Building Modern Web Apps on Heroku
Develop apps faster with managed services, security and infrastructure

**Architecture Overview**

Users expect fast, high performing apps powered by data. These apps need to work in browsers and mobile devices. They also expect these web apps to be tightly integrated with any number of different data sources. For developers, it means building apps that use Content Delivery Networks (CDNs), API Gateways and data services like Apache Kafka, AWS S3 and Metabase. Heroku lets you focus on building apps faster with these components, managed by a world-class security & operations team.

1. **Content Delivery Network**
   - A global network cache that can deliver JavaScript, HTML, CSS, images, or other web assets to the user's browser more efficiently than our web server can.

2. **API Gateway**
   - A publicly exposed API from which the single page app can securely request the data it needs.

3. **Apache Kafka**
   - A distributed streaming platform that can manage large streams of data reliably. Data producers and data consumers can easily attach themselves to send data to or receive data from Kafka.

4. **AWS S3 / Google Cloud Storage**
   - Effectively unlimited, highly-redundant storage for data or web assets.

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AWS RedShift / Google BigQuery
A SQL-like data warehouse tool to organize the data and make it queryable quickly

Heroku Dataclips / Einstein Analytics / Looker
Data query and visualization tools that are simple to use and easy to start using to the data warehouse

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