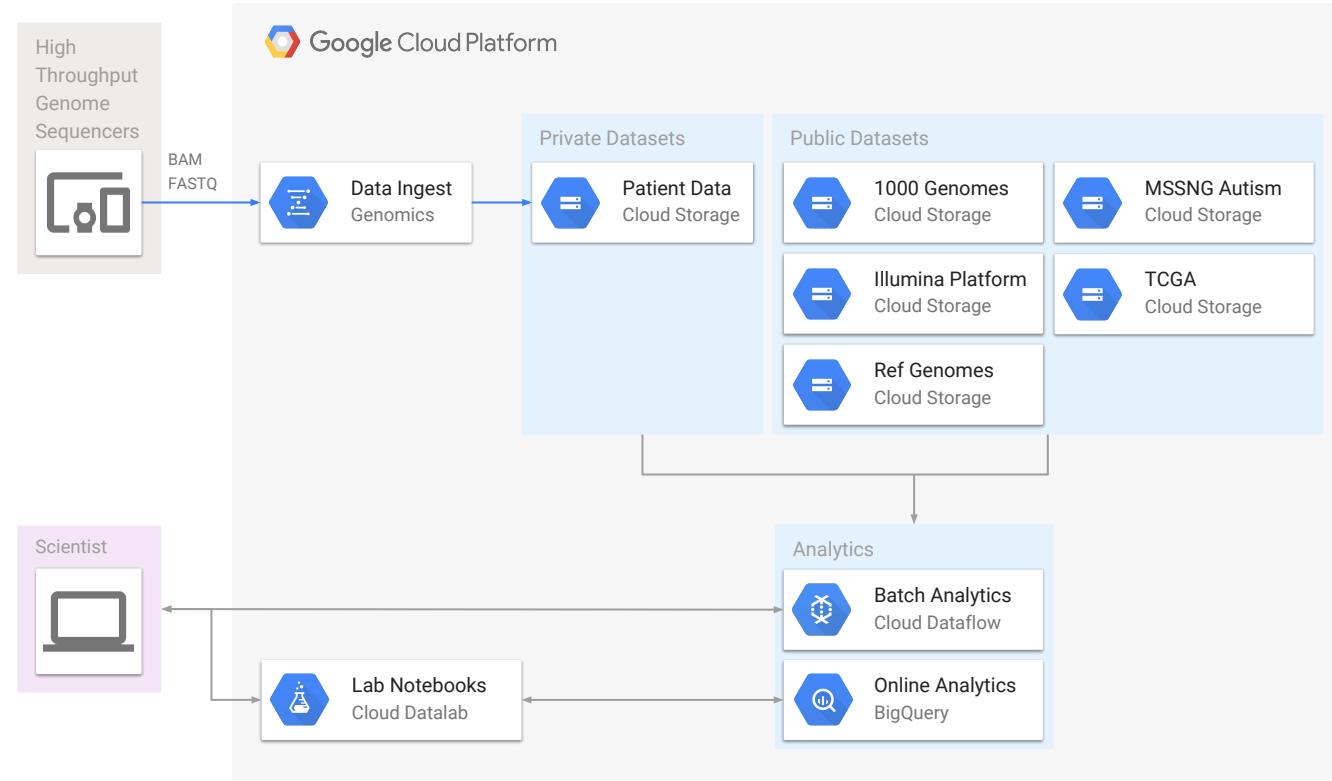
LifeSciences > Patient Monitoring

Architecture: LifeSciences > Patient Monitoring



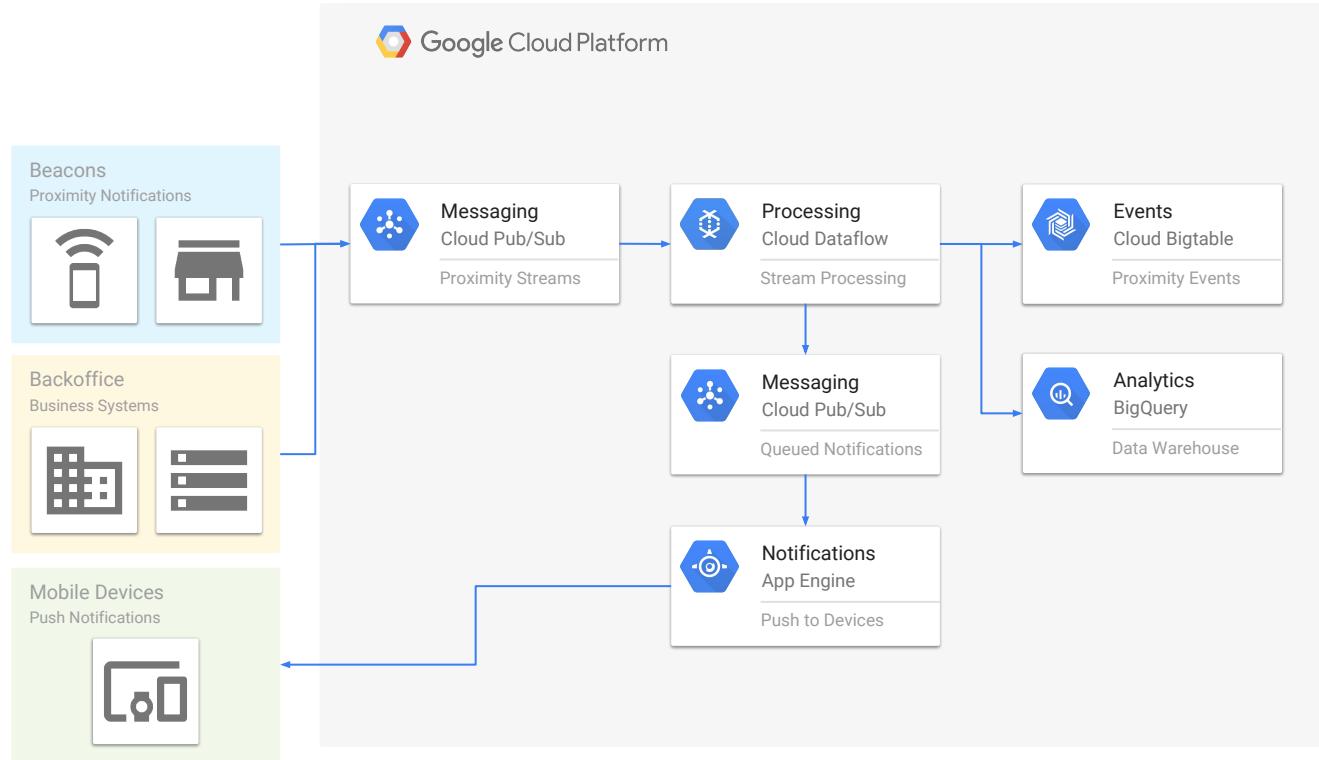
LifeSciences > Variant Analysis

Architecture: LifeSciences > Variant Analysis

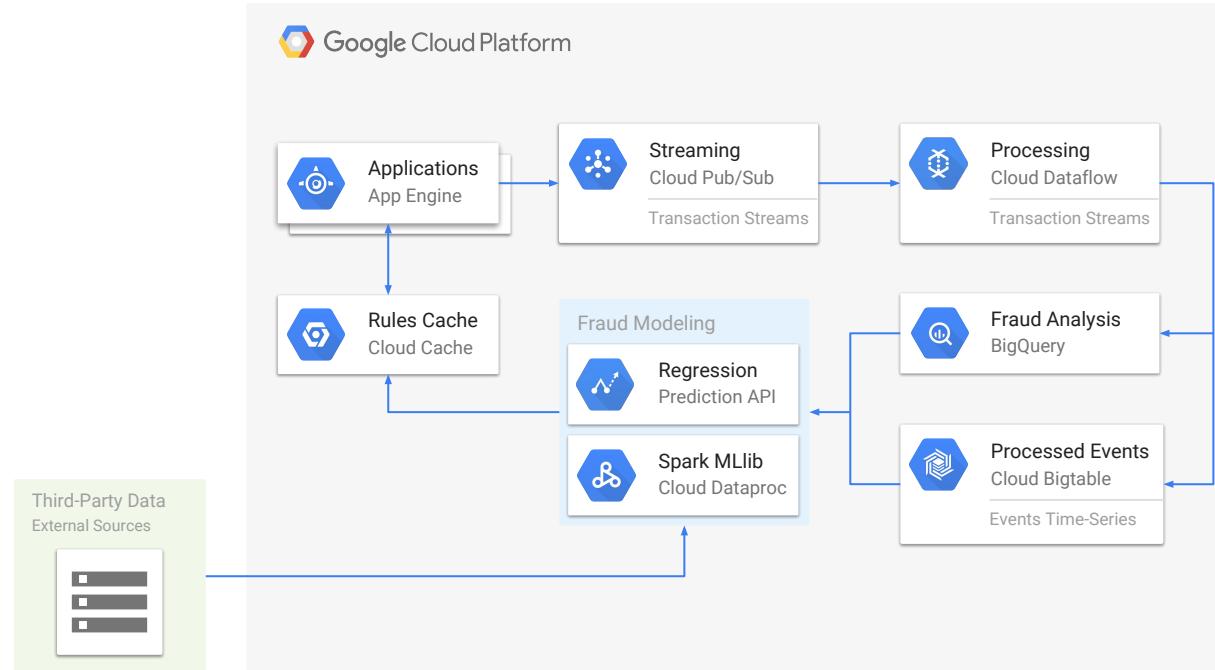


Retail > Beacons and Targeted Marketing

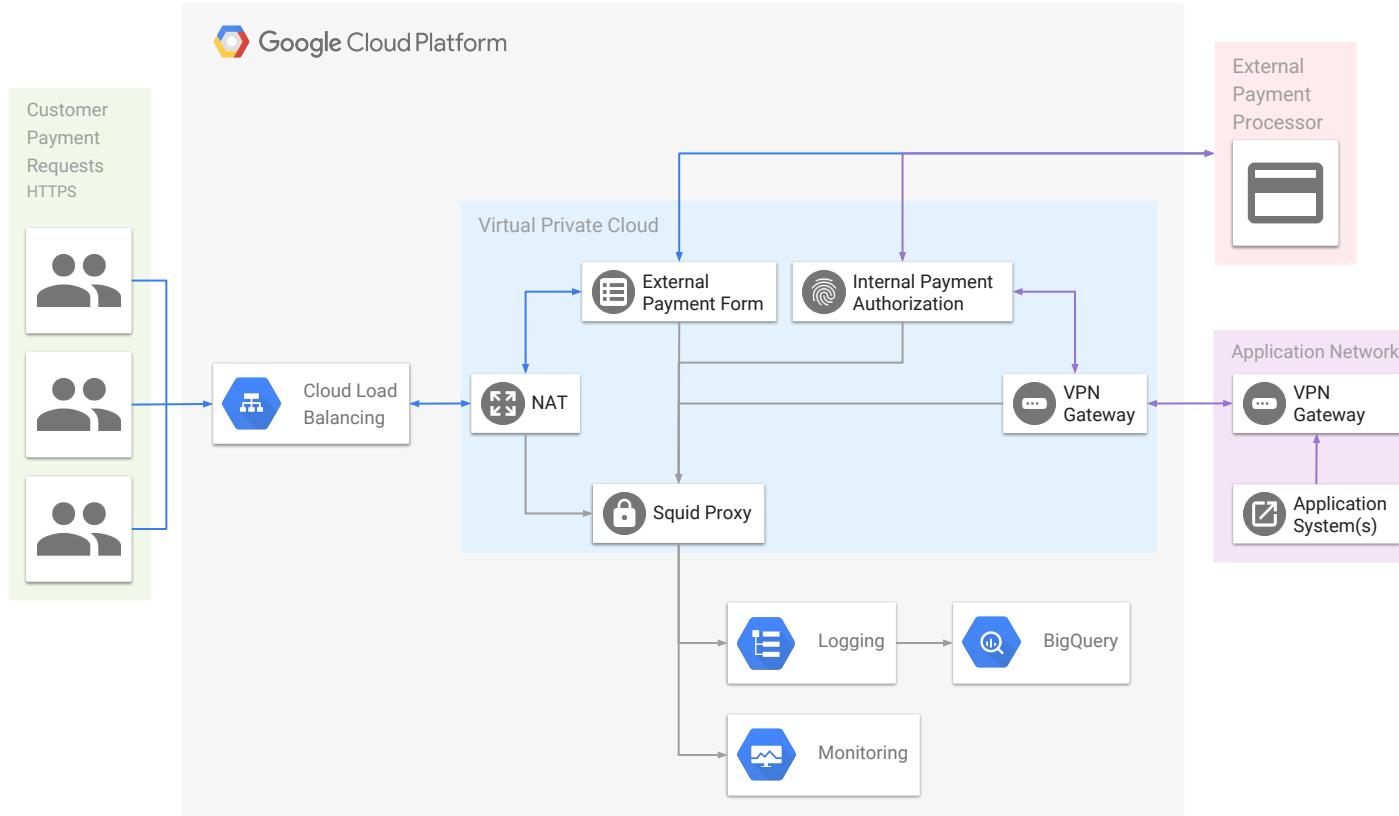
Architecture: Retail > Beacons and Targeted Marketing



Architecture: Retail > Fraud Detection

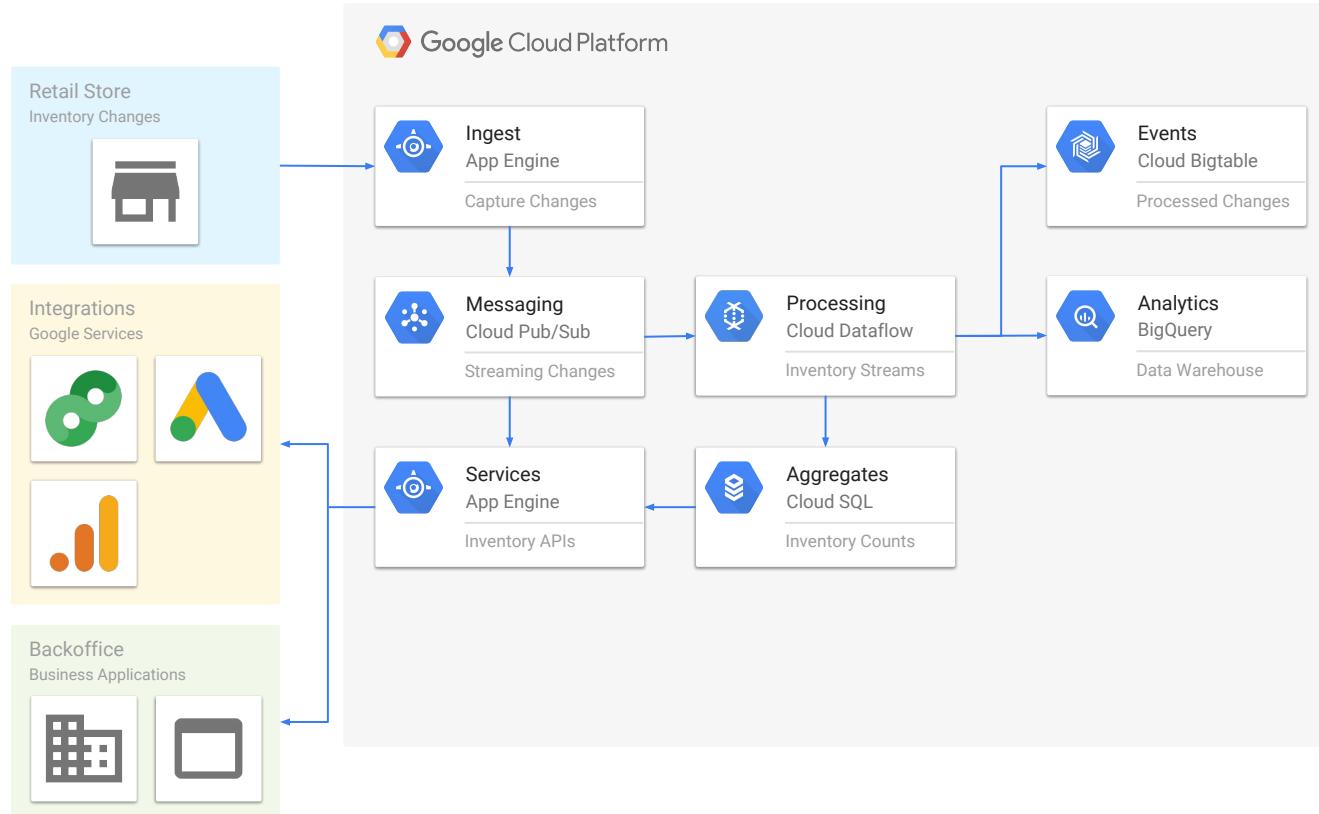


Architecture: Retail > PCI



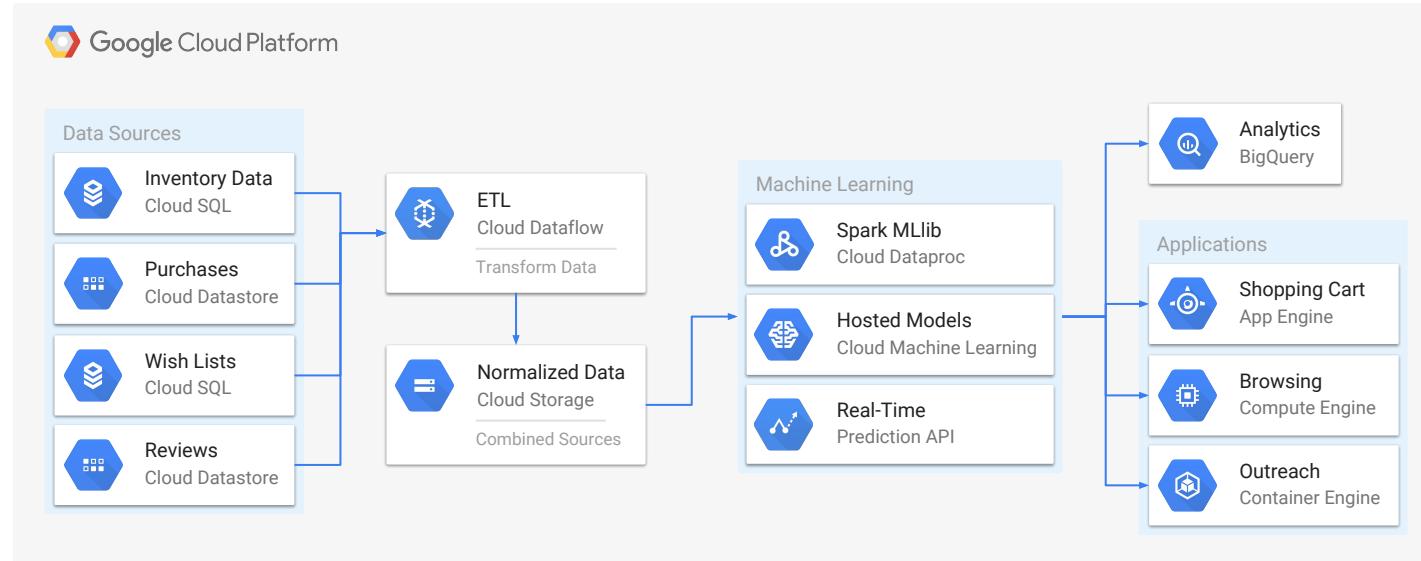
Retail > Real-Time Inventory

Architecture: Retail > Real-Time Inventory



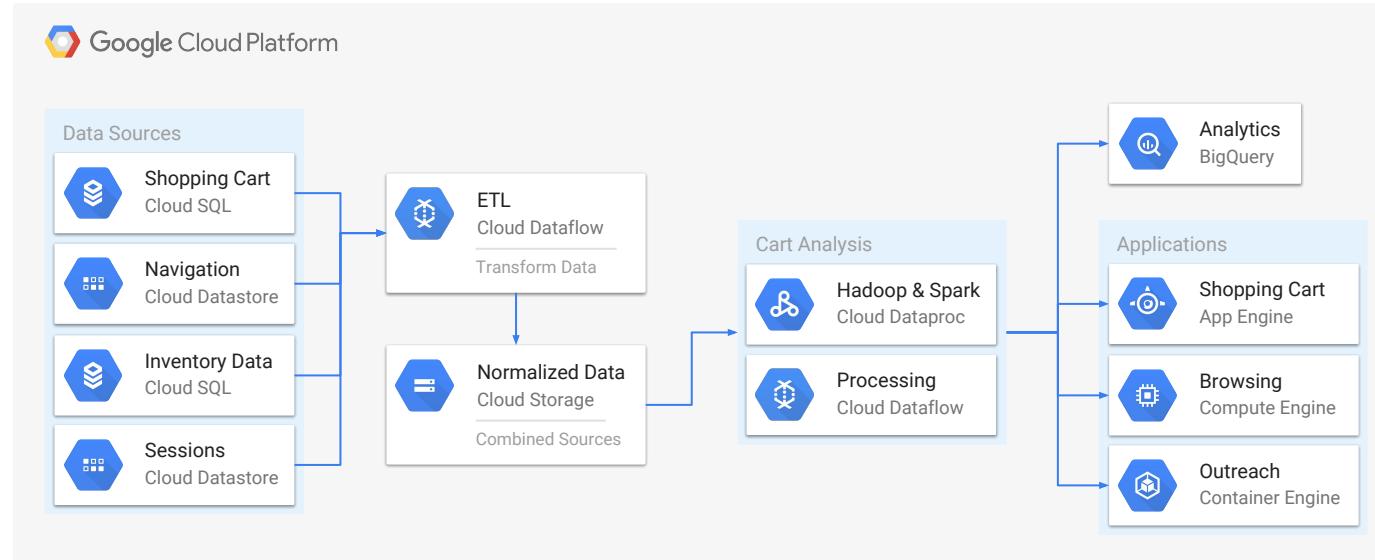
Retail > Recommendation Engines

Architecture: Retail > Recommendation Engines

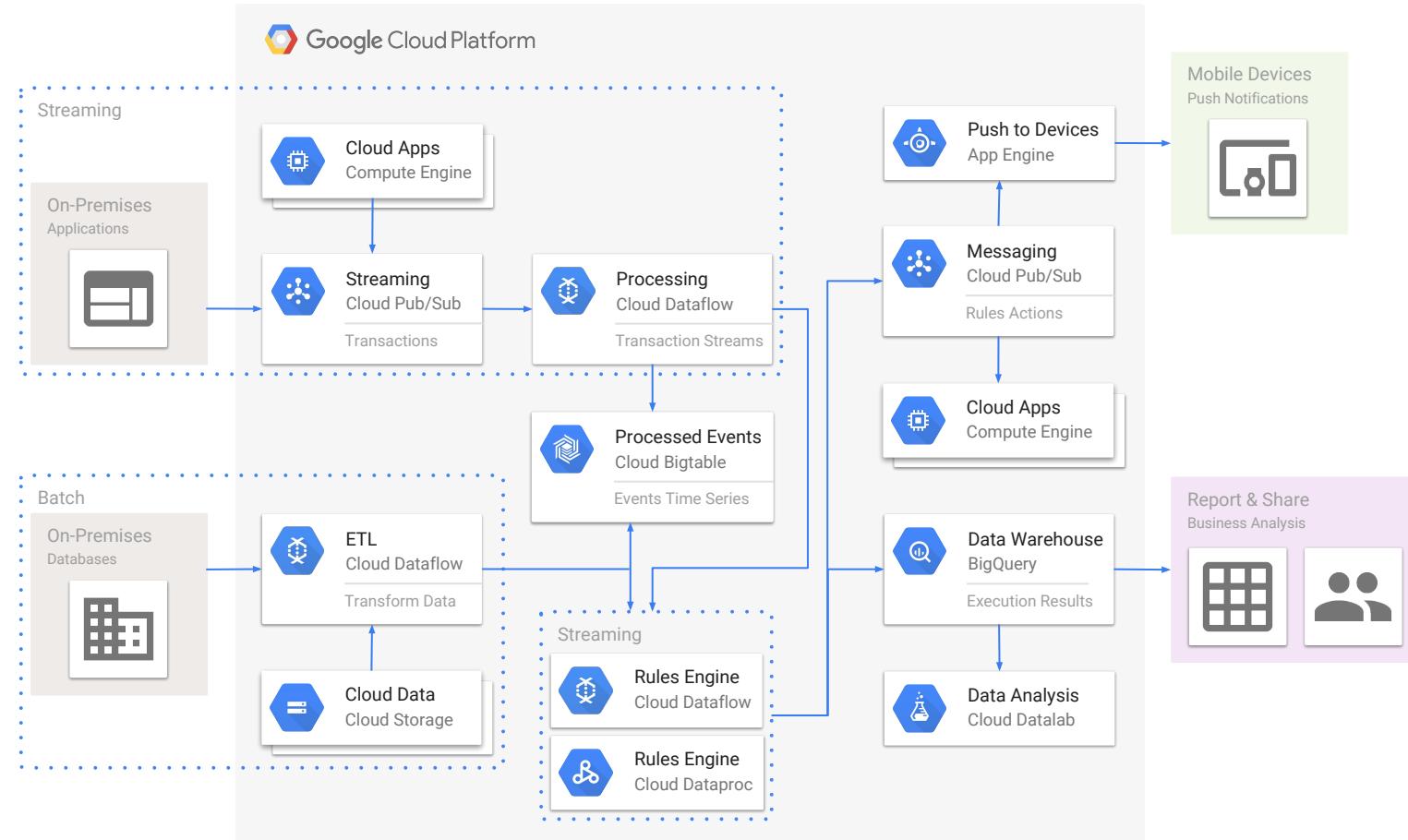


Retail > Shopping Cart Analysis

Architecture: Retail > Shopping Cart Analysis

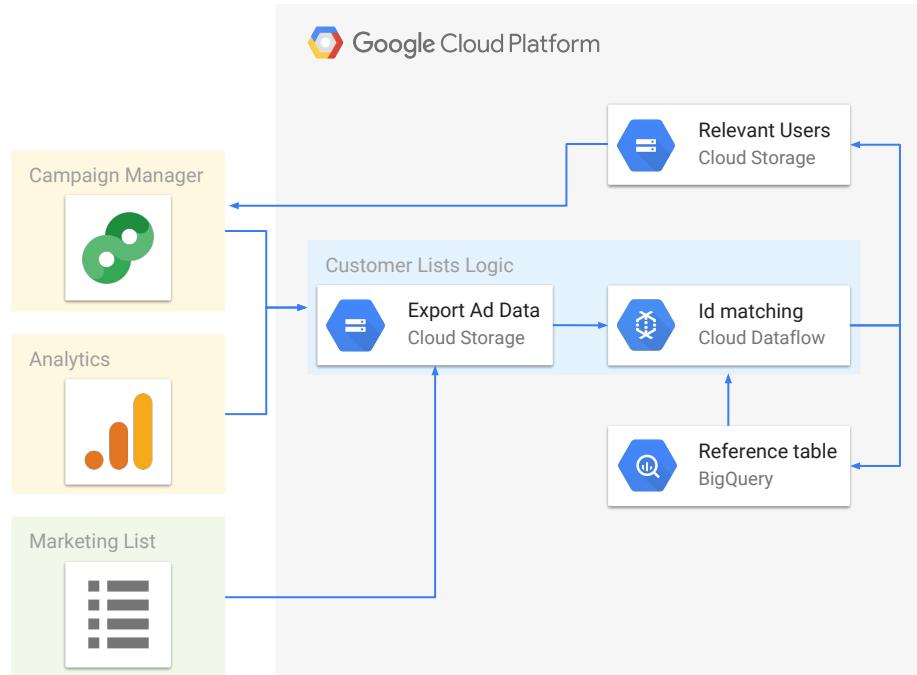


Big Data > Complex Event Processing



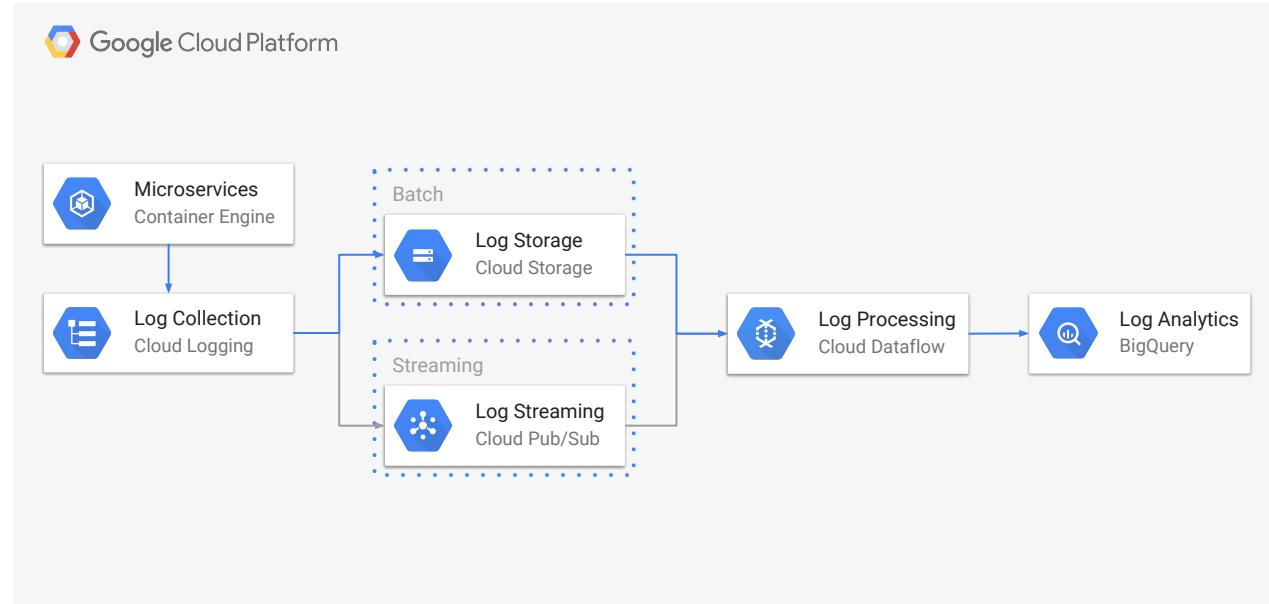
Big Data > DMP / Data Warehouse

Architecture: Big Data > DMP / Data Warehouse



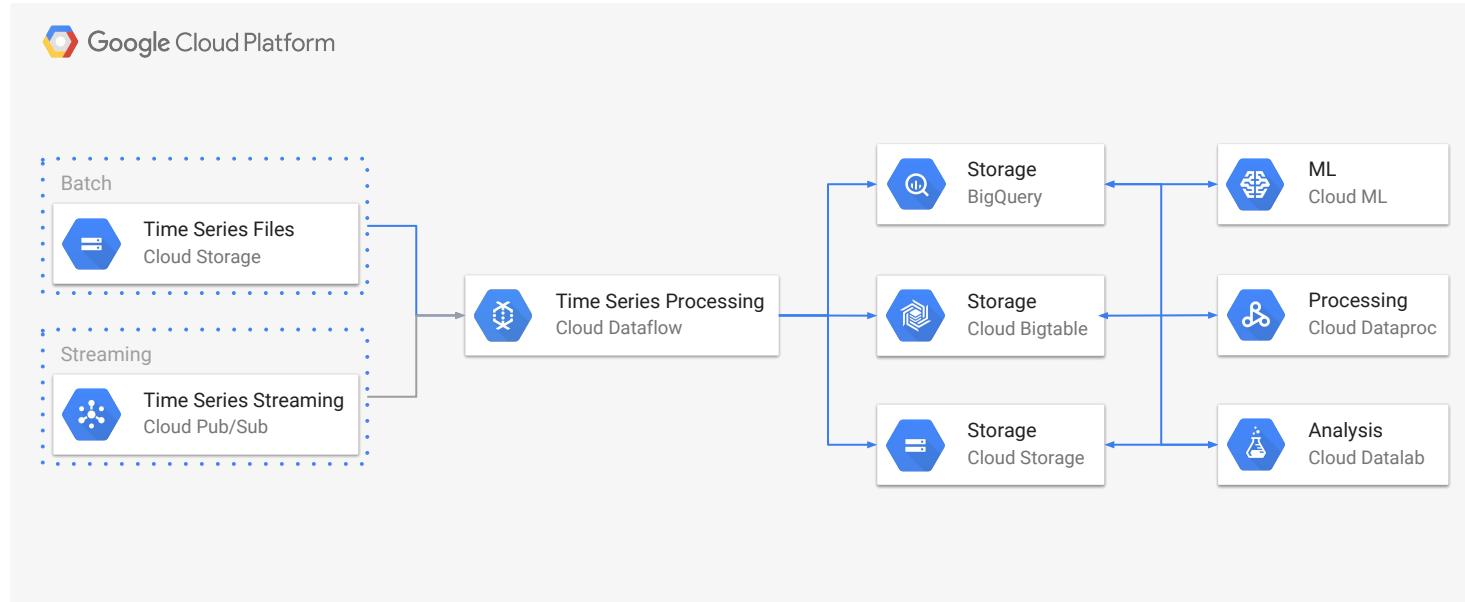
Big Data > Log Processing

Architecture: Big Data > Log Processing



Big Data > Time Series Analysis

Architecture: Big Data > Time Series Analysis



Resources

Web Resources

Icon and sample diagrams landing page <https://cloud.google.com/icons>