



Google Cloud **DISCOVERY DAY** WITH UNIVERSITI MALAYA

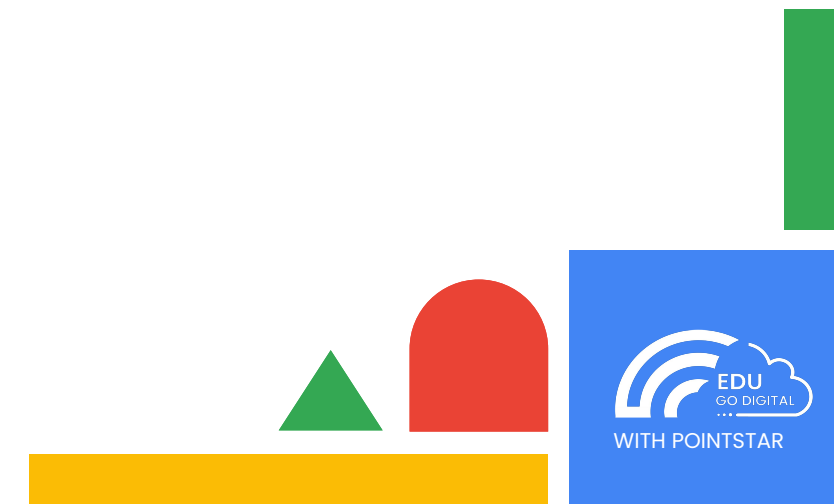
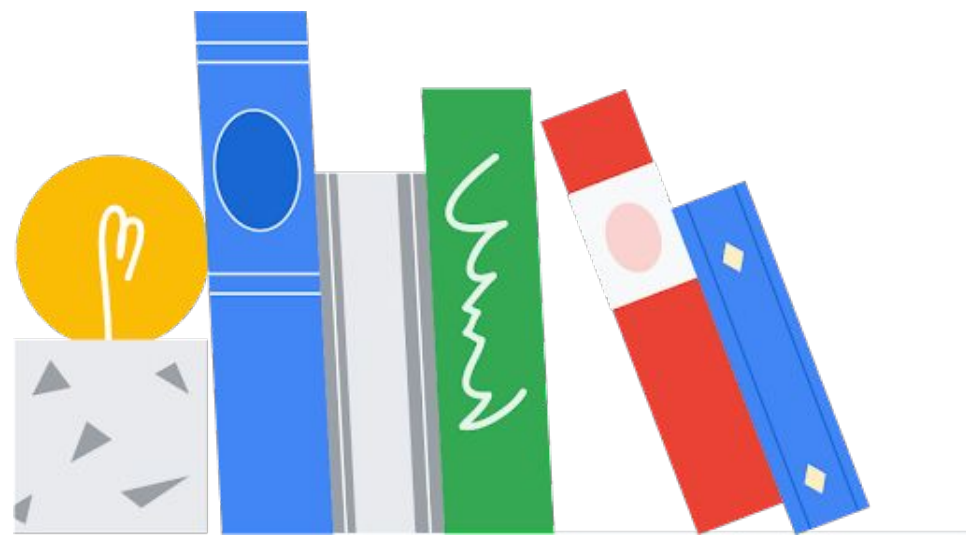
27 SEPTEMBER 2022 (TUES)

2:00PM - 4:30PM

ECONO-CUBE, UM / GOOGLE MEET

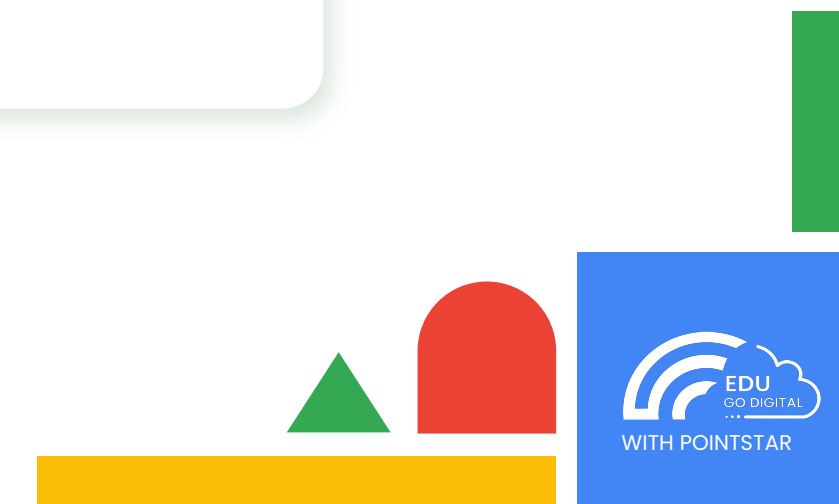
In collaboration with:

Welcome



AGENDA

- **Opening Note & Welcome Address** *By Universiti Malaya*
- **Digital Education Landscape & Trends in Malaysia** *By Google Cloud*
- **Productivity & Collaboration with Google Workspace** *By PointStar*
- **Demo Session: Automation with No Code App Development** *By PointStar*
- **Demo Session: Simplified Reporting Dashboard & Data Visualization** *By PointStar*
- **Closing, Q&A** *By PointStar & Universiti Malaya*





OPENING NOTE & WELCOME ADDRESS



Dr Kwek Kian Teng

Associate Professor, Dept. of Economics & Applied
Statistics, Faculty of Business & Economics
Universiti Malaya



DIGITAL EDUCATION LANDSCAPE & TRENDS IN MALAYSIA



Cedric Yang
Education Lead,
Global Public Sector, SEA Emerging Markets
Google Cloud

Bringing the Best of Workspace and Cloud



Our Agenda

1. [5 mins] **About Google Cloud Overview**
2. [5 mins] **Google for Education**
3. [2 mins] **Higher Education Current Landscape**
4. [3 mins] **Gemilang Program**

About Google Cloud



Google Cloud



Hello, Malaysia

A new cloud region is coming.



Tengku Zafrul: Google Cloud will enable Malaysia to move forward digitally

By FAZLEENA AZIZ

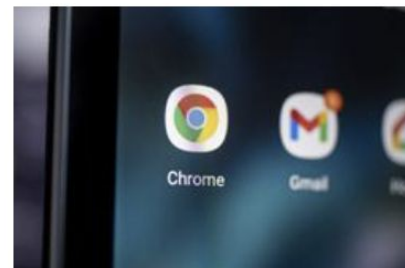


TECHNOLOGY

Friday, 12 Aug 2022

5:50 PM MYT

Related News



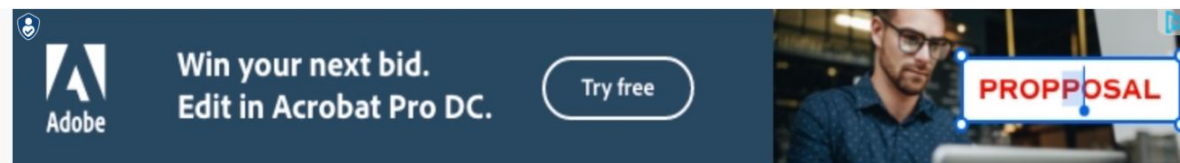
INTERNET 8h ago



Google Cloud regions to include Malaysia

Shazni Ong / theedgemarkets.com

August 10, 2022 15:49 pm +08



AwanBiru Technology lauds Google's cloud region in Malaysia



By Asila Jalil - August 16, 2022 @ 4:41pm



#AstroAWANI #AWANINews #NormaBaharu Penuhi Permintaan | Rantau awan pertama Google Cloud ke Malaysia

Google Cloud Malaysia Team



Kwei Foong Koh



Michael Hoo

Sales Leadership



Irda
Gov: Fed 1



Syamsul
Gov: Fed 2



Cedric
Edu



Mukhriz
SLG



Cherisse
GLC

Technical Leadership



Wai Theng
Fed

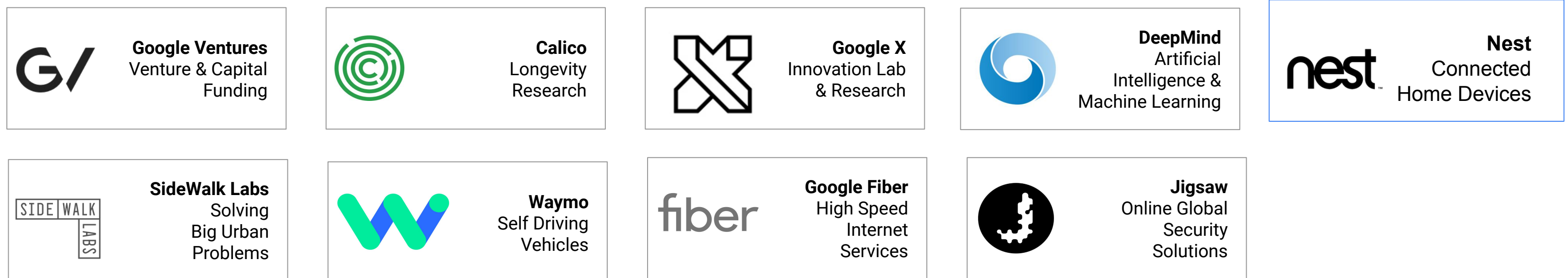
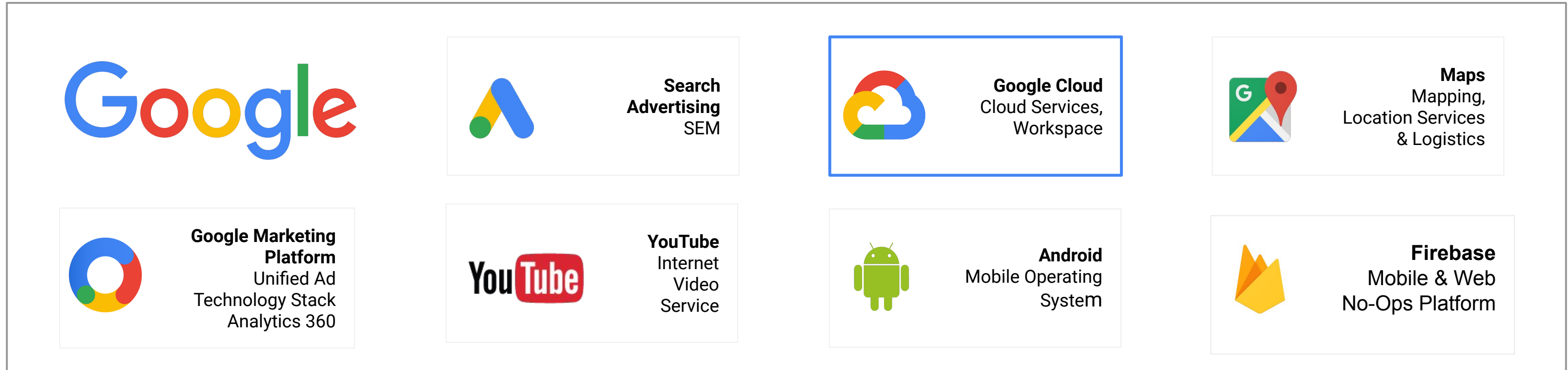


Stephen
GLC



Timothy
SLG/Edu

Alphabet - The big picture






Our mission is **why**
we innovate

Google's mission is to organize
the world's information and make
it universally accessible and useful

Google

Google



Google Search

I'm Feeling Lucky

The Google logo is centered in the upper half of the image, rendered in its characteristic multi-colored font (blue, red, yellow, green, red). It is superimposed over a background of a vast server room with a complex metal ceiling structure and rows of server racks illuminated with blue light.

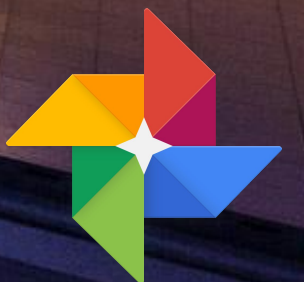
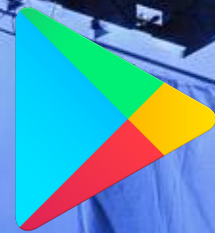
Google

A white, horizontal search bar is positioned in the center of the image. It is empty and features a small, colorful microphone icon on the right side, indicating voice search functionality.

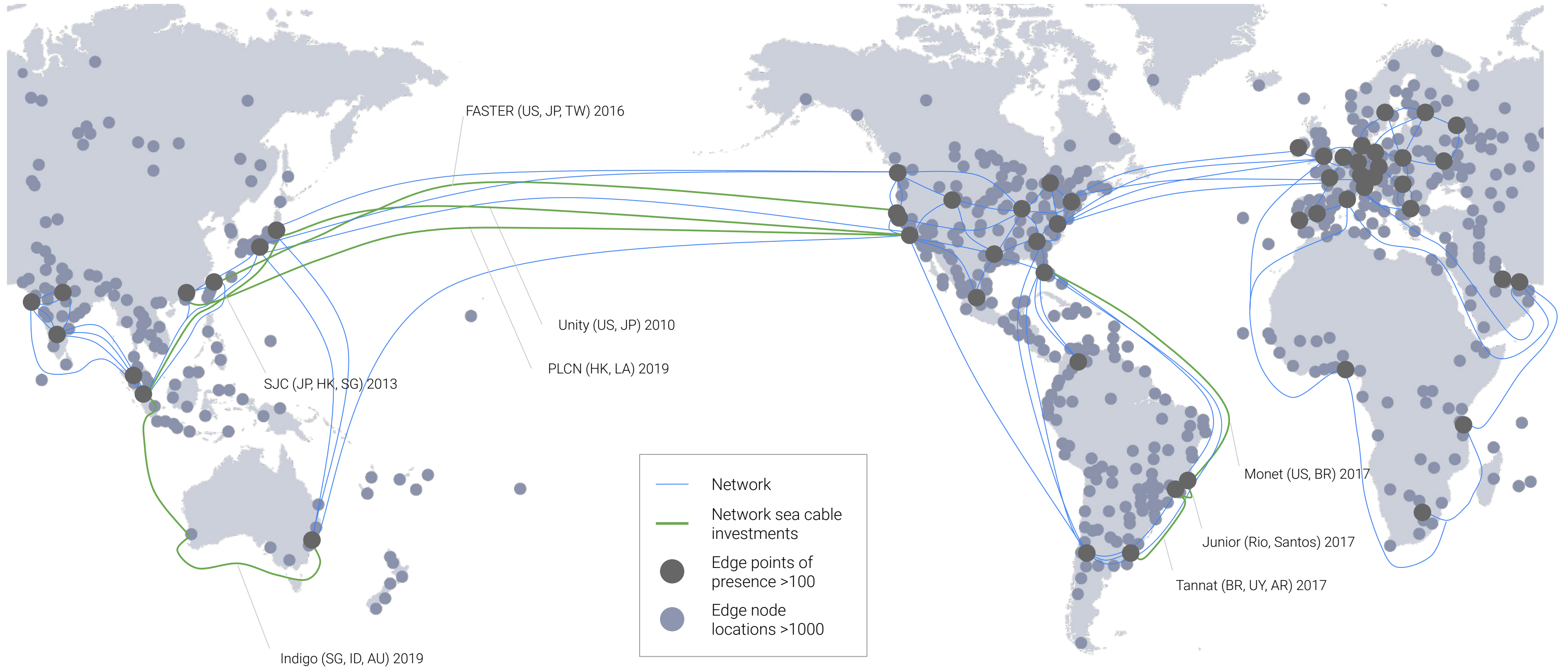
Google Search

I'm Feeling Lucky

Running on Infrastructure that operates at scale



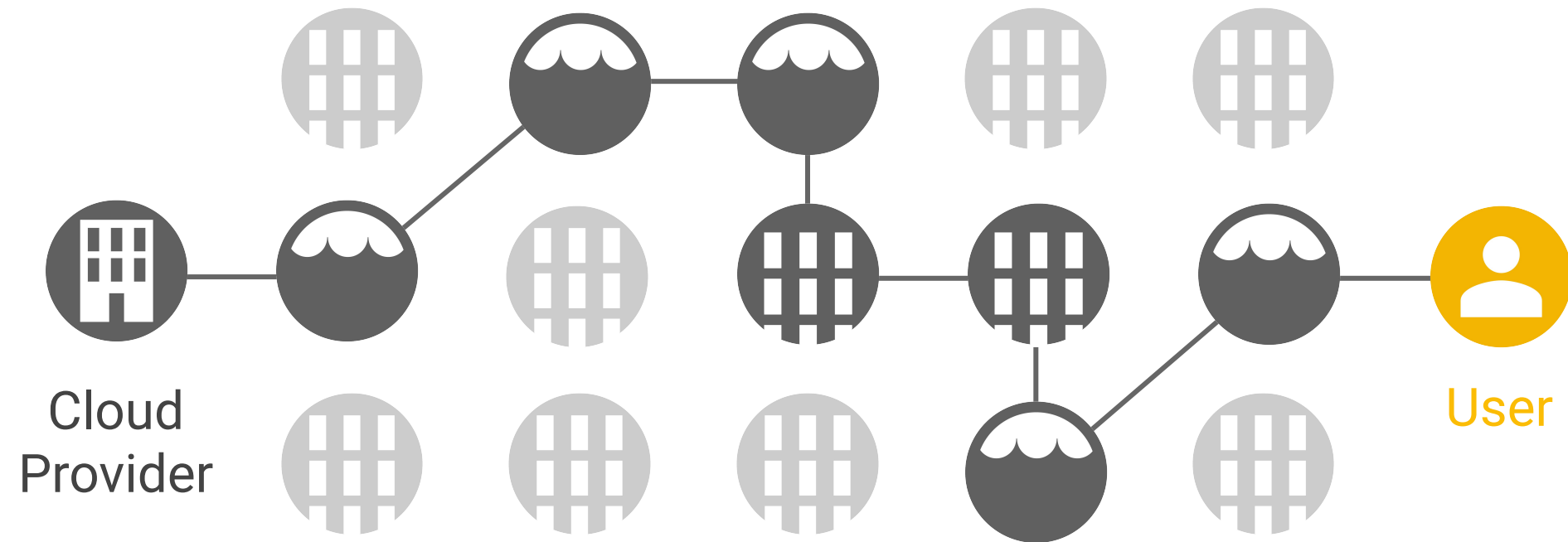
Google Cloud Network



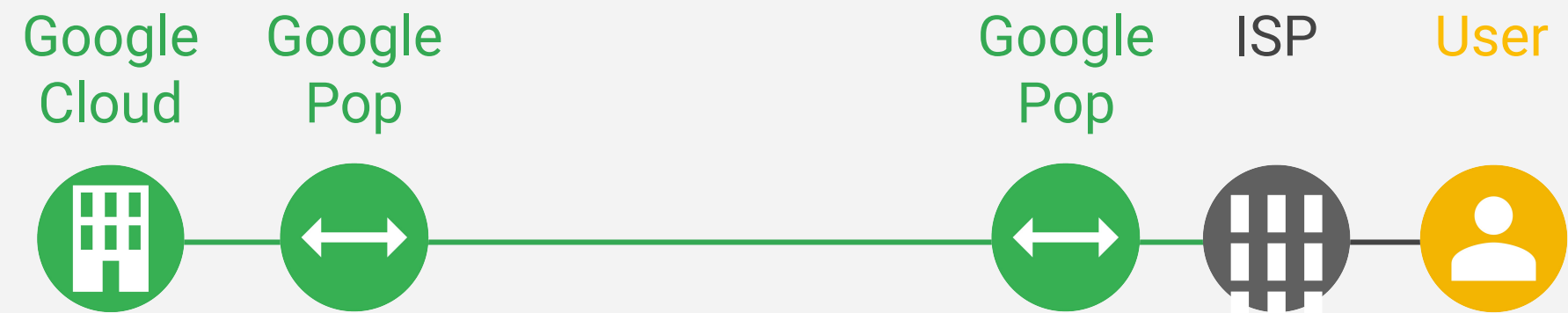
40% of world's internet traffic is carried by Google's Network, with over 50% lower data center energy consumption

The Network Matters

Typical Cloud Provider



Google Cloud



Google Cloud brings the **best of Google** to your organization

Google Workspace  AppSheet

Productivity & Work Transformation

Insights Platform/
Smart Analytics
-as-a-Service

Data Management
-as-a-Service

API Management
-as-a-Service

Application Platform
-as-a-Service

- BigQuery
- AI Platform
- Contact Center AI
- Cloud Data Fusion
- Cloud SQL
- Cloud Spanner
- Apigee Sense
- Apigee API Platform
- Anthos

Infrastructure -as-a-Service

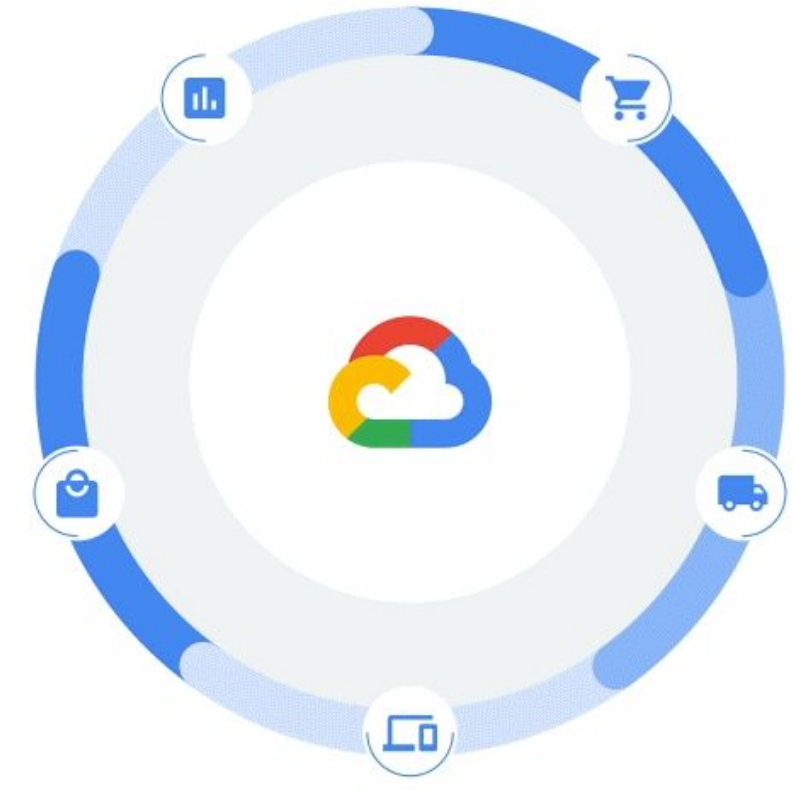
- Compute Engine
- Google Kubernetes Engine
- App Engine
- Cloud Storage
- Cloud Network
- Virtual Private Cloud
- Cloud VPN
- Google Cloud Armor
- Security Command Center
- IAM
- Application Migration

Public Cloud

Hybrid Cloud

Multi Cloud

Edge Cloud



Google for Education



The Foundations of Google for Education

Design and deliver differentiated and engaging learning experiences that **promote collaboration and creativity**

Google Workspace for Education



Google Classroom



Google Cloud

Provide every student and teacher with **a personalized learning environment**



Chrome Education Upgrade

Enhance and elevate class content with a host of educational resources and curricula

CS First

Teacher Center

Applied Digital Skills

Chromebook App Hub

Be Internet Awesome.

Google Workspace for Education

Malaysia is the **largest deployment** of Google Workspace for Education Plus **globally** with the **highest usage** in Asia Pacific

1st Country in Southeast Asia

Malaysia MOE has is the first country to deploy nationwide, with Indonesia, Brunei and the Philippines following suit

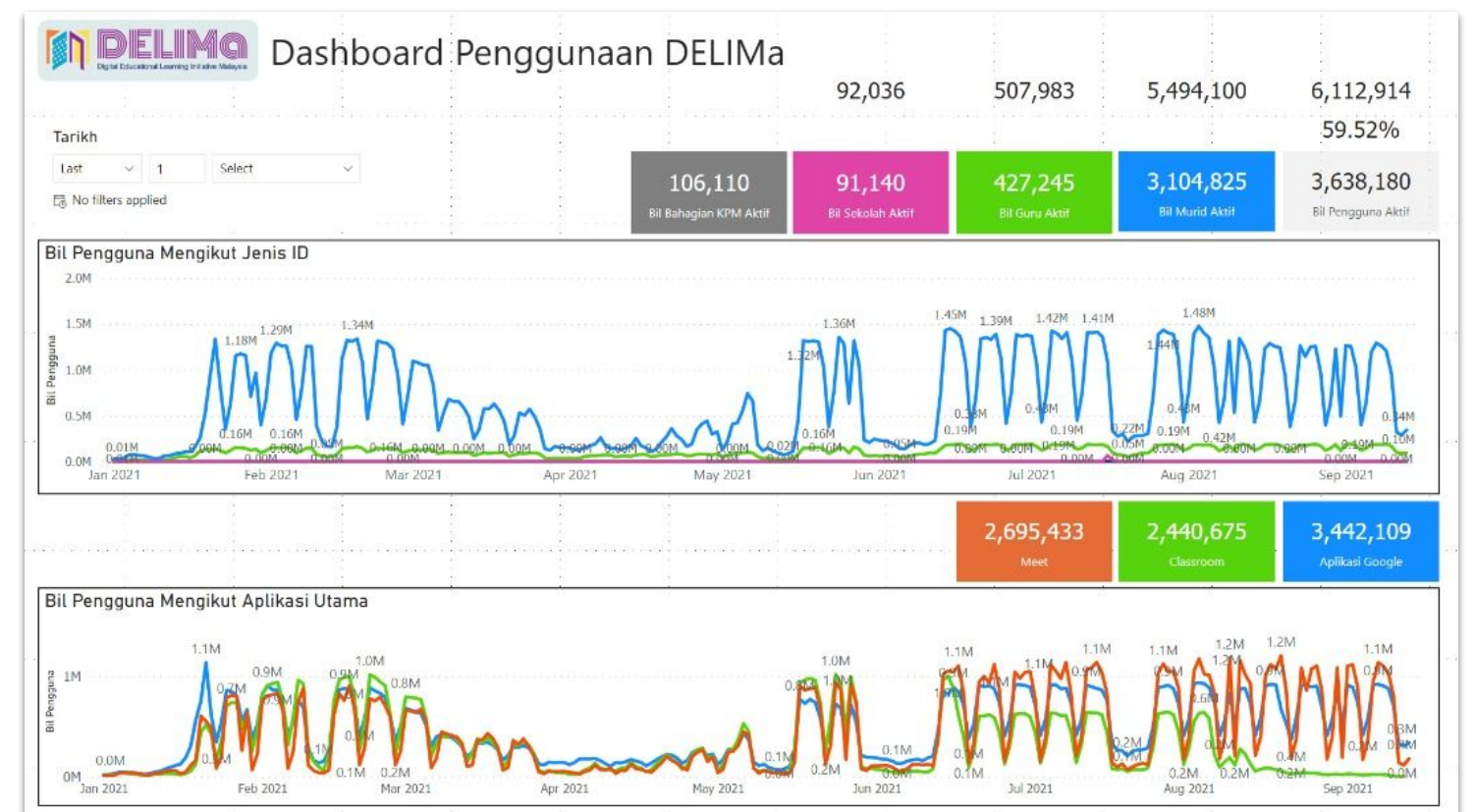
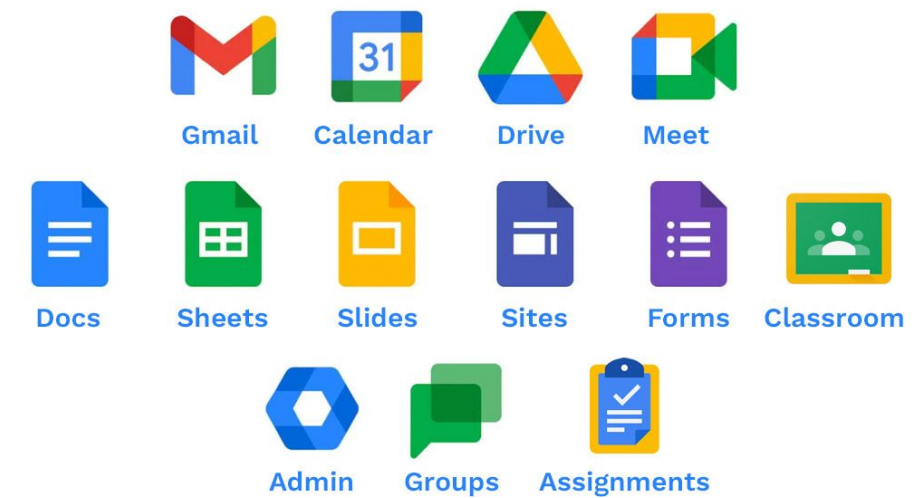
Open, Uniform & Trackable

Open & uniform platform with single sign on to other 3rd party applications, with Google being used by 90% of users

6 million users in Malaysia

110,000 paid licenses with 5.5 million free licenses

Single ID with insights for all Malaysian students and educators



Cerdik Program

Malaysia's digital education platform is being supported through the distribution of devices to B40 students via the Cerdik Program

55,000 Chromebooks

distributed nationwide to B40 students

Shareable Across Students

B40 students' accessibility can be further increased through multiple students sharing the same device

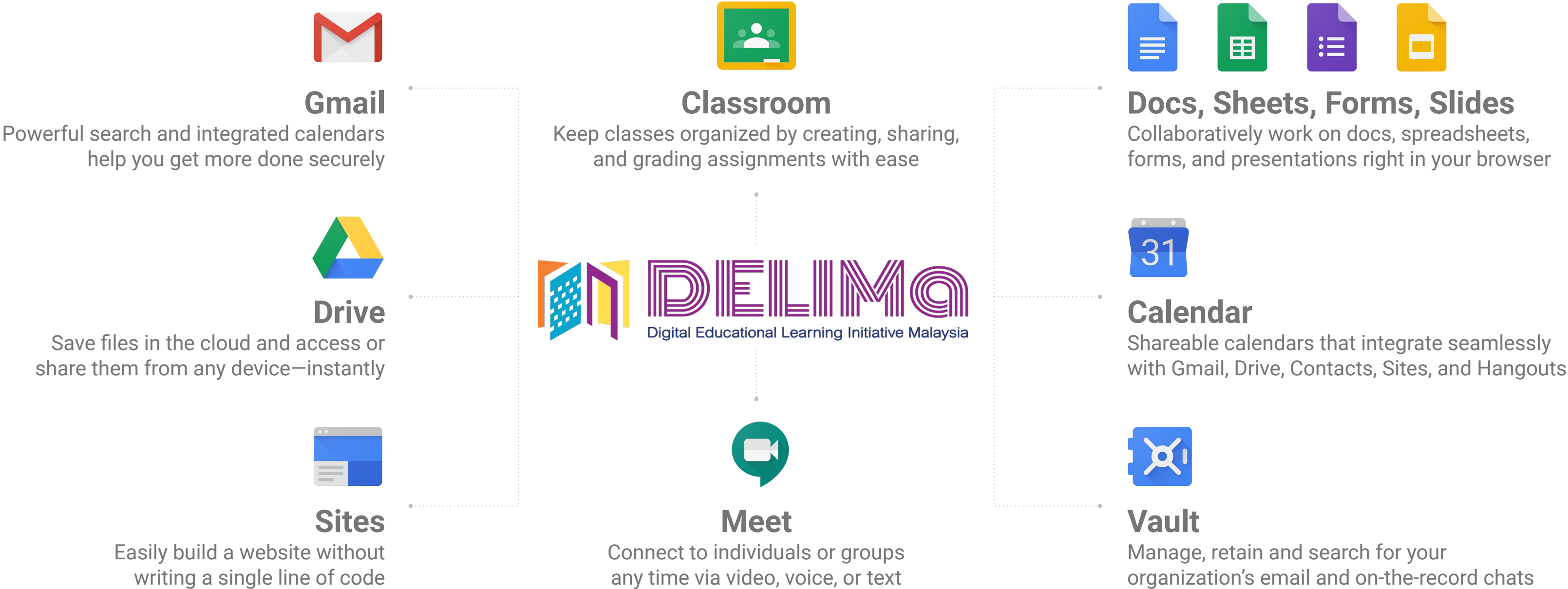
Secure & Trackable

MOE has pushed safe & secure policies to manage the devices, keeping students safe and track utilisation



Google Workspace for Education As The Core

Tools your entire school can use together, anytime and anywhere

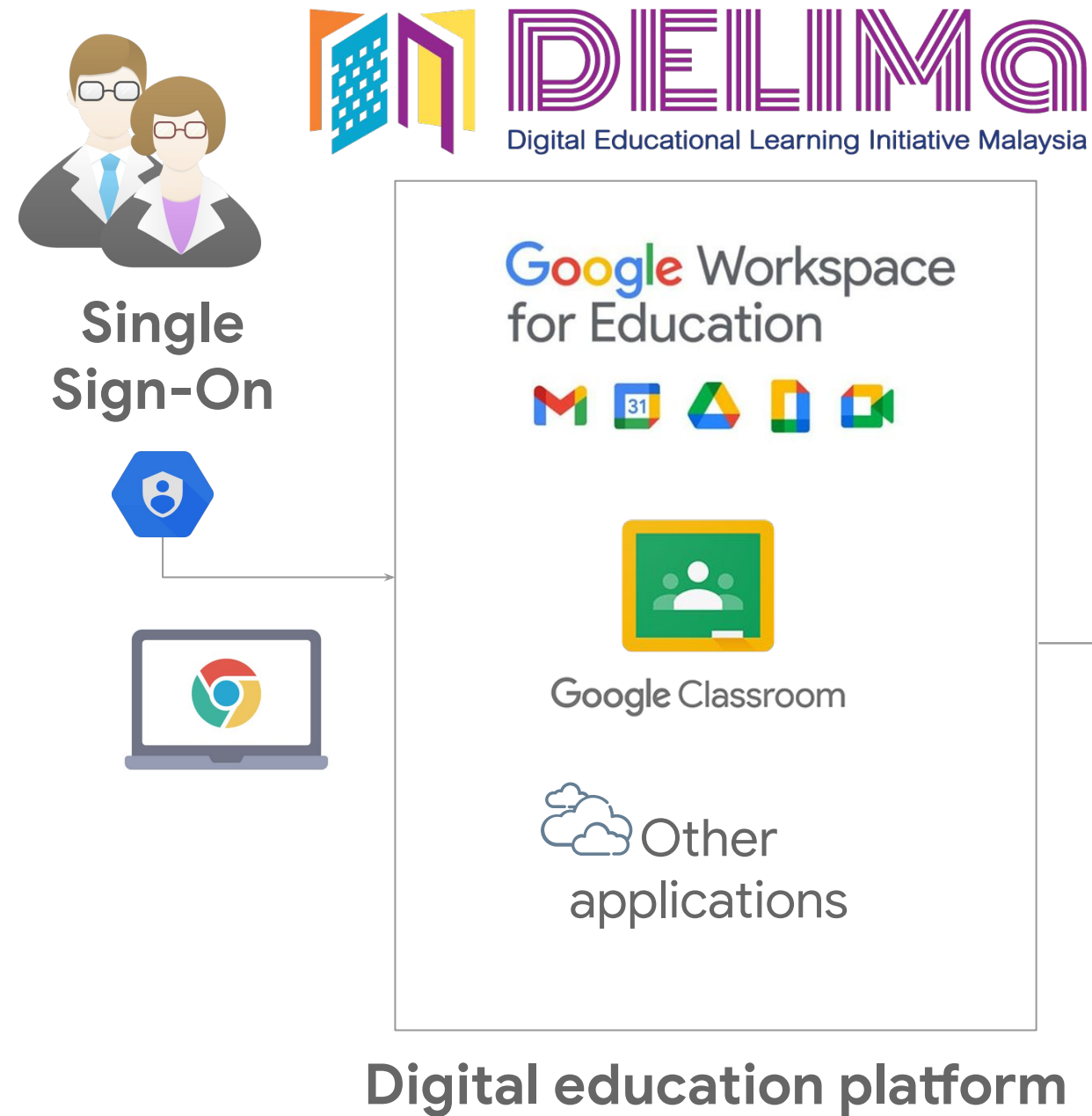


 **Google Assignments**

 **Originality Reports**

Google Workspace Education Plus

A single Google ID for DELIMa

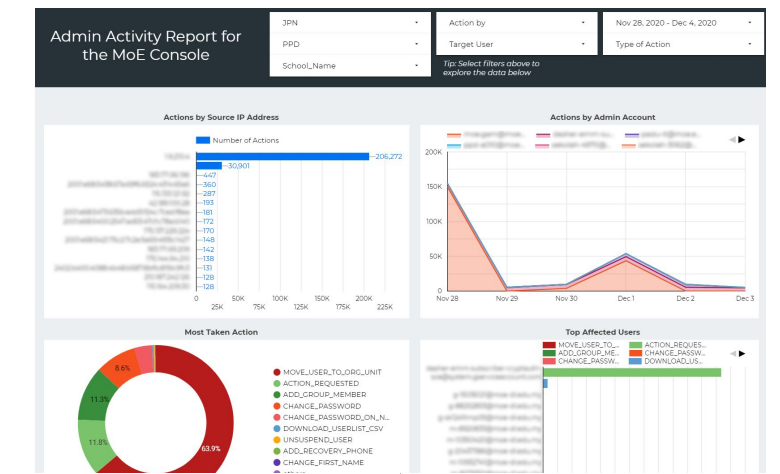


DELIMa will be able to track:

- Google Classroom usage
- Assignments created
- Time spent
- Student performance
- Apps accessed
- Resources shared
- Resources clicked
- Keywords searched
- Subjects accessed
- Comments submitted
- Resources Saved
- Ratings given
- Questions asked
- Profiles viewed

And many many more...

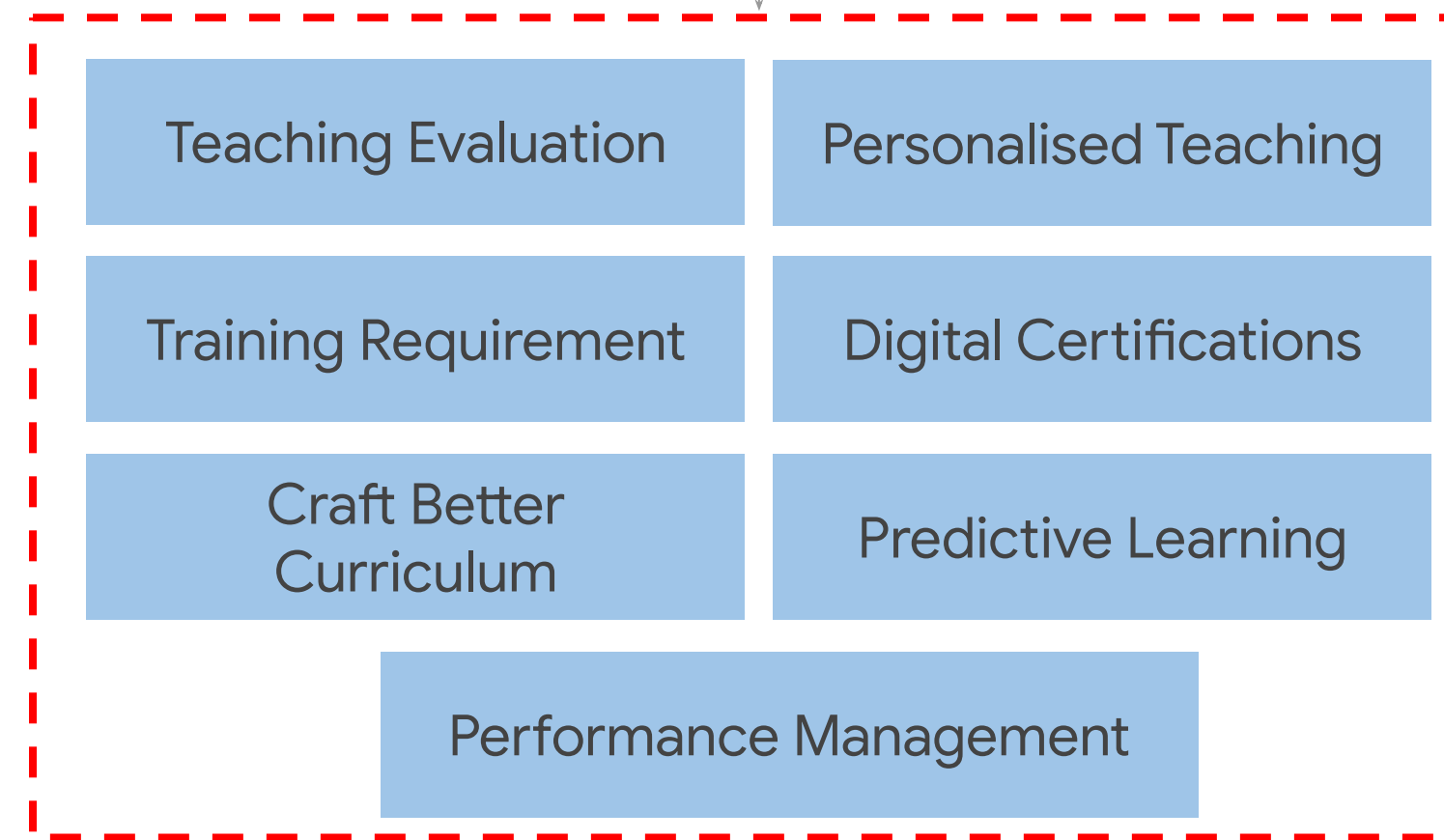
Purpose-built Dashboards



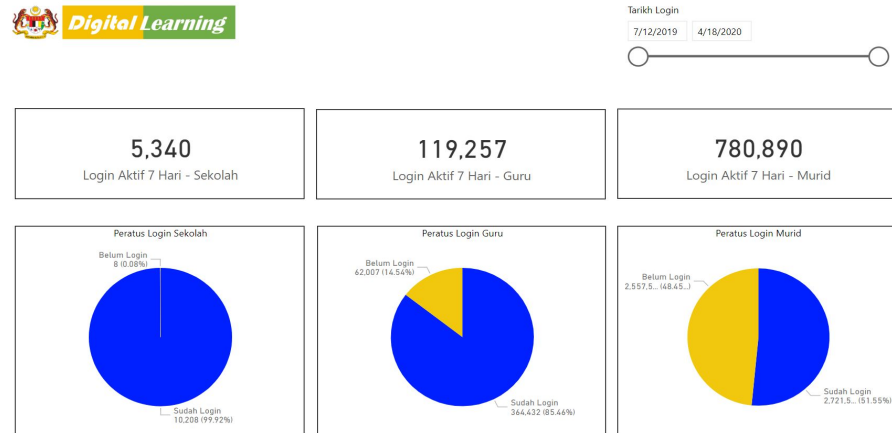
Insights



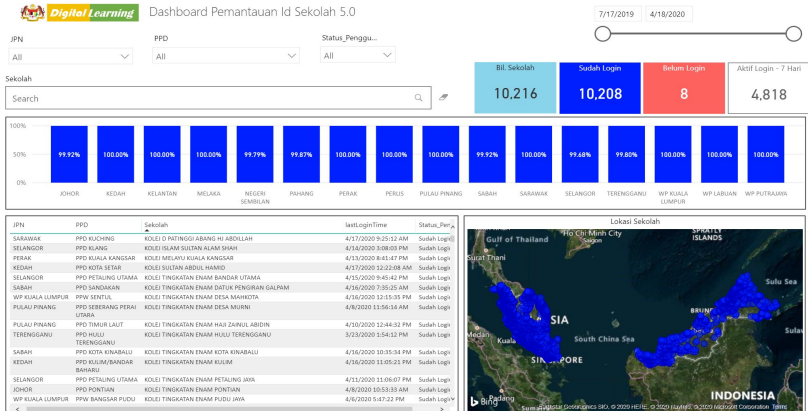
To be able to build analytics on learning



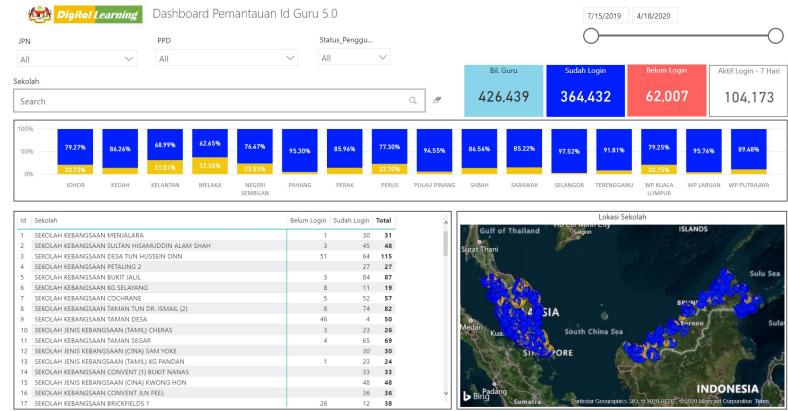
Data and analytics platforms on the cloud allow performance tracking



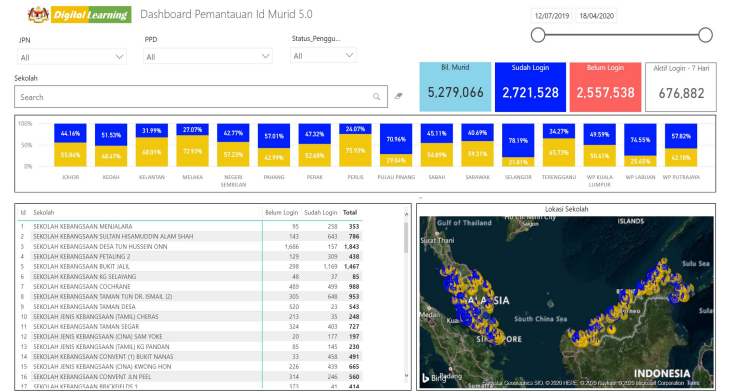
Perhatian: Dashboard ini digunakan sebagai petunjuk untuk membantu pengurusan & pengagihan id digital learning, ia bukan sebagai KPI kepada JPN, PPD, sekolah, guru dan murid. Harap maklum.



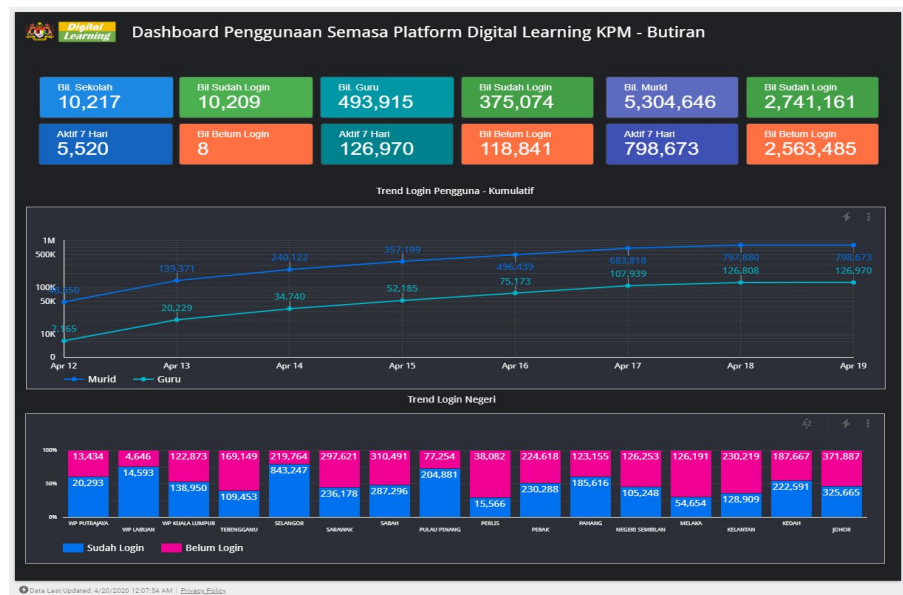
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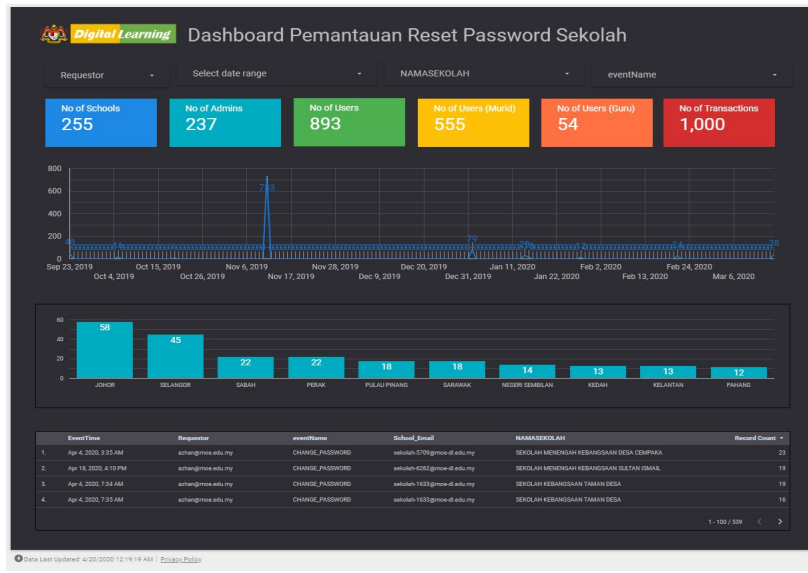
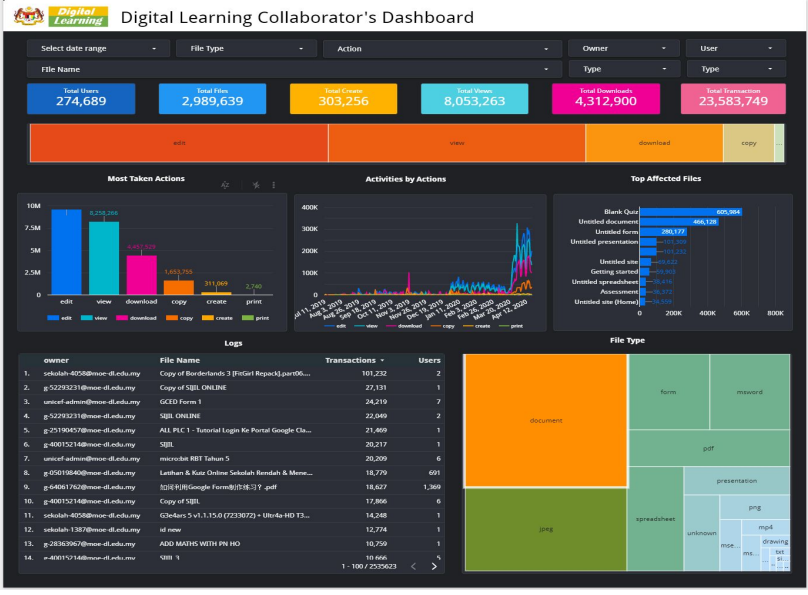
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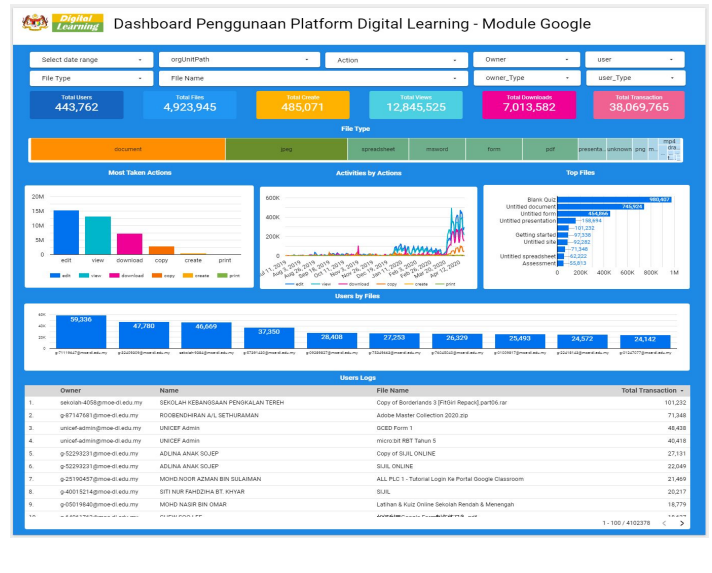
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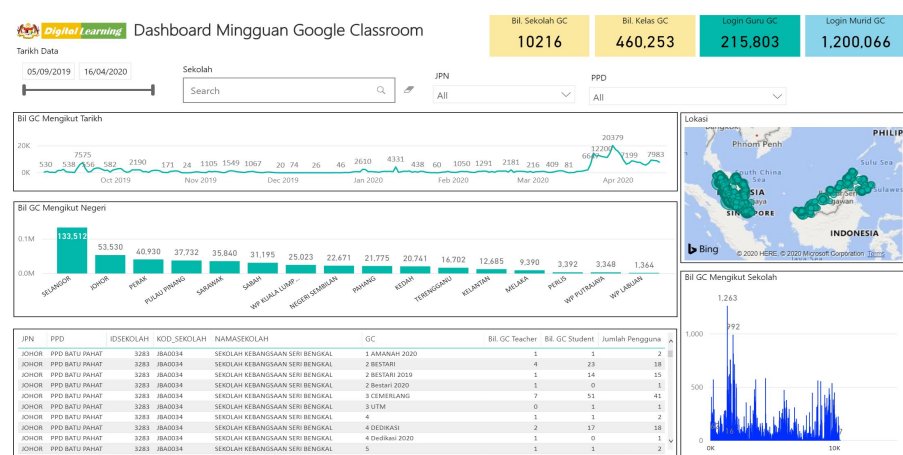
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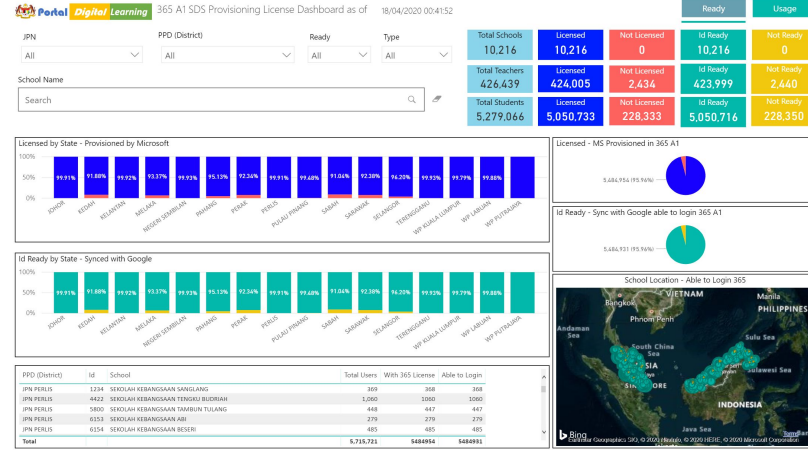
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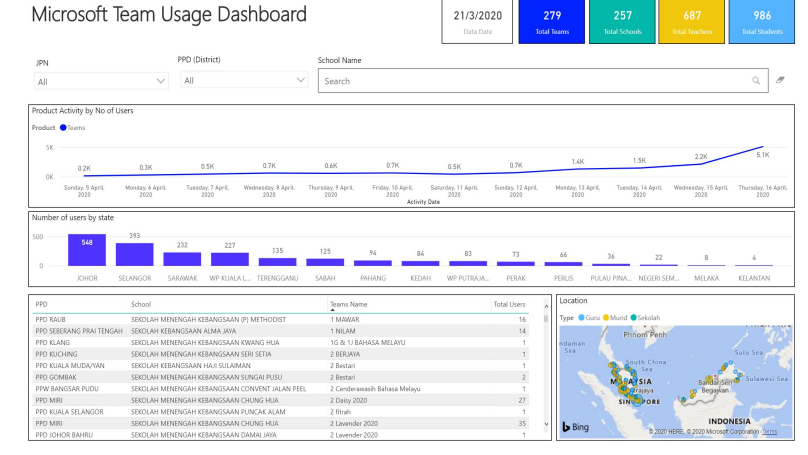
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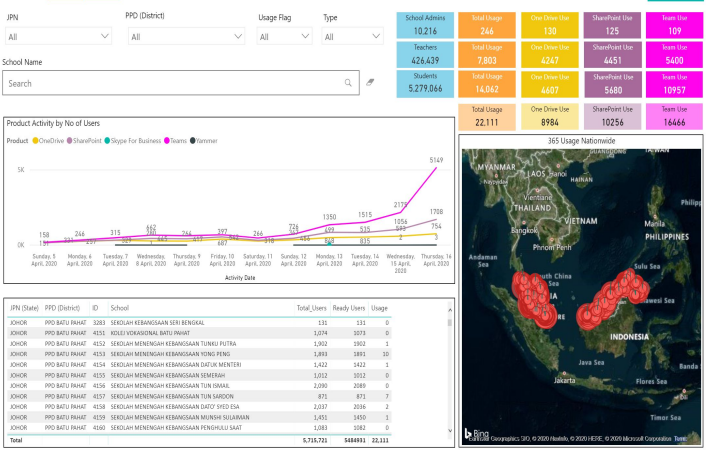
Perhatian: Dashboard ini digunakan sebagai petunjuk untuk membantu pemantauan aplikasi di portal digital learning, ia bukan sebagai KPI kepada JPN, PPD, sekolah, guru dan murid. Pemantauan ini diwujudkan untuk memastikan ketidakhadiran PDP yang disediakan tidak disalah gunakan. Harap maklum.



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Higher Education Current Landscape



Public Universities on Google Workspace

Proprietary + Confidential



149K



3K



12K



7K



16K



25K



15K



3K



13K



9K



29K



16K



42K



16K

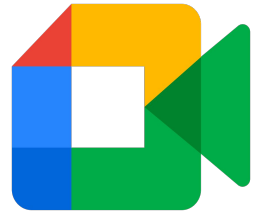


25K

*Based on Latest Report dated 18th September 2022

Google Cloud

Usage example:



- **Online teaching & learning** medium
- Meeting
- Low Bandwidth Usage



- Storage of teaching/lecture materials
- Sharing notes and assignments
- Integration with LMS/ Google Classroom



- Official institutions email
- Communication between educators and students

Gemilang Program

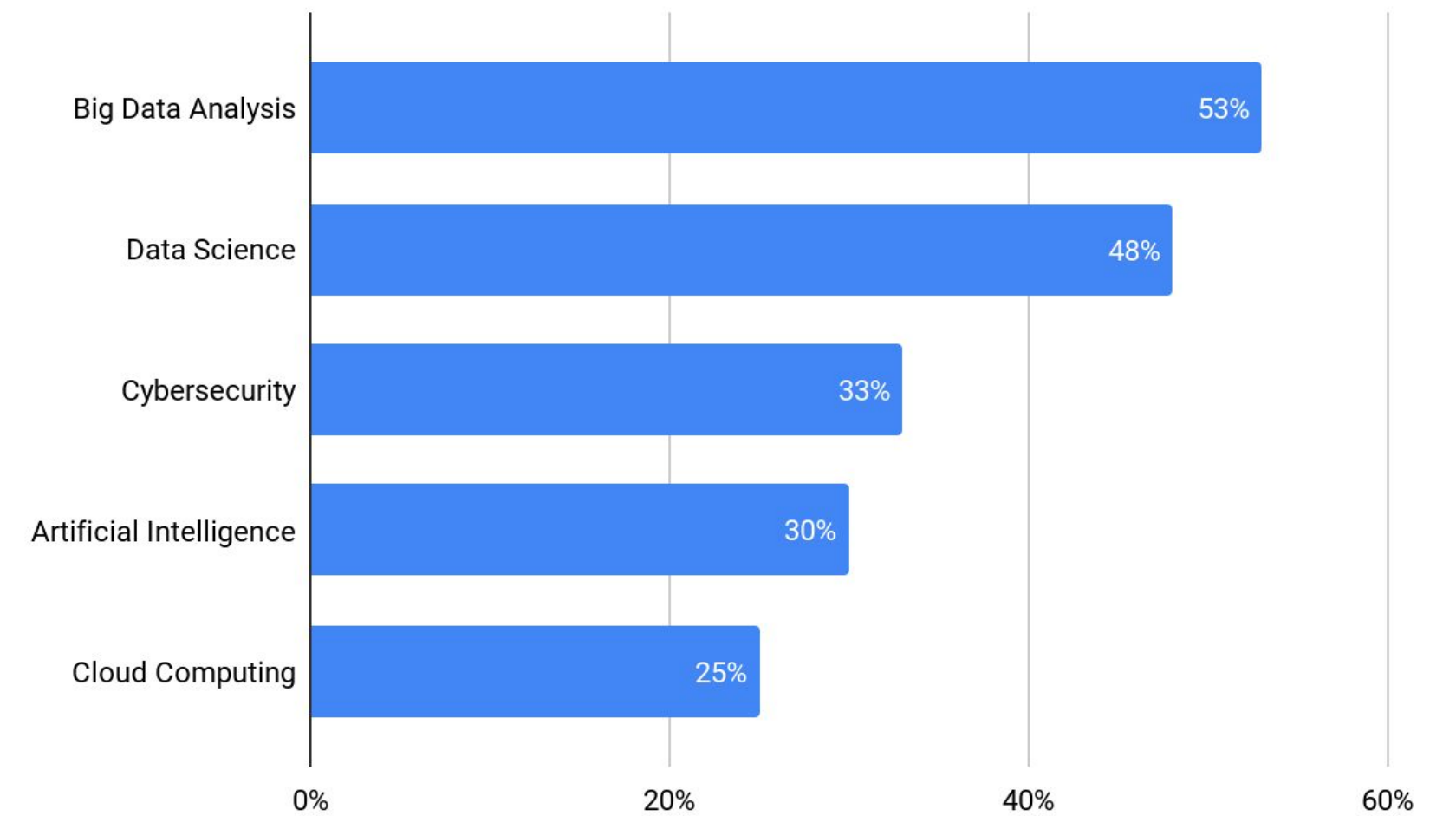


Supports government's vision in building agile and competent digital talent, focusing on B40, Women, and Rural

Digital skills identified as being in high demand

- 1 | Big Data Analytics
- 2 | Digital Marketing
- 3 | Artificial Intelligence

Top 5 tech roles remain vacant for more than 3 months



Source: [Digital Talent Survey](#), Strategic Change Management Office, Planning Unit and the Social & Economic, Research Initiative (SERI)

A decorative graphic at the top of the slide features a light blue line graph with several data points. The points are represented by colored shapes: a blue circle, a green circle, a yellow square, and a red circle. The line starts at the green circle on the left, goes down to a green circle on the right, and then continues horizontally to another green circle on the far right. The text '70%' is centered below the graph.

70%

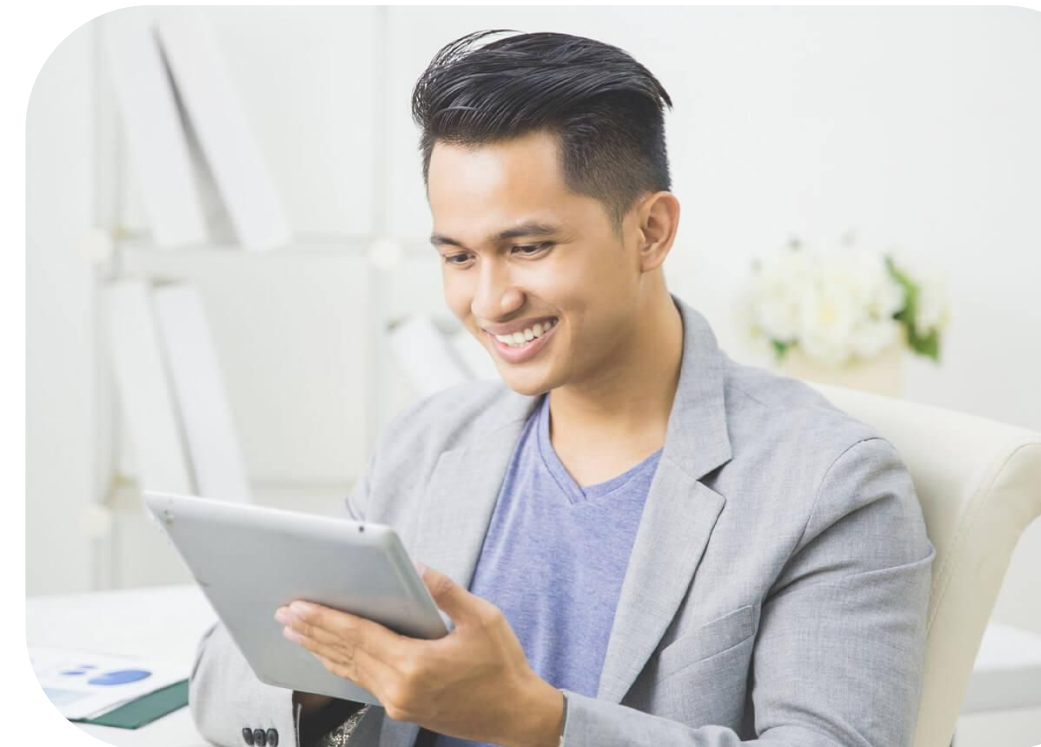
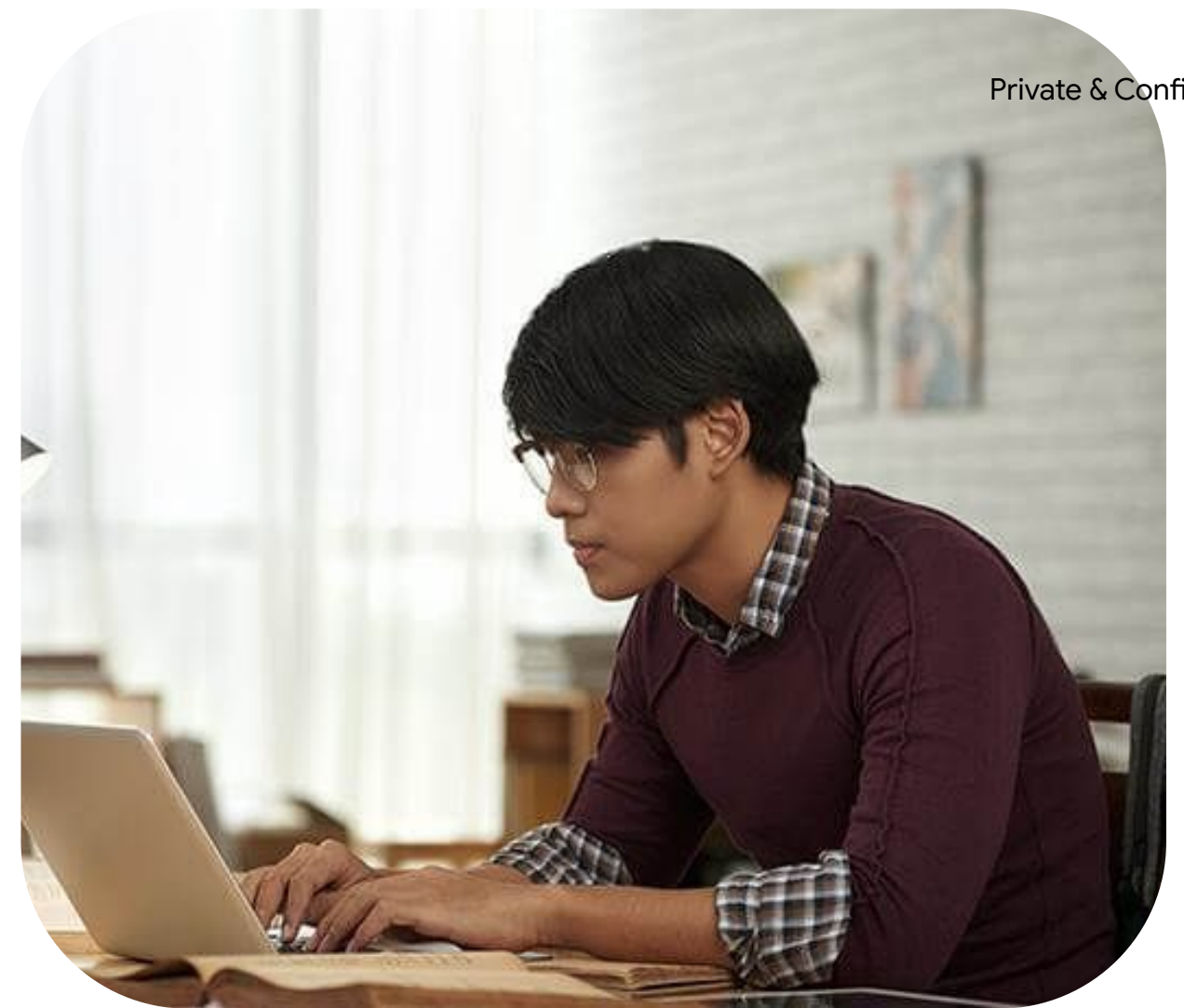
of IT leaders report that finding qualified cloud computing talent was a top challenge

Source: Global Knowledge, [2019 Global IT Skills and Salary Report](#), March 2019

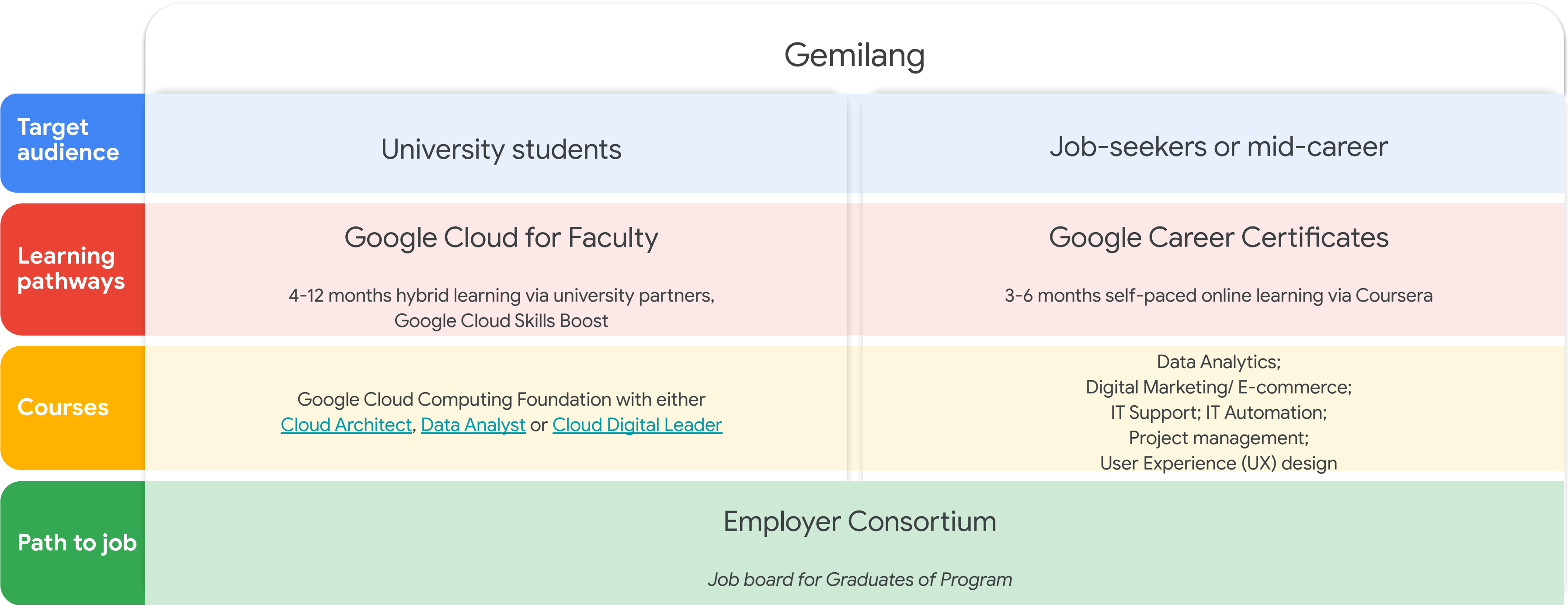
Working together to create economic opportunity for everyone

Gemilang prepares Malaysians from all walks of life for employment in the following fields through globally recognised programmes and matches them with employers:

- Data Analytics
- Digital Marketing / E-commerce
- User Experience (UX) design
- Project Management
- IT Support
- Cloud Engineer



Graduates from the programme will have a chance to apply on a job board with top employers in the country



Gemilang Employer Consortium



CARSOME

fave

Jirnexu



MEDIABRANDS



PETRONAS



Star
MEDIA GROUP

STOREHUB



Thank you!





PRODUCTIVITY & COLLABORATION WITH GOOGLE WORKSPACE



Patrick Yeoh
Google Workspace Engineer
PointStar



PointStar

About Our Company

Founded at Year 2008 in Singapore, PointStar is the one of the region's earliest technology providers in cloud solutions. We have transformed over 3000 business organizations and institutions across the globe with industry-leading cloud services from technology giants like Google Cloud, Oracle NetSuite, Cisco and more.

PointStar has expanded beyond Singapore with establishment in Indonesia and Malaysia. We are now having more than 170 employees across three countries and 7 offices.

Our Vision

To become the world's most innovative cloud solutions provider that helps customers to transform for profound business betterment.

We shall develop total innovative workplace solutions with latest integrated hardware, software and cloud technologies.

Our Mission

Our purpose is to help companies run business better by providing diverse cloud solutions and services that meet their business needs.

We are committed to support customers to embark the digital transformation journey with world-class innovative cloud solutions.

Our Credentials as Google Premier Partner

As a Google Premier Partner, our team of sales professionals, consultants, architects and engineers are well certified by Google.

Our mass experience in working with thousands of customers is an assurance of our success in customers' cloud transformation journey.



Google Cloud Partner



Google for Education Partner



Google Certified Cloud Architect

7



Google Certified Data Engineer

5



Google Certified Collaboration Engineer

>25



Google Certified Educator Trainer

4



Google Specialization Work Transformation

Introducing the new Google Workspace product suite



Gmail



Calendar



Drive



Collaborative content creation tools*



Google Meet**



Docs



Sheets



Slides



Sites



Forms



Google Keep**



Chat



Voice



Admin



Google for Education






20+ ways to use Google Workspace



Multiple reasons why Chrome






SPEED



-  Boots in seconds
-  Fast out the box
-  Faster over time
-  Optimized for the hardware
-  Designed for the cloud



SIMPLICITY



-  Familiar UI
-  Chrome sync
-  All your data backed up
-  Easy to manage and deploy
-  Easy to share and replace





SECURITY



-  Verified boot
-  Google Security Chip (GSC)
-  Encryption
-  Sandboxing
-  Automatic Updates

SHAREABILITY



-  Cloud-based profiles
-  Easy to share
-  Public Session
-  Choice

Manage Chromebooks with the **Chrome Education Upgrade**



[Learn more about managing devices](#)

Unlock the full capabilities of Chrome OS to give users the resources to focus on learning outcomes

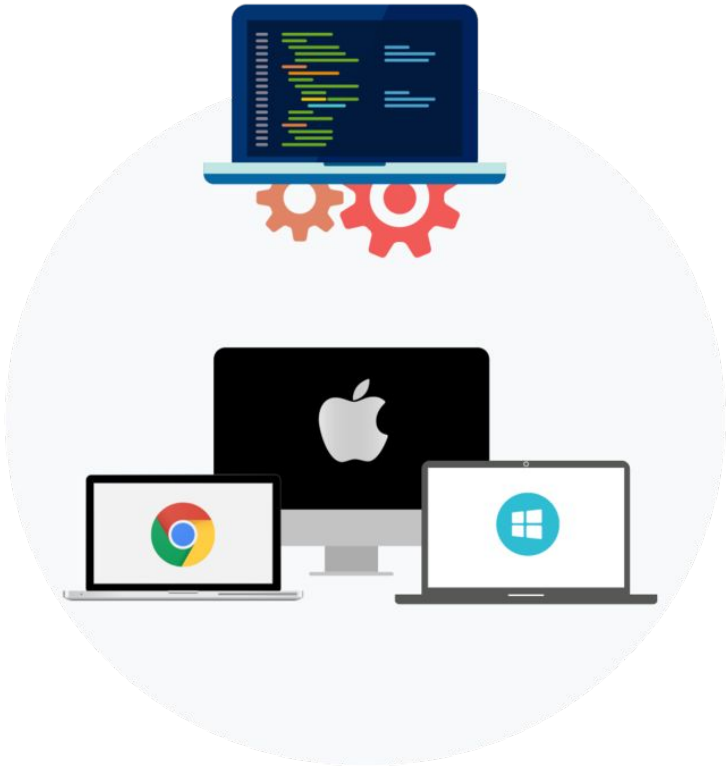
- **Managed access** puts IT in control of what users access
- **Simplified deployment** gives IT access to device policies
- **Advanced security** ensures school data is always safe
- **24/7 IT admin support** at no additional cost



Tight On A Budget? Consider Chrome OS Flex for Education

Chrome OS Flex turns **any computer into a Chrome device**

Save budget, expand device access, and extend the life of your school's PCs and Macs by converting them to the Google Chrome ecosystem with Chrome OS Flex.



Cost Effective Solution

Total Cost Ownership

Committed to Co-Invest



DEMO SESSION:

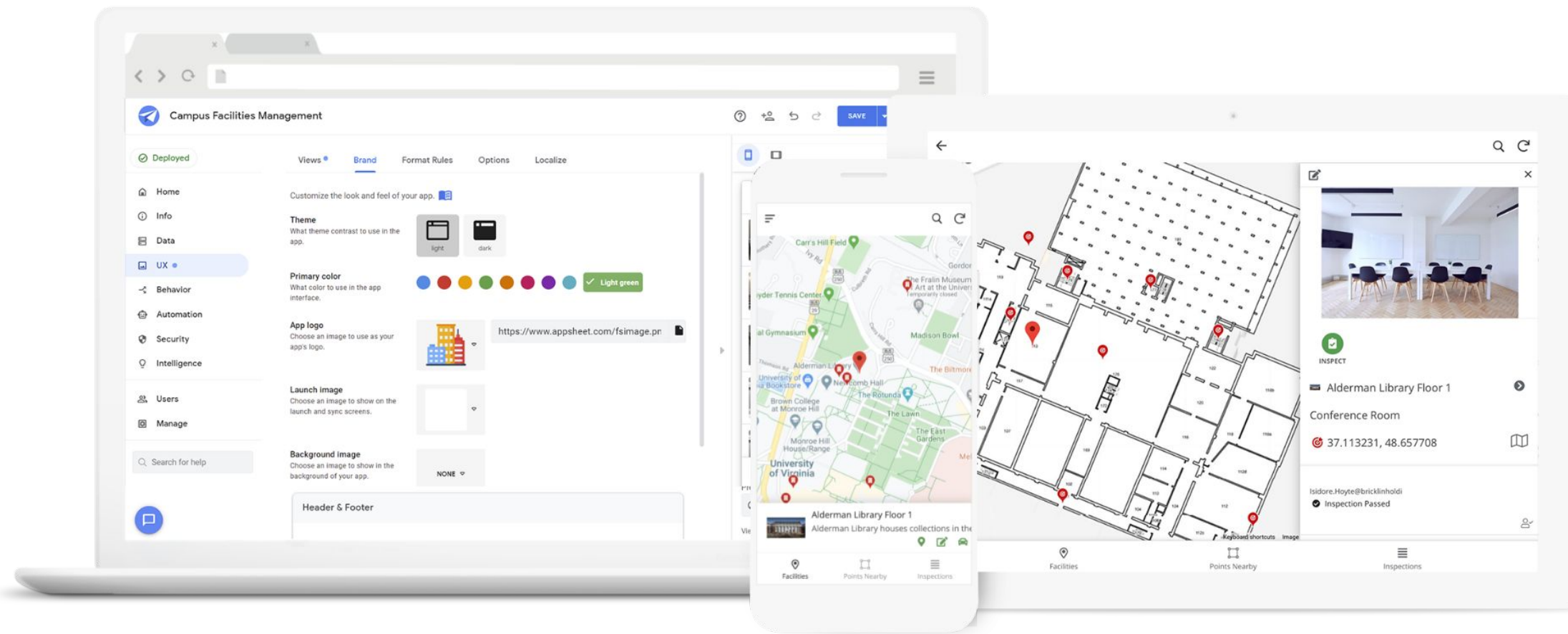
Automation with No Code App Development

AppSheet

Digital Transformation
For Modern Schools
With no-code platform



AppSheet: Reclaim time and talent with Google's no-code development platform

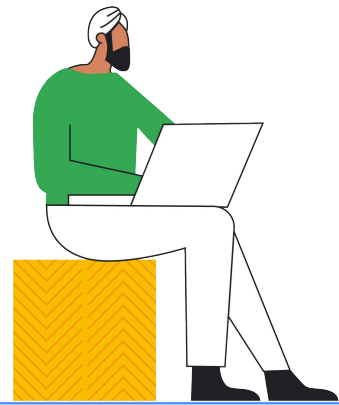
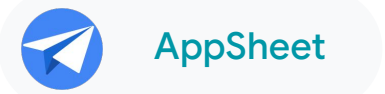


Simplify work with apps and automations that let educators and front office work smarter and more efficiently

Reduce time to value with a no-code platform that anyone can learn

Build custom solutions that integrate with the software and data you're already using

AppSheet for All Industries



In the field

- Inventory tracking
- Driver dispatch & logistics
- On-site services
- Field resource management
- Asset management



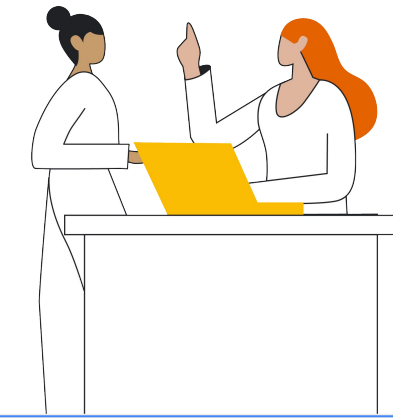
On the floor

- Safety inspections & quality assurance
- Facilities & maintenance
- Equipment inspection
- Contractor management



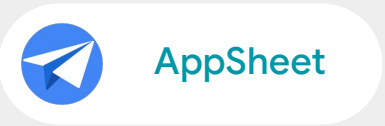
In the office

- Team approval workflows
- Project management & collaboration
- Budget planning & tracking
- CRM add-ons
- Visitors Check-In

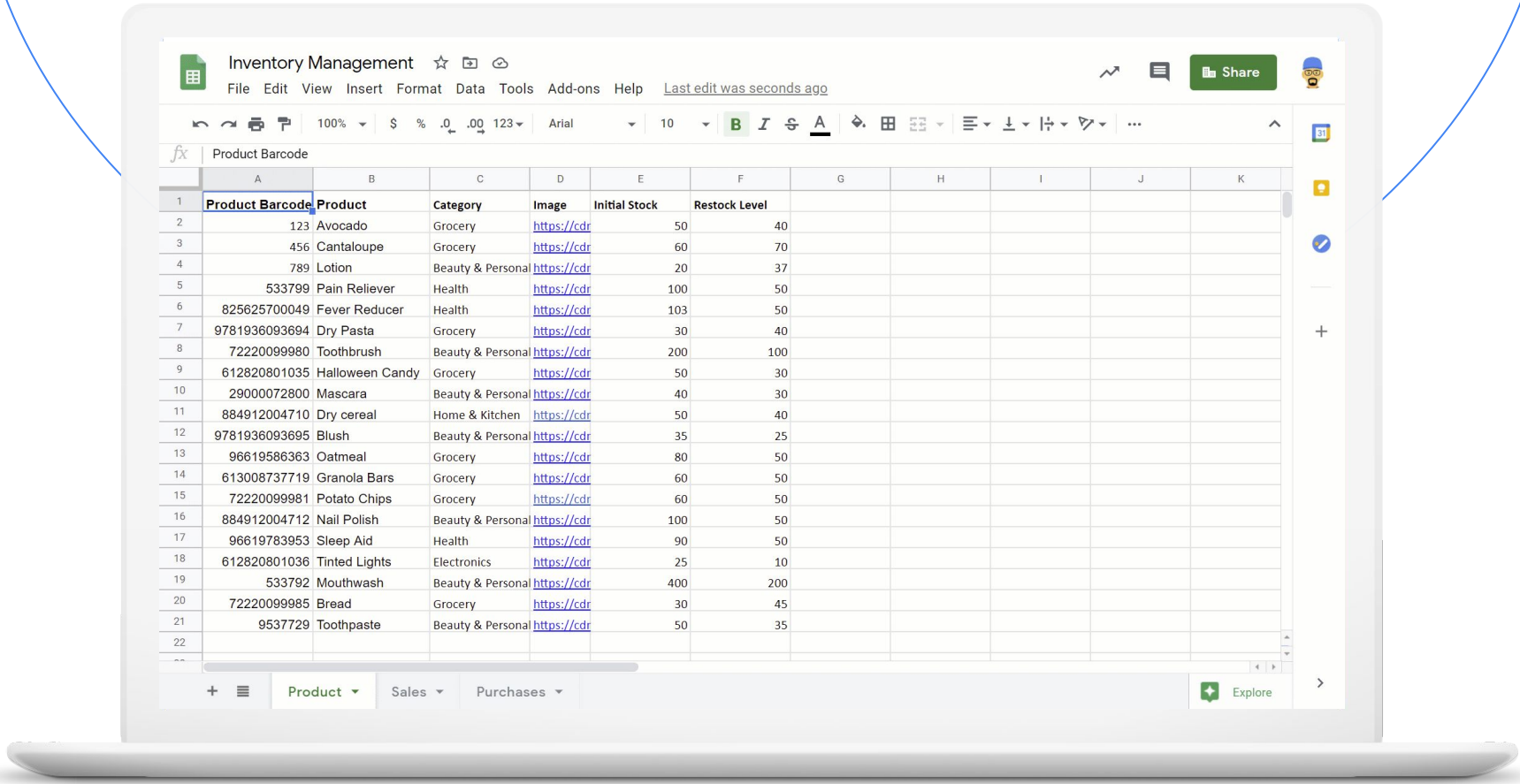
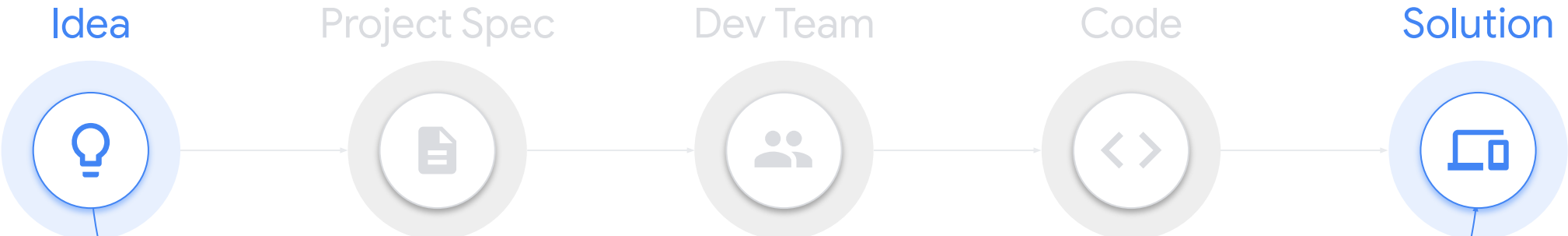


Out with customers

- Event management
- Proposal & quote generator
- Sales enablement & support
- Scheduling
- Onboarding & training



Build fast with an enterprise-ready no-code platform



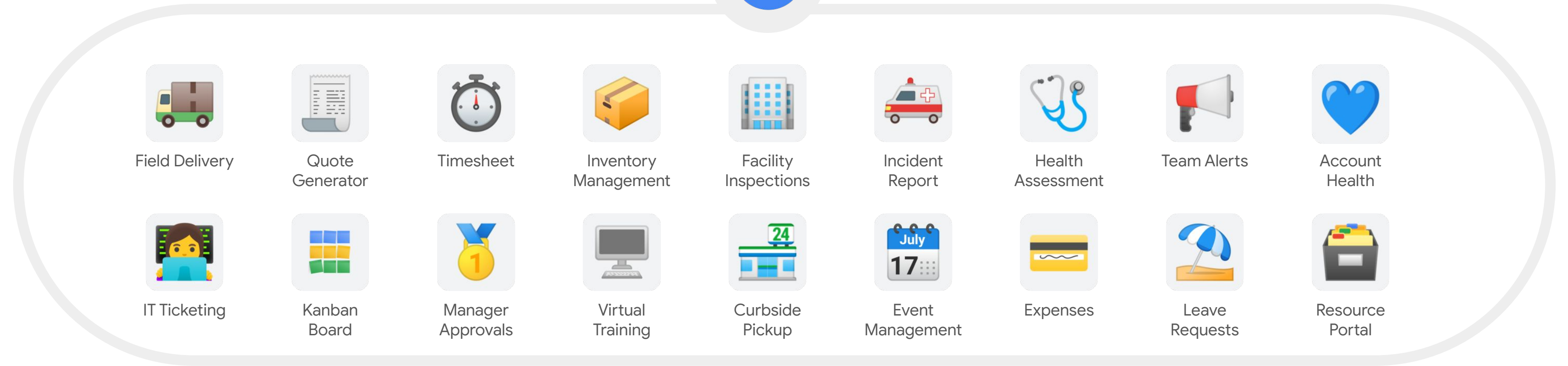
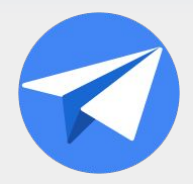
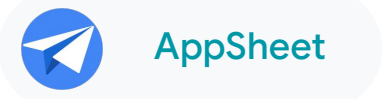
- ✓ Intent-aware platform
- ✓ Eliminate code debugging
- ✓ Enterprise-grade support
- ✓ Reduce development life cycle

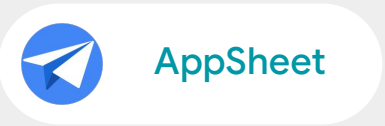
Scale innovation



01

Extend Google Workspace with custom apps and automation





Build from and connect to **common data sources**

Spreadsheets



Google Sheets and Drive



Excel on Office 365



Excel on Dropbox



Excel on OneDrive



Excel on Box

Databases



SQL Server



mySQL



PostgreSQL



AWS DynamoDB

APIs and other platforms



Apigee



Smartsheet



Salesforce



Airtable



OData

Best-in-class security

02

Your data **is yours**, always



No ads, ever

Google does not collect, scan, or use your data in AppSheet for advertising purposes, and Google does not display ads in AppSheet apps or the editor.



You own your data

The data that companies, schools, and government agencies put into AppSheet is not controlled or managed by AppSheet - you retain full control.



You stay in control and in the know

You can revoke AppSheet access to your data any time. Audit logs allow for full traceability of data changes.



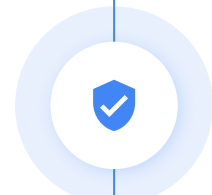
Your data is always accessible

AppSheet commits to high availability, even when Google is upgrading the services or maintaining the systems. Your data is stored outside of AppSheet.

A more secure, reliable, and compliant platform that **you can trust**



Reduce risk with intelligent insights



Help keep users secure with proactive protections



Centralized manageability with simple controls



Prevent malicious apps from running



HIPAA BAA available



SOC 2 Type 2



FEDRAMP



ISO 27018



ISO 27001

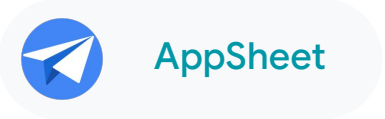


ISO 27017

Why choose AppSheet

04

A leader in the no-code/low-code space



"Google AppSheet leads with process automation, AI, and a tight integration to Workspace."

"AppSheet's vision for AI-infused-and-supported citizen development is unique and particularly well suited to Google. The tech giant's deep pockets and ecosystem give AppSheet an advantage in its path to market, market visibility, and product roadmap."

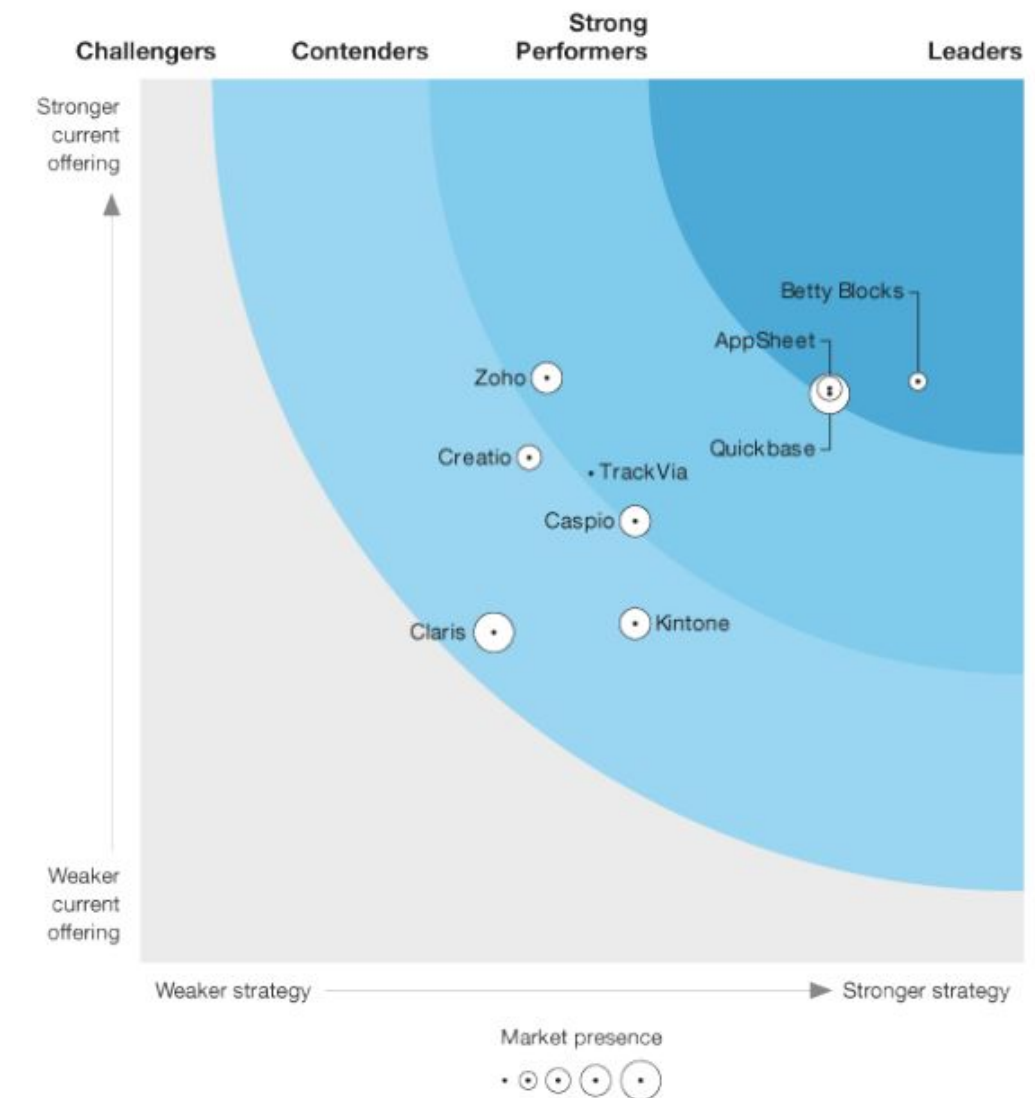


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THE FORRESTER WAVE™

Low-Code Platforms For Business Developers

Q4 2021



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AppSheet Use Case Examples In Education



05

“[An app] like this would be a great gift,” to other students, Sean said in a [Touro Triumphs](#) article. Sean presented his learning app to Touro University California faculty and then rolled it out at the Innovations in Medical Education Conference at the Keck School of Medicine in Los Angeles in February 2020.



Connecting
related medical
conditions and
concepts with
AppSheet

“I help other teachers learn and grow with technology to use with their students,” says Erin, a [Google Certified Educator](#). In early 2020, she transitioned from working in elementary schools to helping high school teachers master their school’s learning management system.



“I moved to the high school a week before COVID took over the world,” Erin says. “I’m trying to help teachers work smarter, not harder. They’ve been forced to use technology for virtual teaching or hybrid learning. They are stressed and overworked. I thought, ‘How can I help them?’”

Erin has helped teachers navigate the previously uncharted waters of teaching online via video conferencing. “A lot of them will say, ‘I don’t do technology,’” Erin says. “But they literally are doing all the technology right now. I show them new things apps and other digital tools can do in little snippets, so as not to overwhelm them.”

Reference: <https://blog.appsheet.com/north-carolina-teacher-creates-student-car-rider-app-with-google-clouds-appsheet>

Choosing AppSheet: Streamlining the after-school pickup process

AppSheet Application Demo

1

Understanding AppSheet Development Concepts

2

Demo App Step 1: Copy and Customize from AppSheet Templates

3

Demo App Step 2: Data Connection, UI/UX, Automation Workflow

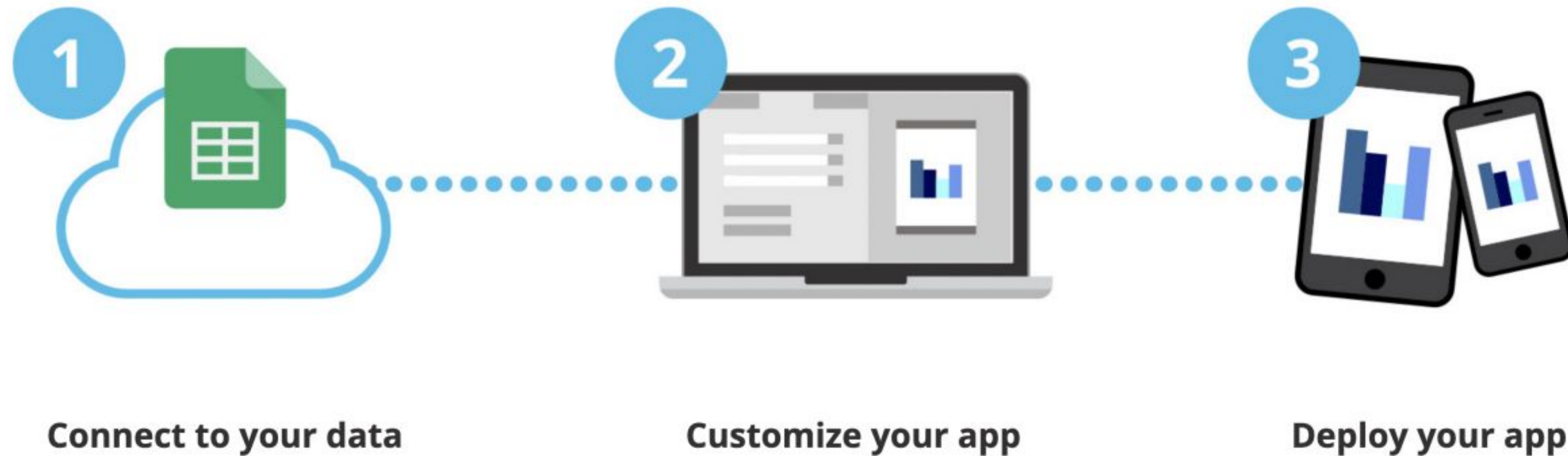
4

Demo App Step 3: Deploy and Share Your Application



AppSheet Development Concepts

The application creator goes through the following **3 steps** to create an application.



subsequent improved versions of the app continue to be developed in this rapid iterative fashion.





Copy and Customize

01



Show AppSheet Templates and Filtering



Search for Visitors Check-ins Sample Application



Copy the Application!





Customize Your Application

02



Show Data Connection to spreadsheet



UI/UX



Workflow Automation





Deploy and Share Your Application

03



Deployment Checking



One click to deploy the application!



Share Your Application





DEMO SESSION:

Simplified Reporting Dashboard & Data Visualization

The data paradox: We have more than ever, yet are not utilizing it

In the age of big data, there's a clear need for technology that helps organizations **turn data into actionable insights** and that **normalizes data-driven decision-making**.

However, many existing solutions are **too complex** for employees without specialized skills.



“To innovate their way beyond the post-COVID-19 world, data and analytics leaders require an ever-increasing velocity and scale of analysis in terms of processing and access to succeed in the face of unprecedented market shifts”

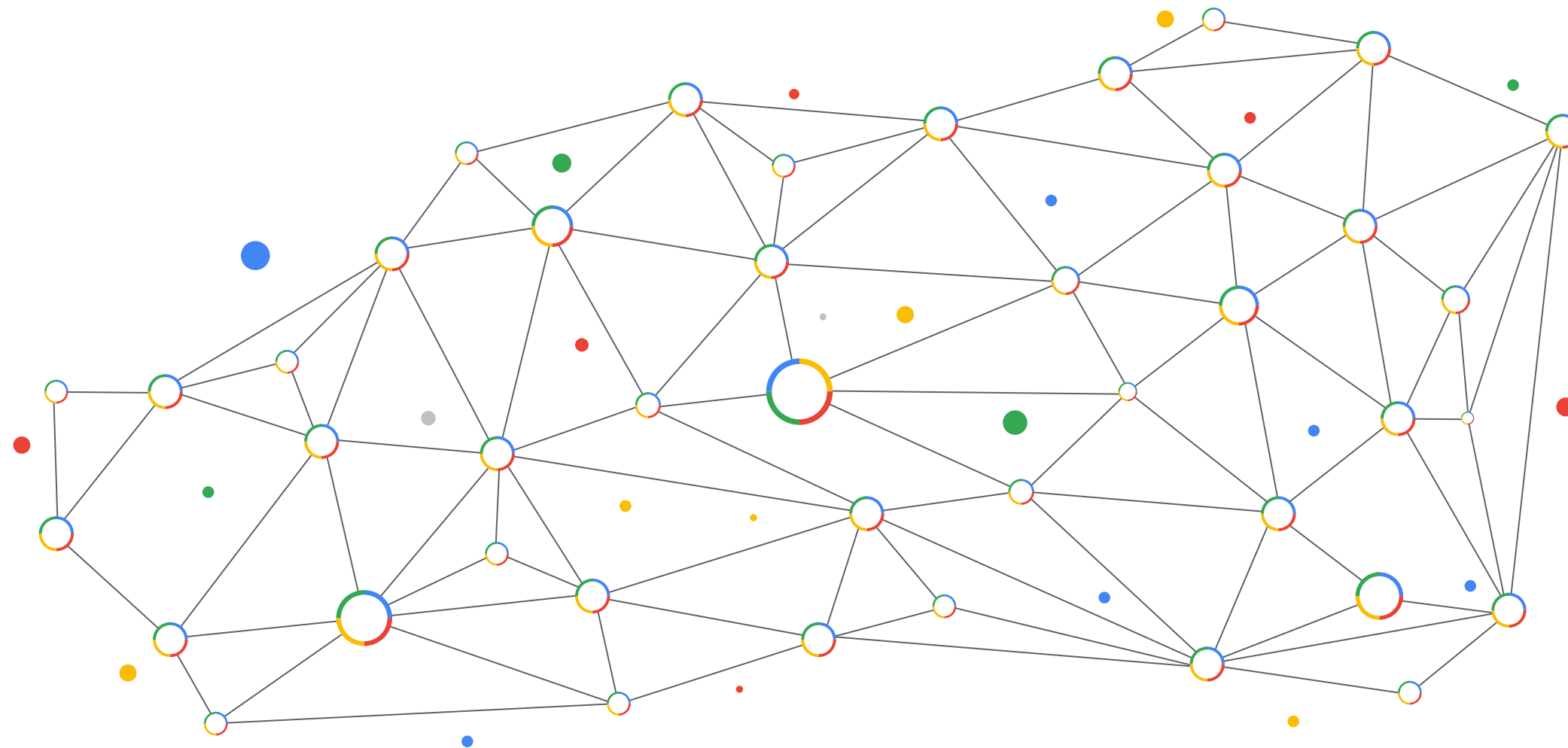
[Smarter with Gartner, Gartner Top 10 Trends in Data and Analytics for 2020, June 9, 2020](#)



What if **anyone** in your organization could analyze data, at scale, and make more informed, fact-based decisions?



Accelerate your own **data culture** with Google Cloud



1

Operate with
trust

2

Democratize
insights

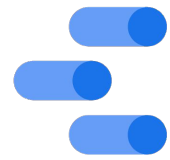
3

Increase business
ease

4

Apply
intelligence

Powering your Analytics



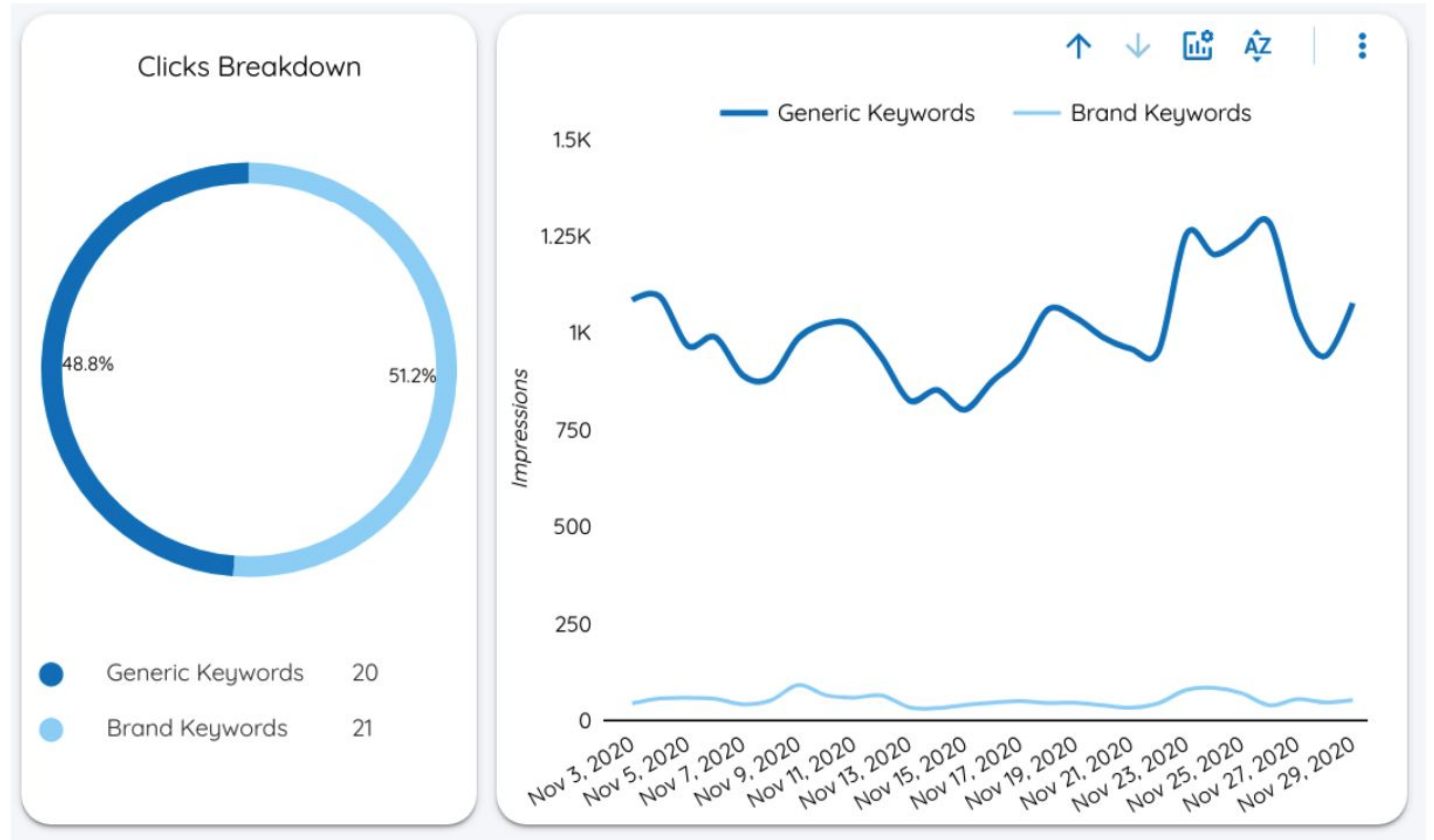
Data Studio

Dashboarding, tells great stories
with your data



Google Data Studio

- Easily connect to a wide variety of data sources (BigQuery, Google Sheet, Google Ads & Analytics, GCP Databases, custom connectors...)
- Visual editor to create interactive reports and dashboards
- Extensive library of widgets
- Manipulate and aggregate data directly in Data Studio
- Share and collaborate in real time



Data Visualization Charts in Data Studio

Table



Scorecard



Time series



Bar



Pie



Google Maps



Geo chart



Line



Area



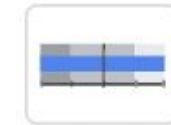
Scatter



Pivot table



Bullet



Treemap



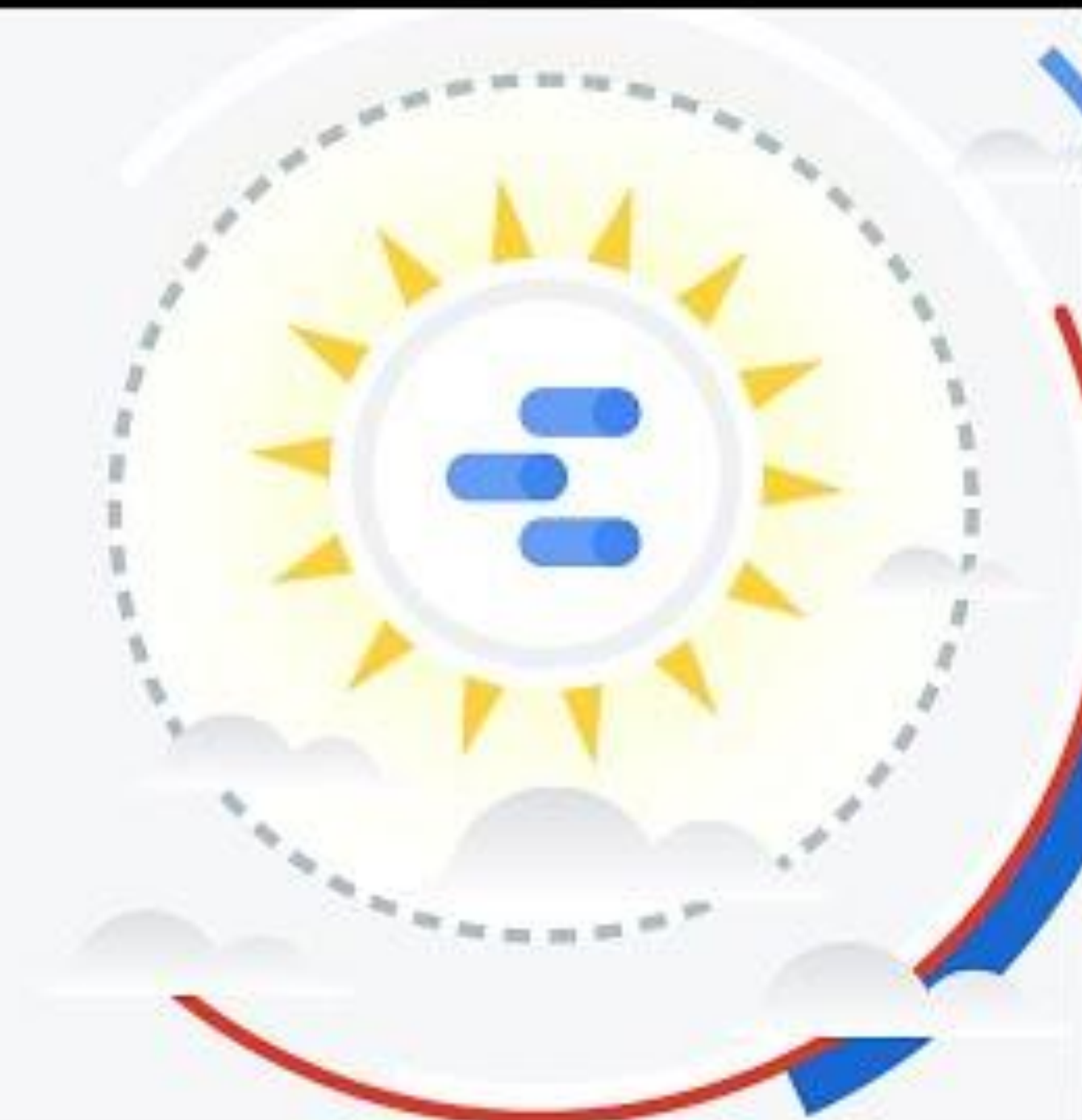
Gauge



Let's take a
tour of
Data Studio

Data Studio in a minute

Cloud Bytes



Use Case

Company A is selling home appliances, entertainments, mobiles, tablets & PCs at branches in 3 countries: Malaysia, Singapore and Indonesia.

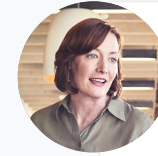
Each country has its own data sheet maintained to collect sales data from their branches.



Joanne: Country Sales Manager (Malaysia)

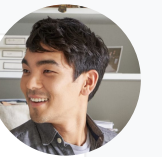


Stephane: Sales Engineer (Malaysia)



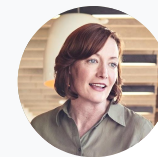
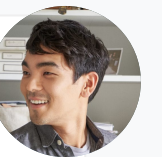
Hey, **do you know how our sales doing last quarter?** We are looking to optimize our marketing spend.

I will generate the report for you



Okay, when should I expect to receive it?

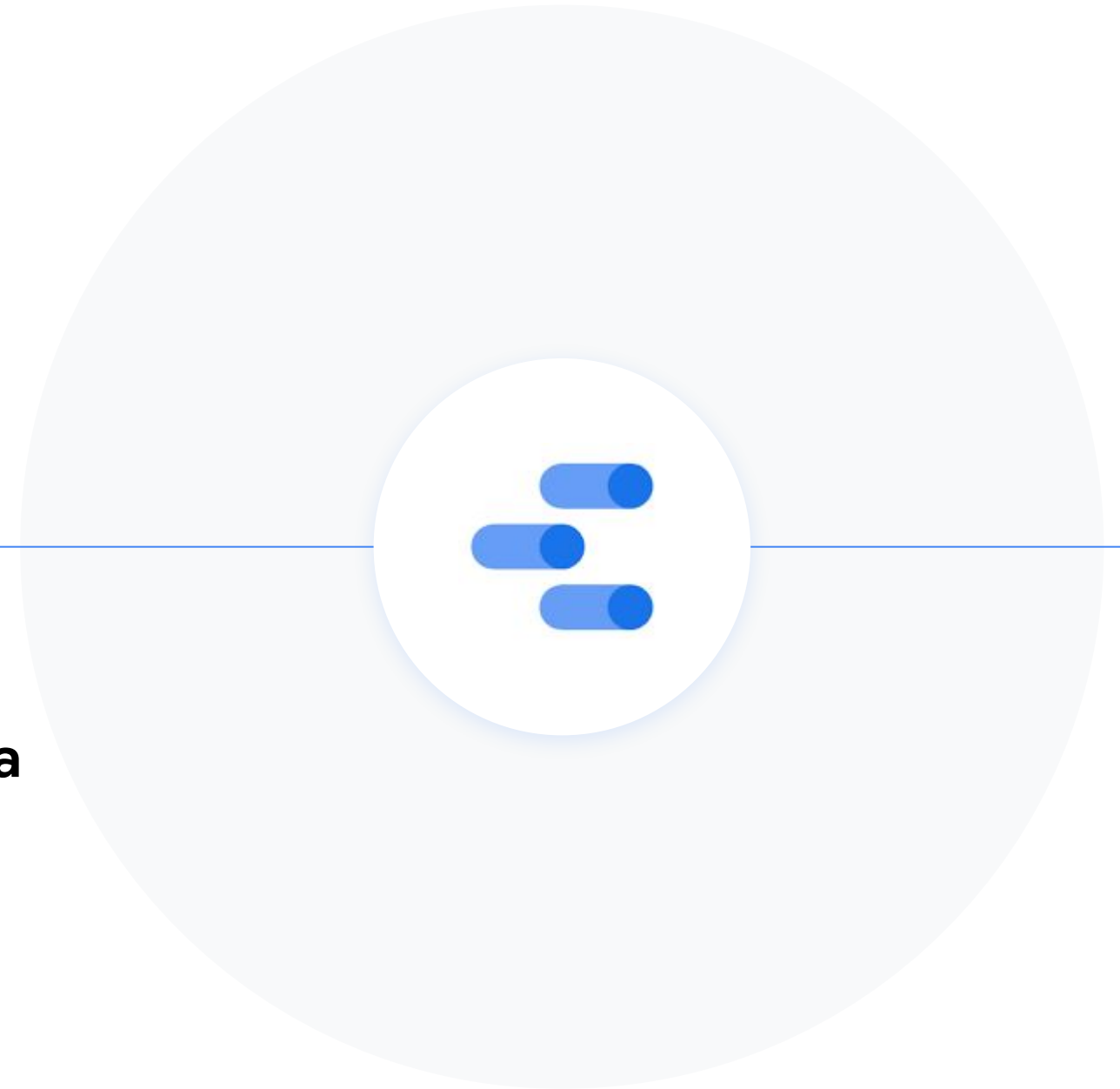
This should be done within an hour. I will create a Sales Dashboarding so you can pull the required report instantly in future!



Excellent!

Demo : Data Studio

Creating Sales Dashboard



Overview of **Dataset in Google Sheets: Malaysia Sales Data**



Navigate to Data Studio at datastudio.google.com



Connect to the dataset



Create and Customize your first report

Let's Build the Dashboard

Questions to consider



How is the sales doing over the years?



Which location has to top sales?



What is customers' preferred payment method?



Who is the top salesperson and which sales lead he/she utilized?



Data are just summaries of
thousands of stories – tell a few of
those stories to help make the data
meaningful.

Chip and Dan Heath, NYT bestselling authors

Q & A





Thank You.



Google Cloud Discovery Day:
CLOSING

THANK YOU !!!



**MAKE
THE
FUTURE
NOW**

The Digital Solutions Realization Phases



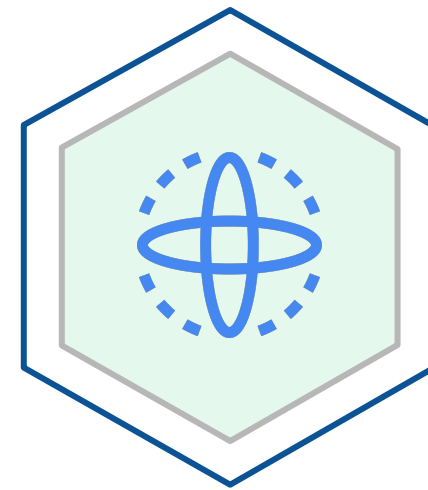
Enablement

Ensure educators have the motivation and knowledge of technology



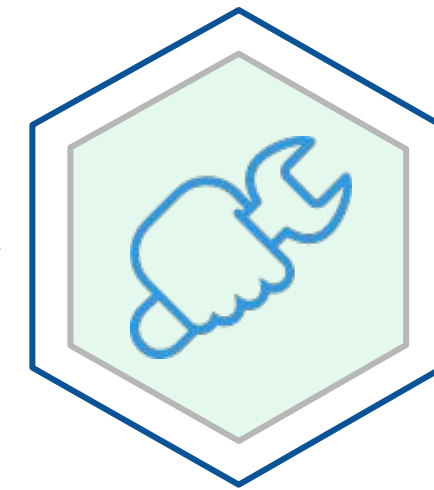
Adoption

Educators leveraging technology for new, digital ways for work tasks



Digital Readiness

Ambition to build digital solutions to processes and optimizations



Digital Transformation

Ability to create and innovate new offerings, insights and engagements



What's NEXT?

Discovery Workshop

- 1-1 In-Depth Discussions
- Business requirements and challenges mapping

Solutions Enablement

- Solutions enablement
- Core-IT / Early Adopters
- Mentoring and Training sessions

Application Pilot

- Problem Statement Identification
- Business Stakeholders involvement
- Pilot Application development and deployment

Share your feedback

Scan here:

