LUKE BOLTON

Communications Design Portfolio

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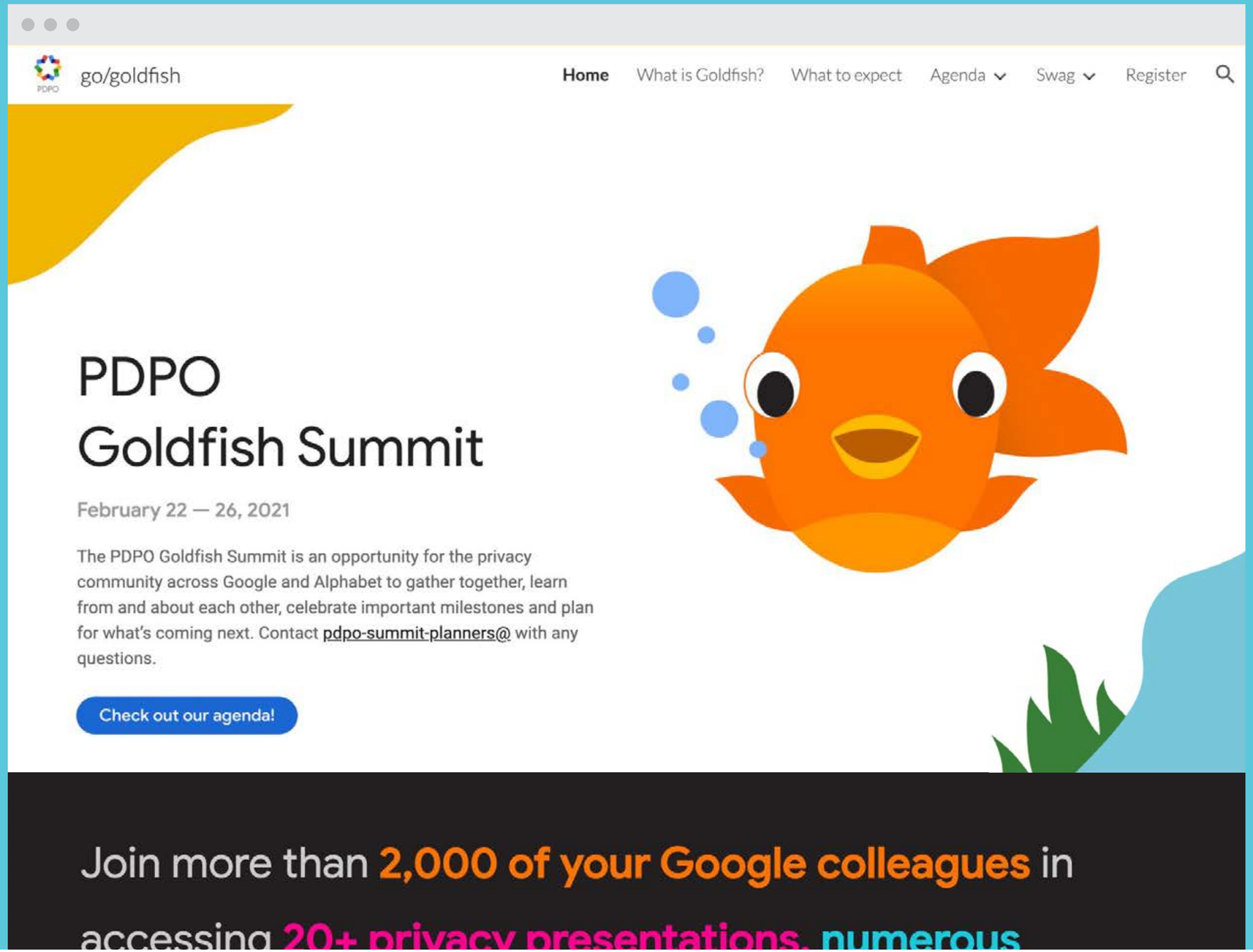
go/goldfish
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PDPO
Goldfish Summit
February 22 — 26, 2021
The PDPO Goldfish Summit is an opportunity for the privacy community across Google and Alphabet to gather together, learn from and about each other, celebrate important milestones and plan for what's coming next. Contact pdpo-summit-planners@ with any questions.
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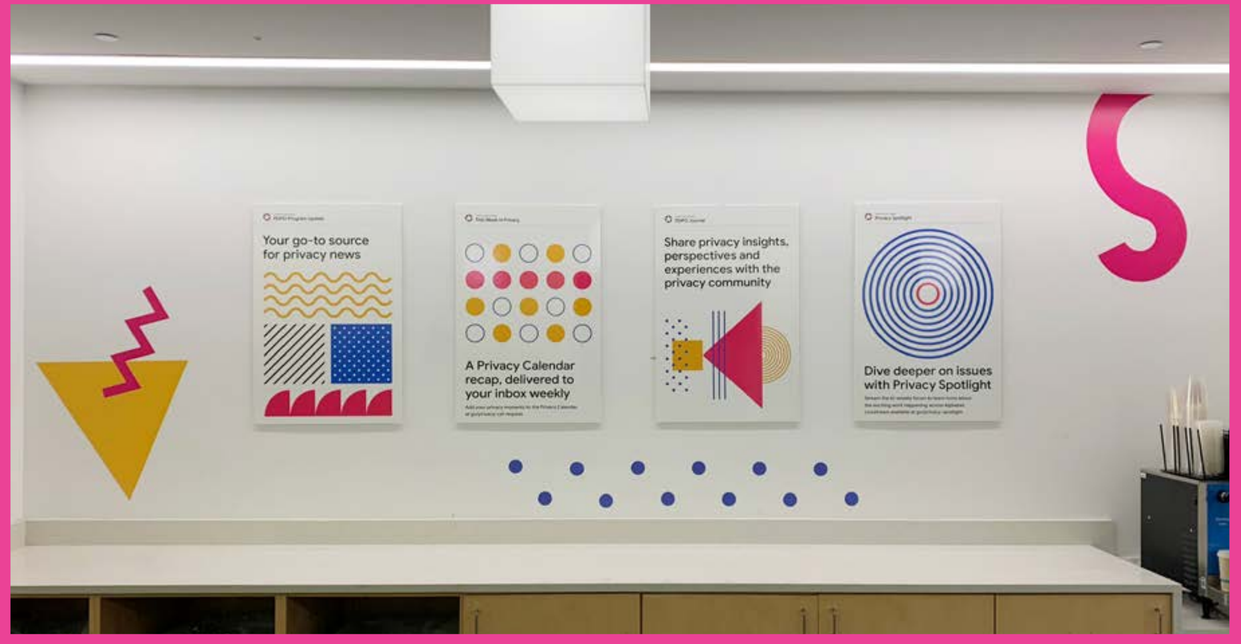
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SAFETY & SECURITY

Keeping your private information private

Jun 24, 2020 · 5 min read

Sundar Pichai
CEO of Google and Alphabet

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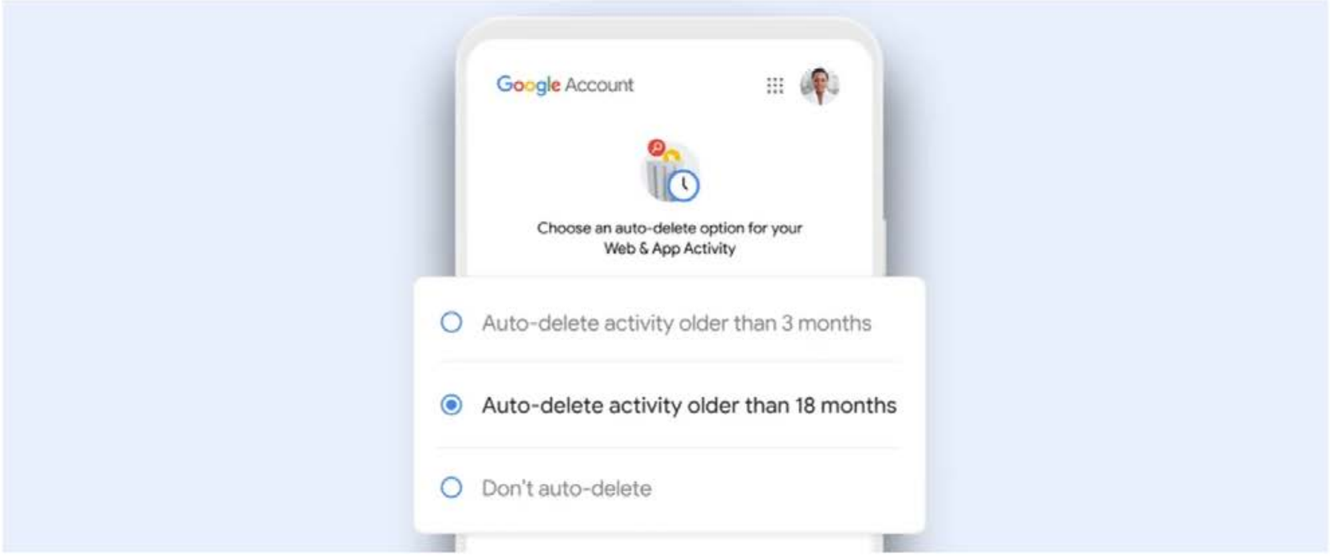

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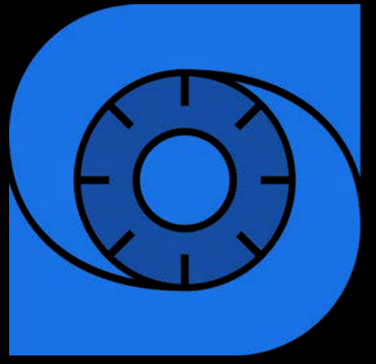
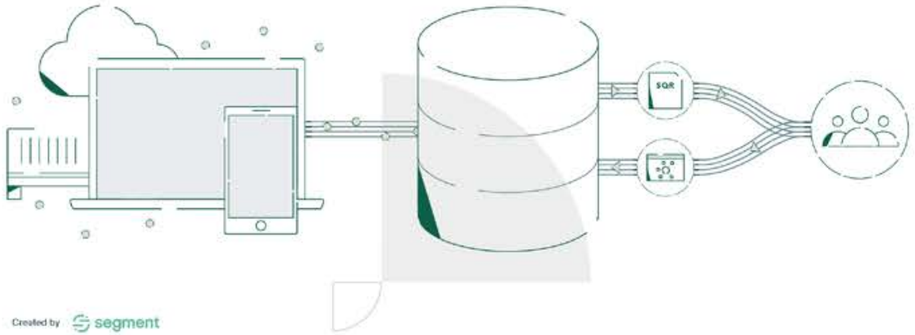


THE SAFE

Selecting the Right Cloud Data Warehouse for Analytics



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			IBM Db2 Warehouse	Postgres
			Structured	Structured
			Automatically scales by adding new nodes as needed	Requires manual data partitioning to scale effectively
			Auto-scales clusters when needed to keep queries fast	Generally run on a single machine
			Fully managed	Requires manual maintenance
Cost	on nodes or per bytes scanned	drives cost per query up) and flat rate	Pay for storage and compute time	Pay per storage and compute time	Free
Community	AWS ecosystem	Google Cloud Platform ecosystem	Enables data sharing across Snowflake warehouses	IBM ecosystem	Large ecosystem of compatible products

Selecting the Right Cloud Data Warehouse for Analytics Quick Reference Guide

segment

You'll also want to consider how a particular warehouse scales during times of demand. For example, Redshift can support massive amounts of data but will require you to manually add more nodes (for added storage and compute power). Snowflake, on the other hand, offers an auto-scale function which spins up and down clusters dynamically, as needed. BigQuery offers automatic management of resources — invisible to the user — to meet additional needs and also offers a free, batch ingest method that doesn't compete with query capacity. Each offers impressive scale but works slightly differently.

Selecting the Right Cloud Data Warehouse for Analytics Evaluation Criteria for Your Data Warehouse

Collecting data from a few sources —
Scale will be less important to you if you have a smaller data set and only a few people responsible for querying the data. As a benefit, lower scale means the warehouse will be more cost-effective.

Examples:

MySQL

Collecting data from all sources —
You should consider a warehouse specifically built for large scale if you have over a terabyte of data and have multiple users querying your data simultaneously. Larger scale means that you won't have any issues storing your data or keeping your queries fast.

Examples:

IBM

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