





Google Cloud DISCOVERY DAY WITH UNIVERSITI MALAYA 27 SEPTEMBER 2022 (TUES)

2:00PM - 4:30PM

ECONO-CUBE, UM / GOOGLE MEET

In collaboration with:



Welcome ŋ









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

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





Dr Kwek Kian Teng



DIGITAL EDUCATION LANDSCAPE & TRENDS IN MALAYSIA

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



Google Cloud

Cedric Yang



Bringing the Best of Workspace and Cloud



27th SEPT 2022

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

Proprietary + Confidential

About Google Cloud







A new cloud region is coming.





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

By FAZLEENA AZIZ

Friday, 12 Aug 2022

Related News

TECHNOLOGY

5:50 PM MYT

INTERNET 8h ago



Google Cloud regions to include Malaysia

Shazni Ong / theedgemarkets.com August 10, 2022 15:49 pm +08





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Win your next bid. Edit in Acrobat Pro DC.

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AwanBiru Technology lauds Google's cloud region in Malaysia



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

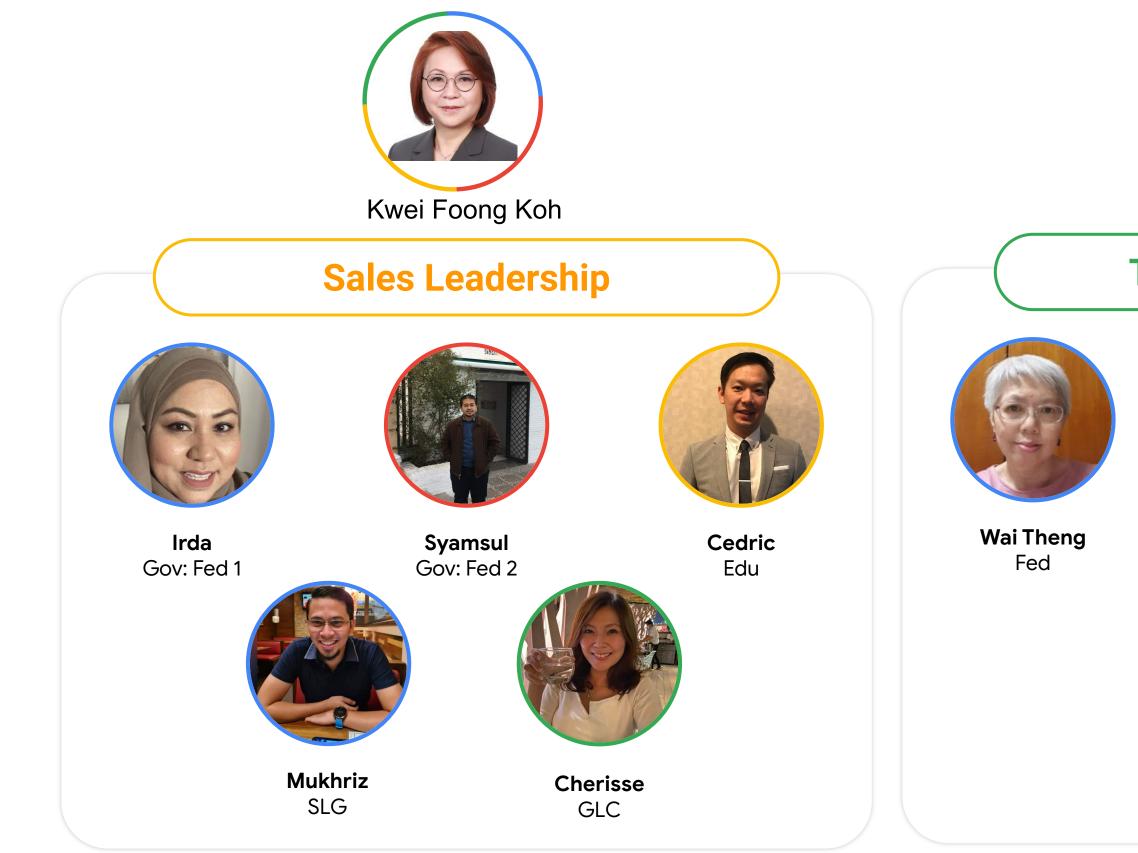




Penuhi Permintaan | Rantau awan pertama Google Cloud ke Malaysia



Google Cloud Malaysia Team



Google Cloud



Michael Hoo

Technical Leadership



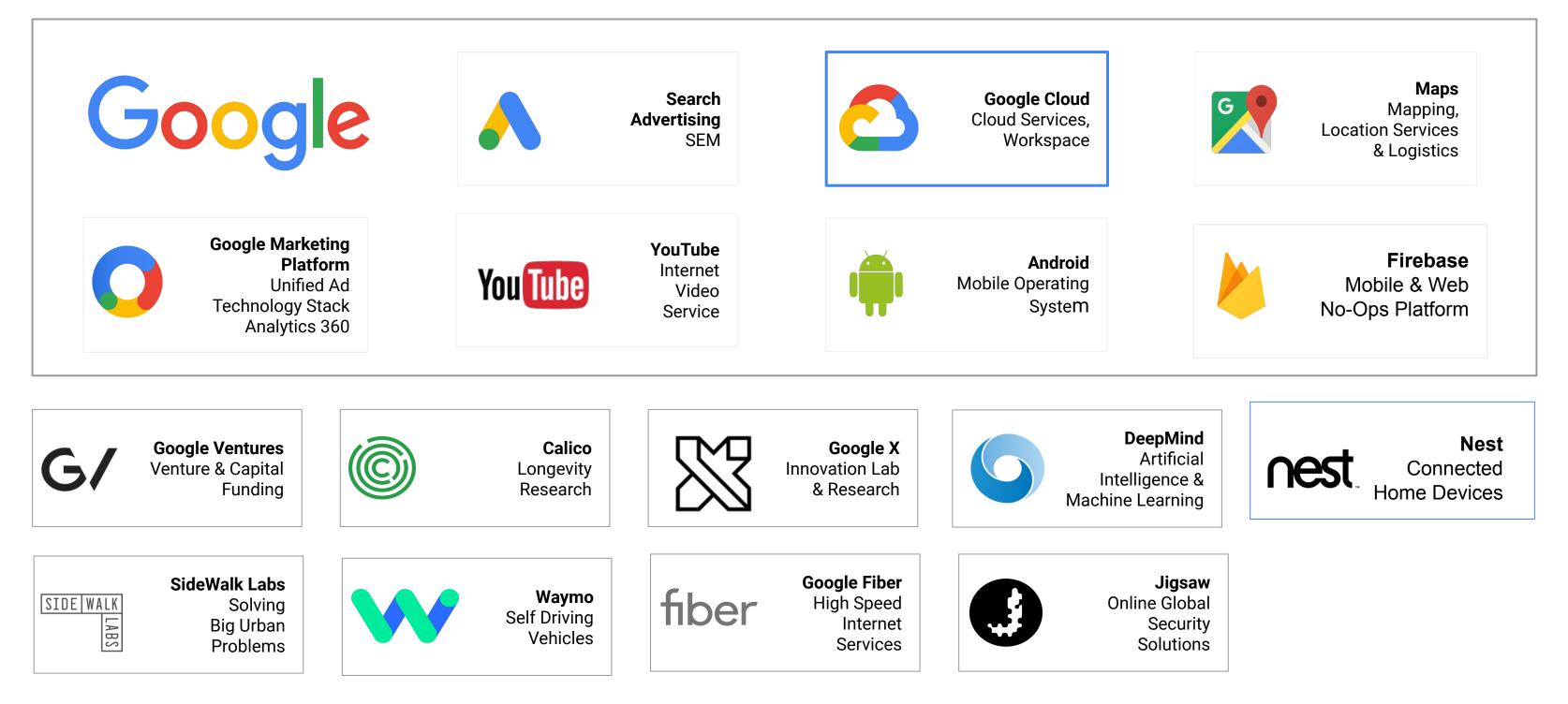
Stephen GLC



Timothy SLG/Edu

Confidential & Proprietary

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 Search

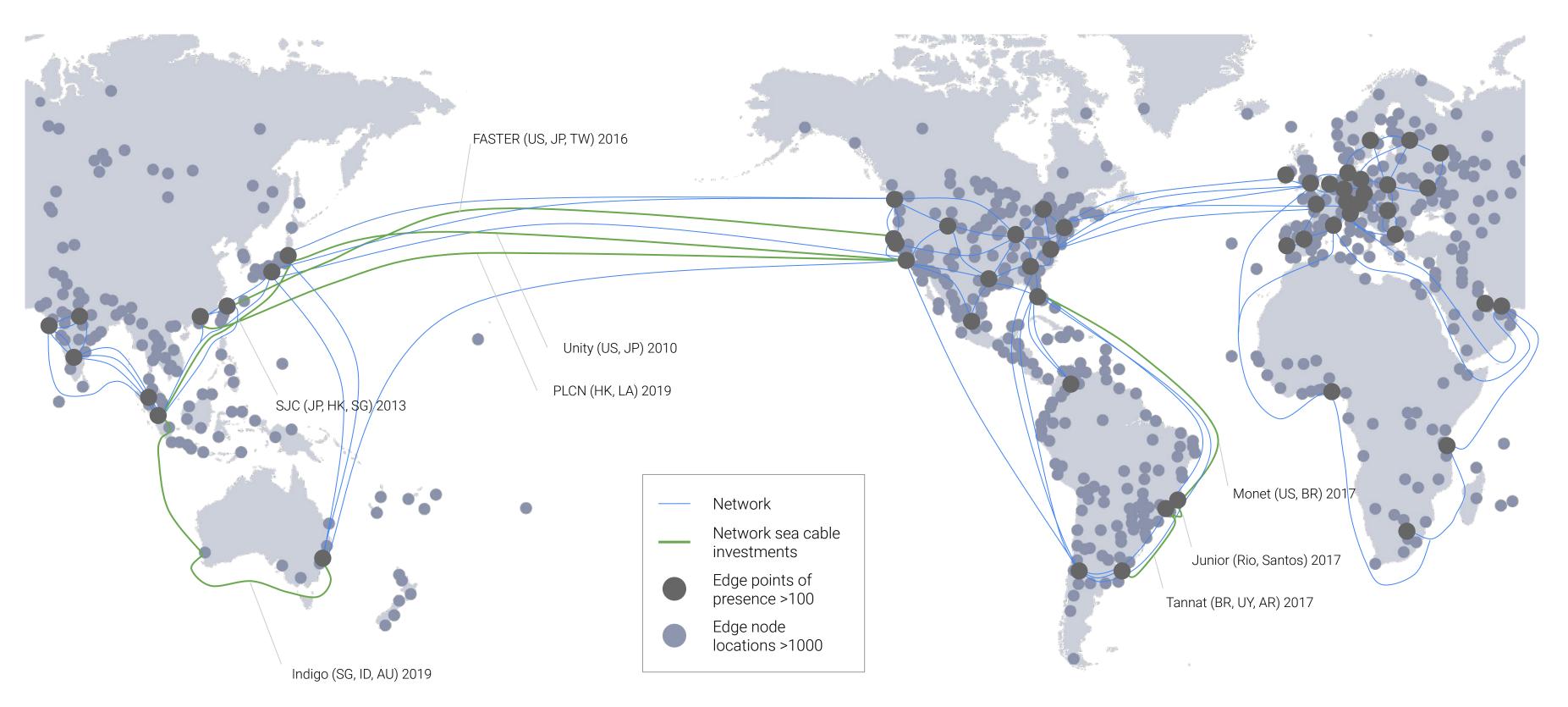
I'm Feeling Lucky

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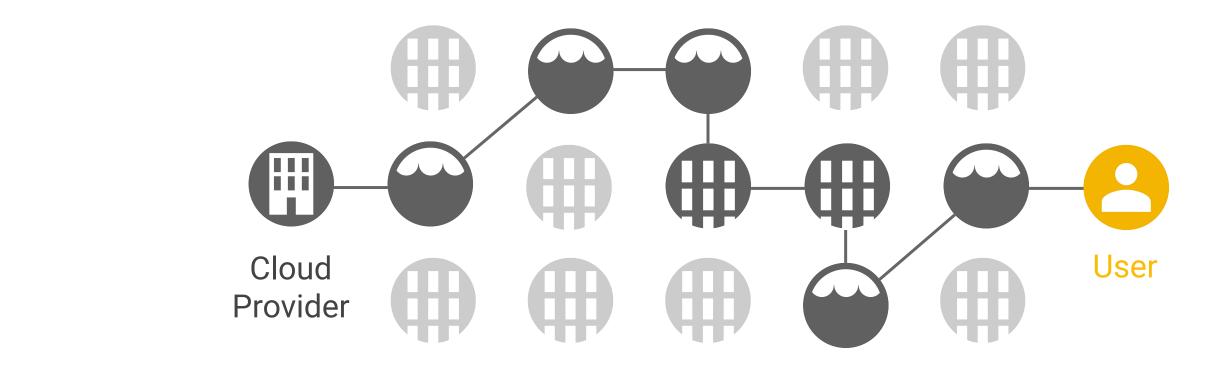
Running on Infrastructure that operates at scale

Google Cloud Network

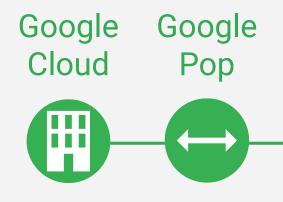


40% of world's internet traffic is carried by Google's Network, with over 50% lower data center energy consumption

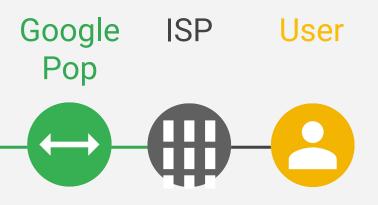
The Network Matters



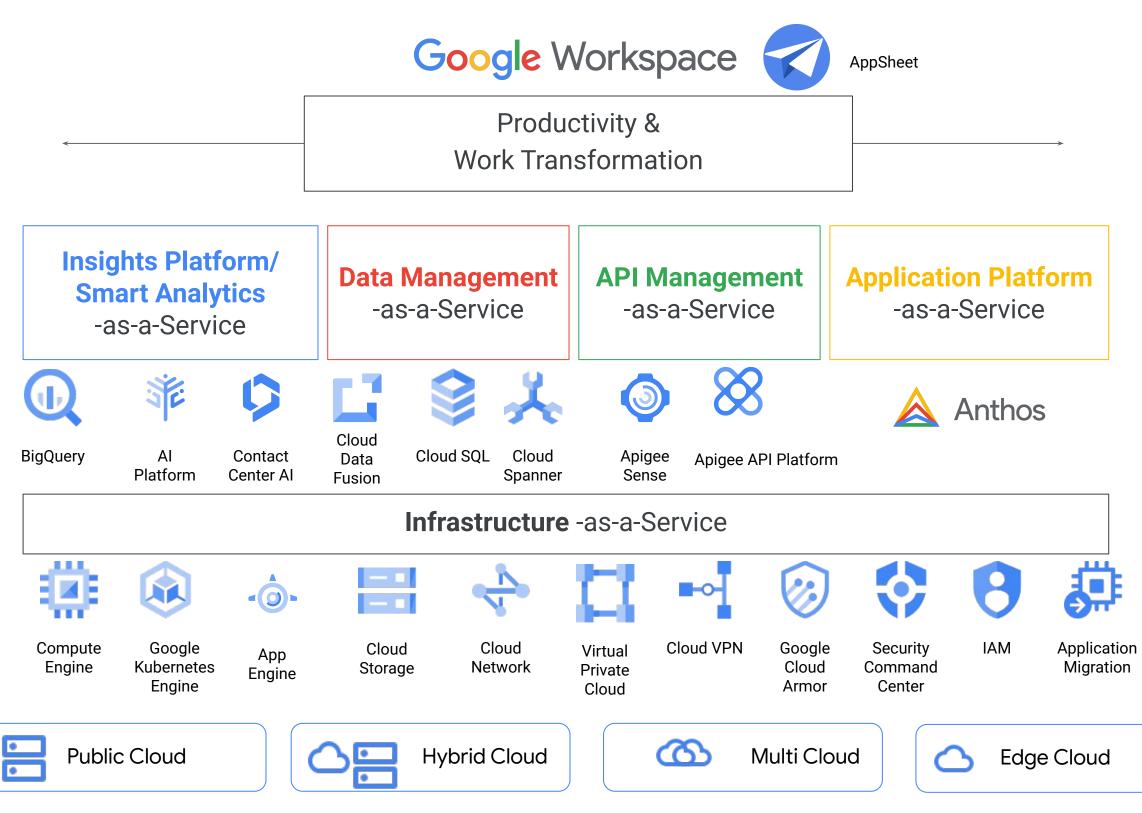
Typical Cloud Provider







Google Cloud brings the best of Google to your organization





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



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

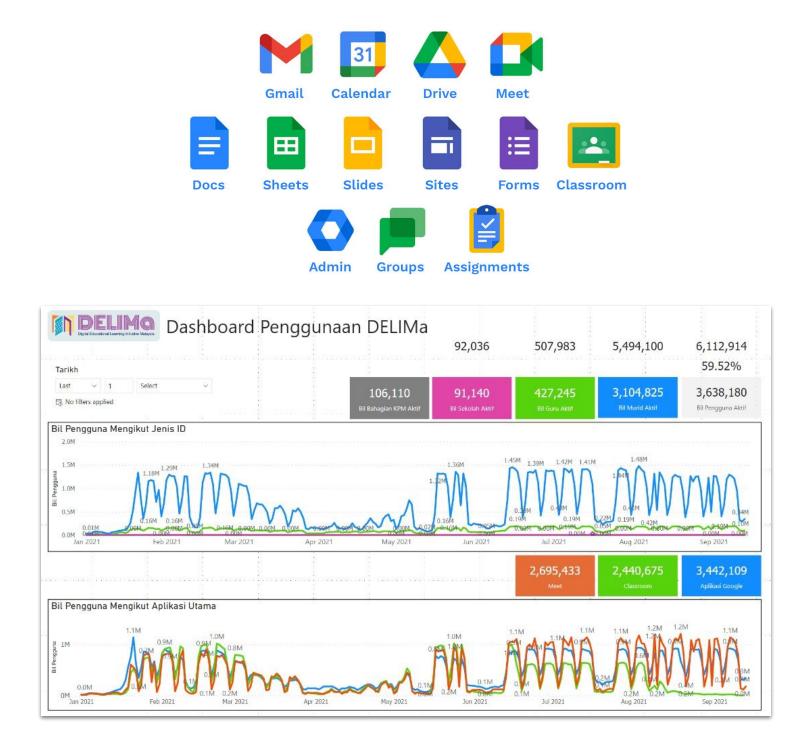
Malaysia MOE has is the first country to deploy nationwide, with Indonesia, Brunei and the Philippines following suit

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

Google for Education

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

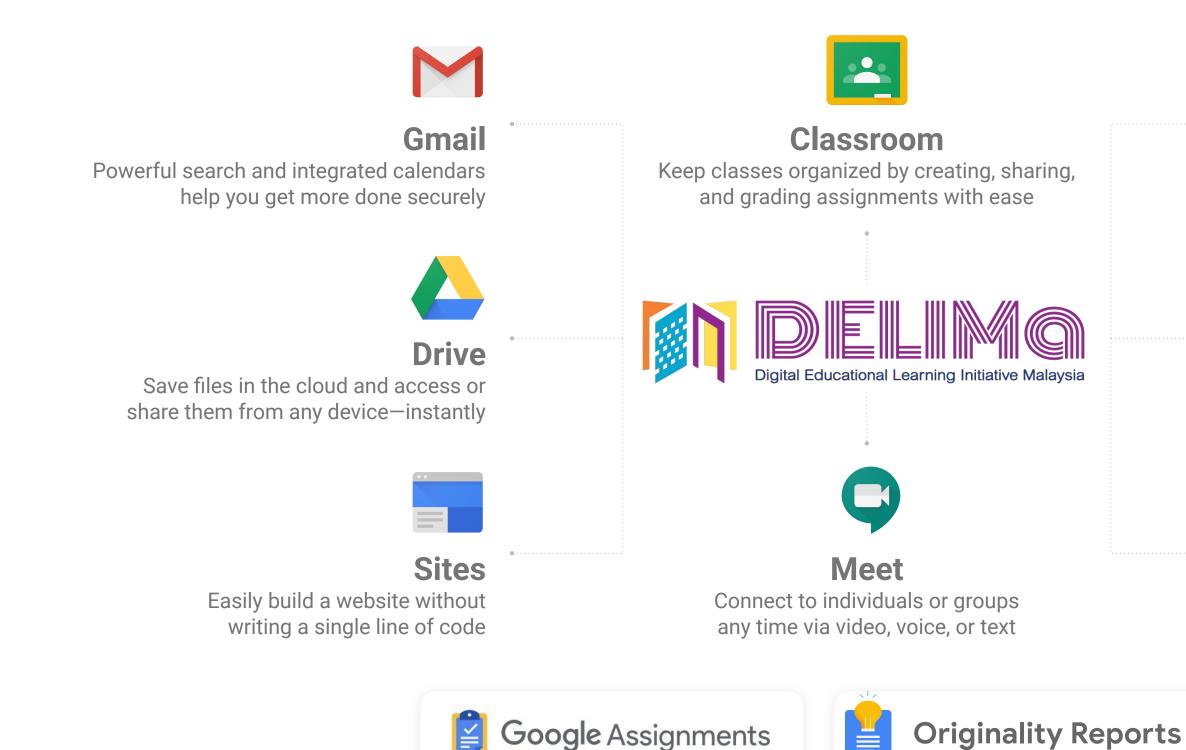
Secure & Trackable

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





Docs, Sheets, Forms, Slides

Collaboratively work on docs, spreadsheets, forms, and presentations right in your browser



Calendar

Shareable calendars that integrate seamlessly with Gmail, Drive, Contacts, Sites, and Hangouts



Vault

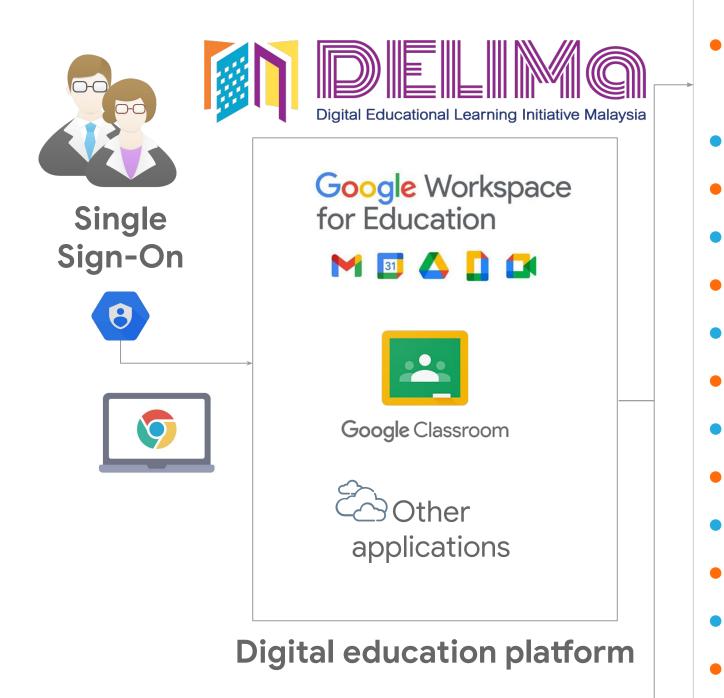
Manage, retain and search for your organization's email and on-the-record chats





Google Workspace Education Plus

A single Google ID for DELIMa

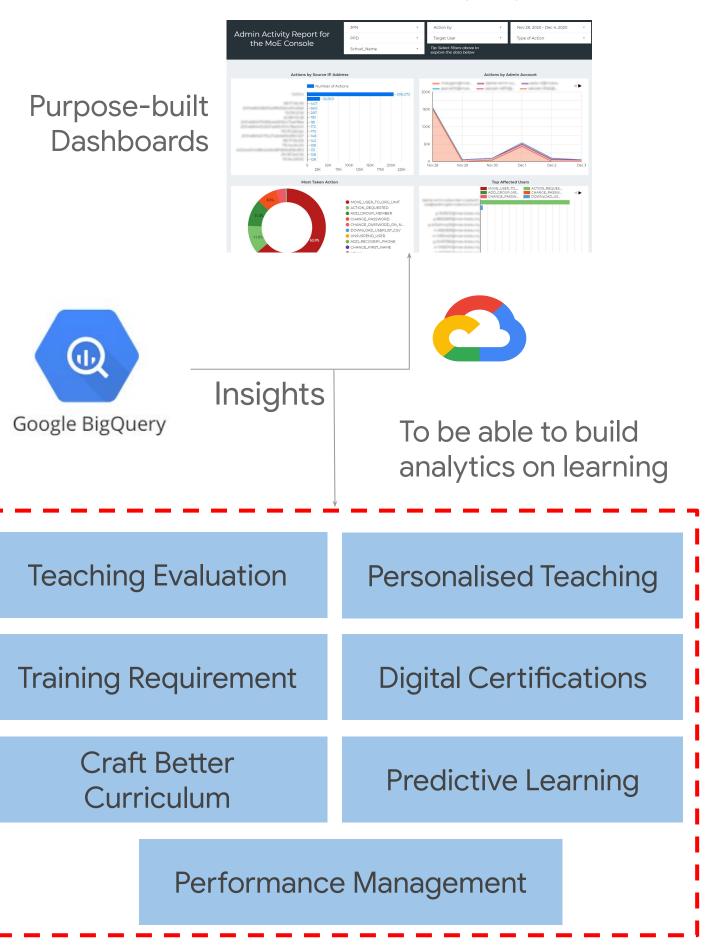


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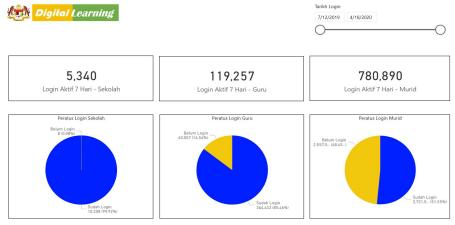
- Google Classroom usage
- Assignments created
- Time spent
- Student performance
- Apps accessed
- Resources shared
- Resources clicked
- Keywords searched
- Subjects accessed
- Comments submitted
- **Resources Saved**
- Ratings given
- Questions asked
- Profiles viewed

And many many more...

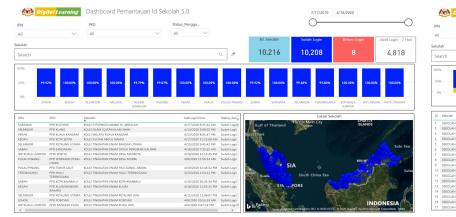
Proprietary + Confidential

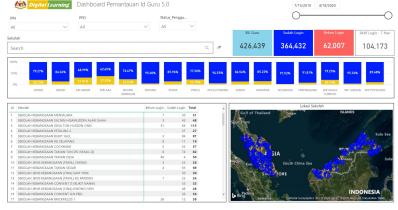


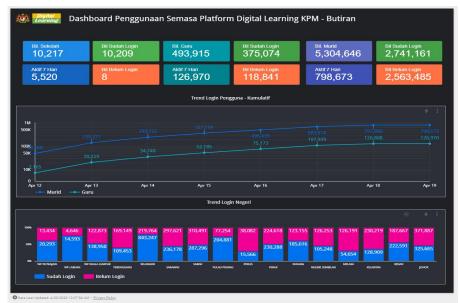
Data and analytics platforms on the cloud allow performance tracking



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.



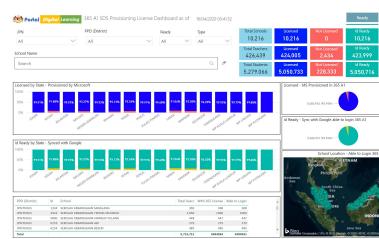








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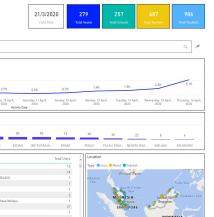
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Perhatian : Daahbaant ini digunakan sebagai petunjuk untuk membantu pengurusan & pengagihan id digital barning. Ia bukan sebagai KM kepada UM, PPO, sekolah guru dan murid. Harap makkan.

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Higher Education Current Landscape



Proprietary + Confidential

Public Universities on Google Workspace







SULTAN IDRIS EDUCATION UNIVERSITY

3K

16K



The National University of Malaysia





3K

29K

16K







9K



Universiti Malaysia KELANTAN









Proprietary + Confidential

12K

25K

13K







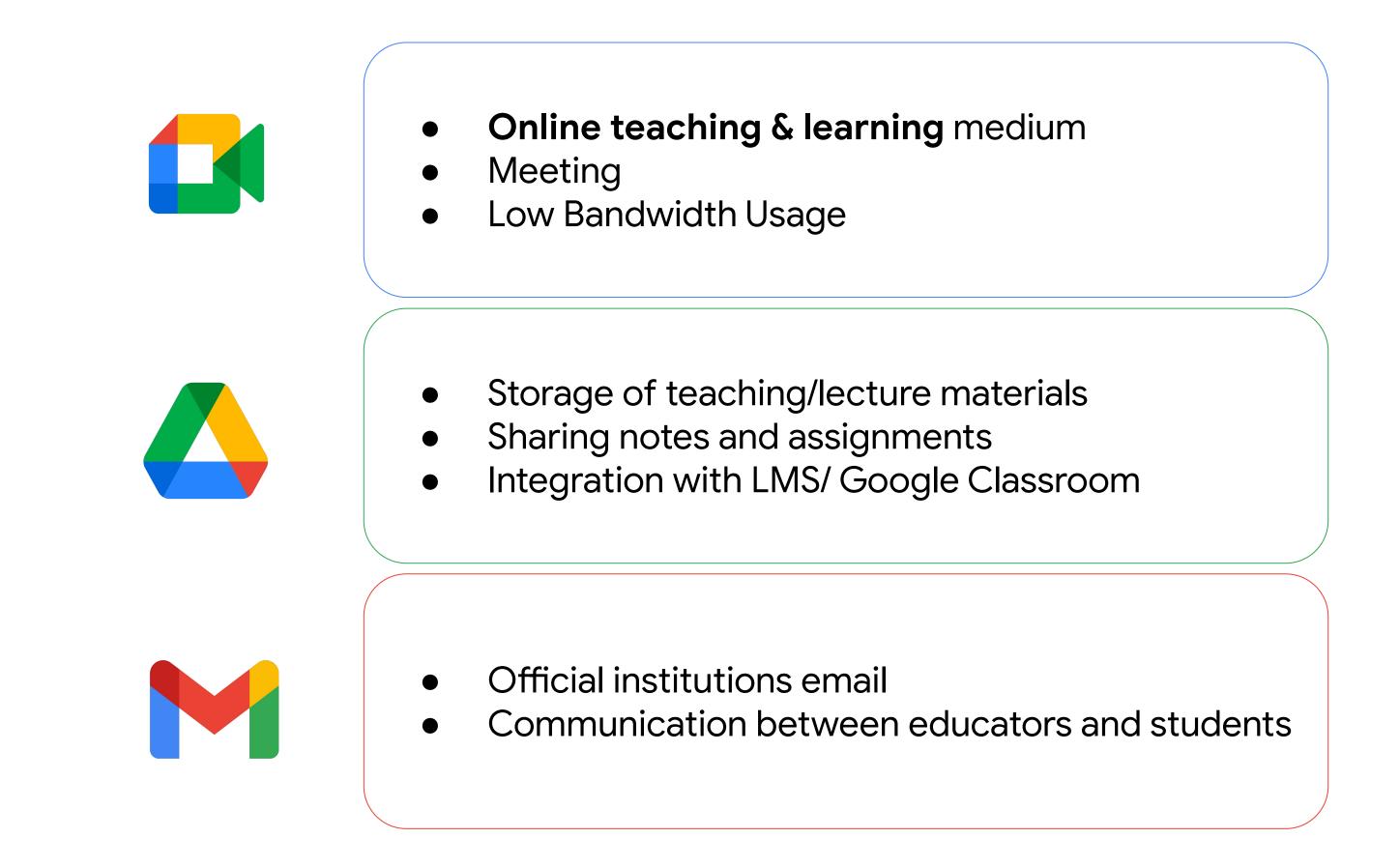




25K

16K

Usage example:



Gemilang Program

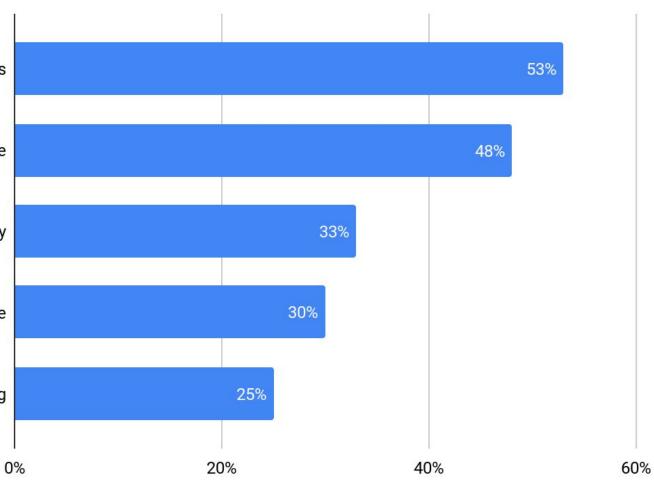


Supports government's vision in building agile and competent digital talent, focusing on B40, Women, and Rural

Digit	al skills identified as being in high dema	nd Top 5 tech ro
1	Big Data Analytics	
2	Digital Marketing	Big Data Analysis Data Science
3	Artificial Intelligence	Cybersecurity
		Artificial Intelligence
		Cloud Computing

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

roles remain vacant for more than 3 months





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

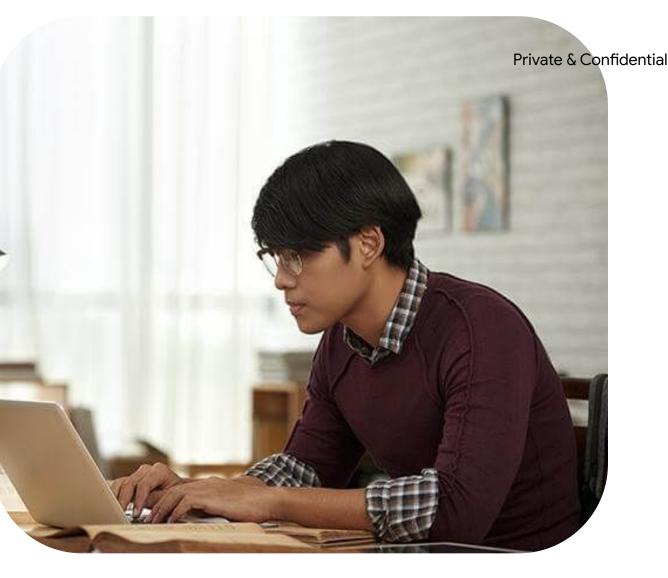
Grow with Google

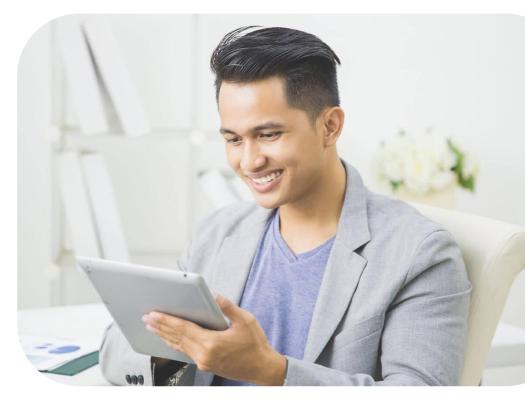
Working together to create economic opportunity for everyone

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	
Target audience	University students	
Learning pathways	Google Cloud for Faculty 4-12 months hybrid learning via university partners, Google Cloud Skills Boost	
Courses	Google Cloud Computing Foundation with either <u>Cloud Architect</u> , <u>Data Analyst</u> or <u>Cloud Digital Leader</u>	
Path to job	Employer Consortiu Job board for Graduates of Prog	

Grow with Google

Job-seekers or mid-career

Google Career Certificates

3-6 months self-paced online learning via Coursera

Data Analytics; Digital Marketing/ E-commerce; IT Support; IT Automation; Project management; User Experience (UX) design

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Gemilang Employer Consortium

allanz astro **CAR**SOME AWANI www.amanz.com











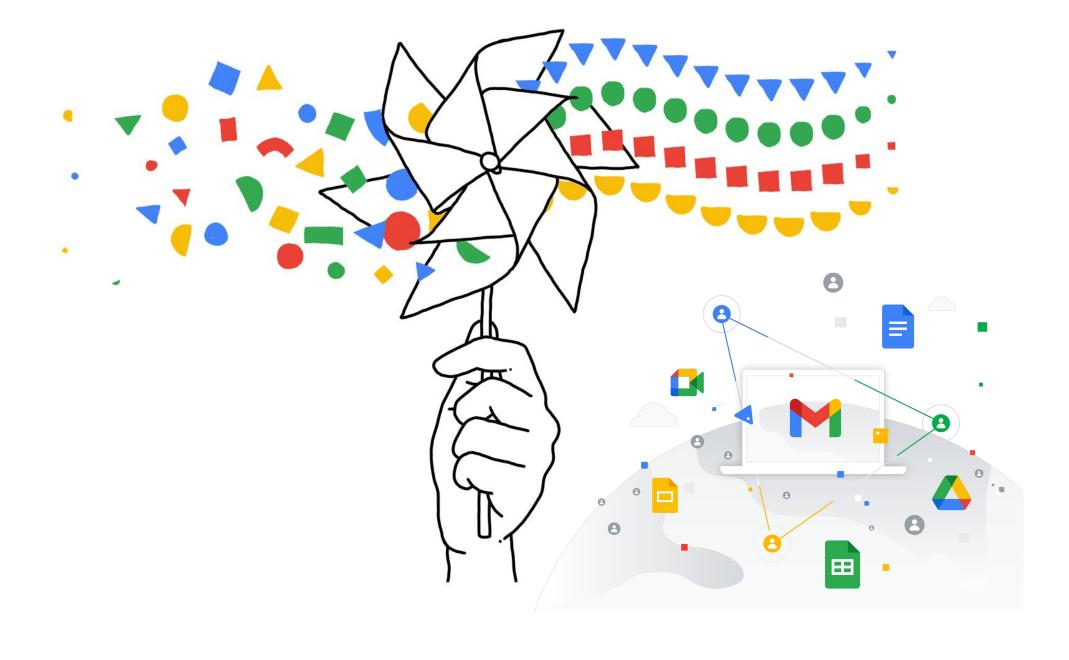
MEDIABRANDS







Thank you!



Google Workspace



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 in cloud solutions provider th customers to transform for business betterment.

We shall develop total in solutions workplace with integrated hardware, software technologies.

Our Mission

innovative	Our purpose is to help companies run		
hat helps	business better by providing diverse		
profound	cloud solutions and services that meet		
	their business needs.		
innovative	We are committed to support customers		
innovative h latest	We are committed to support customers to embark the digital transformation		

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

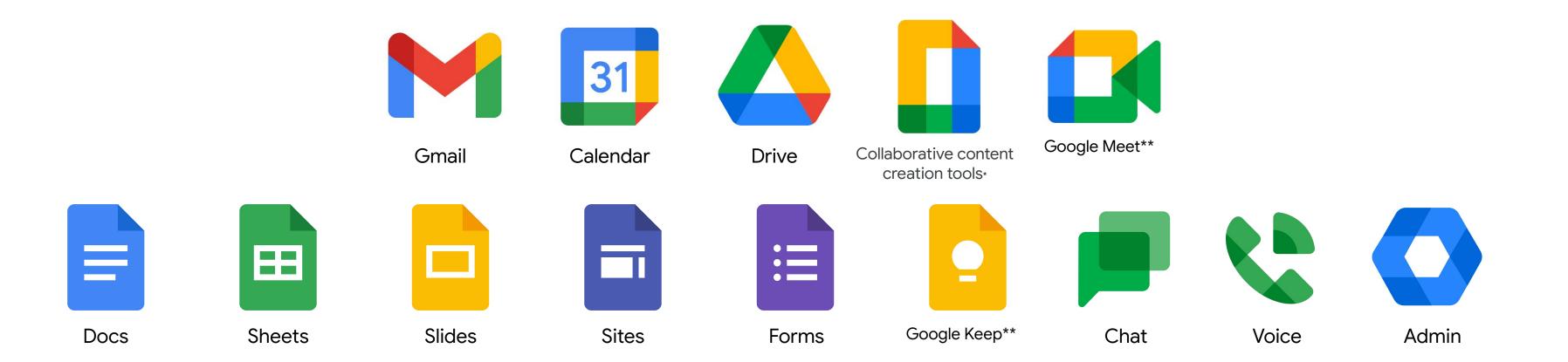




Google for Education Partner



Introducing the new Google Workspace product suite





Google for Education

20+ ways to use Google Workspace



Multiple reasons why Chrome

SPEED





SIMPLICITY





- Verified boot
 - Google Security Chip (GSC)
- Encryption



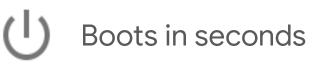
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6

Sandboxing



Automatic Updates





Fast out the box



Faster over time



Optimized for the hardware



Designed for the cloud

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All your data

Chrome sync

Familiar UI

backed up

Easy to manage and deploy

Easy to share and replace





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

Choice



Manage Chromebooks with the Chrome Education Upgrade

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





Learn more about managing devices

Evice management > Chrome	to eace project on the antipy for a solution with all and the solution of the	• • = •
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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



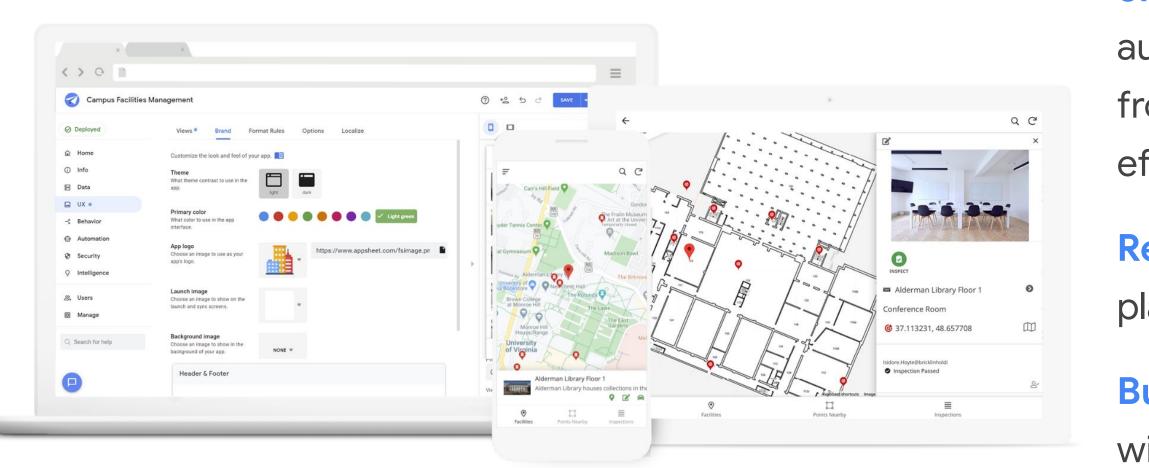
DEMO SESSION: Automation with No Code App Development



AppSheet Output 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**

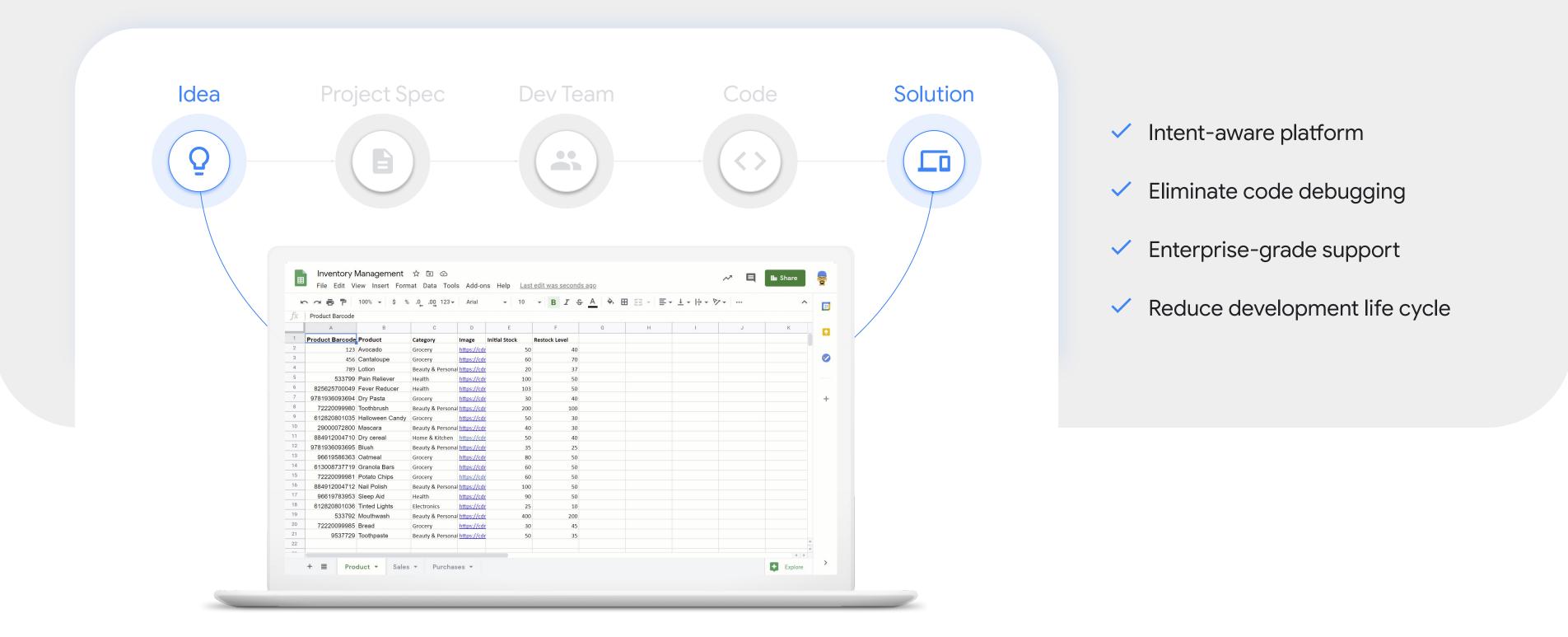


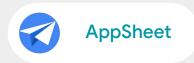


Out with customers

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

Build fast with an enterprise-ready no-code platform

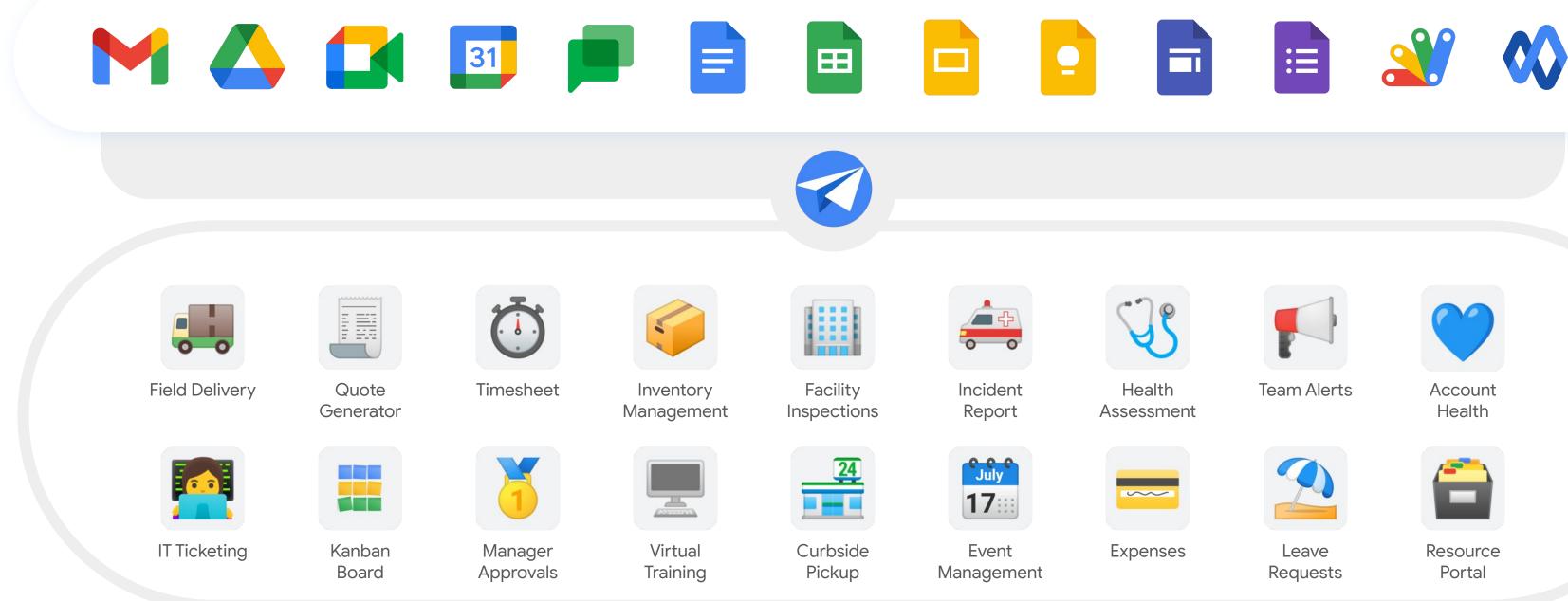




Scale innovation

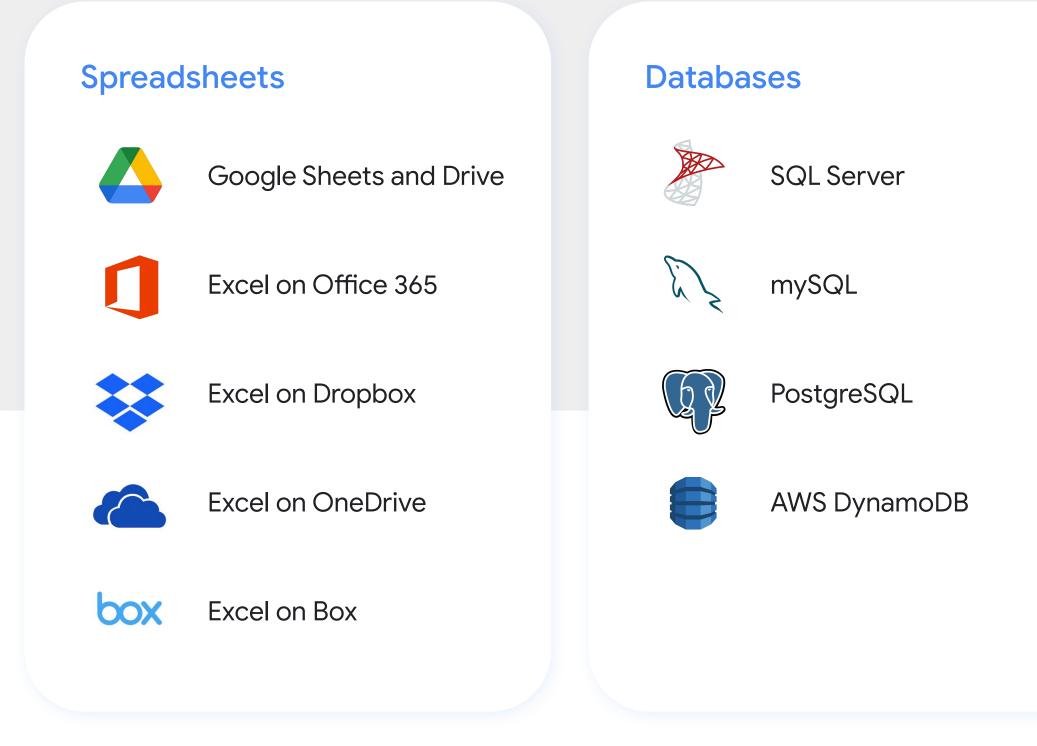


Extend Google Workspace with custom apps and automation





Build from and connect to common data sources





APIs and other platforms



Apigee



Smartsheet



Salesforce



Airtable



OData

Best-in-class security



Your data is yours, always

No ads, ever

 \bigcirc

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

莊

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

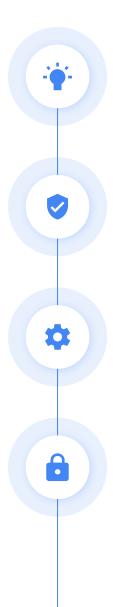




Your data is always accessible

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



ISO 27018





SOC 2 Type 2



FEDRAMP





ISO 27001

ISO 27017

Why choose AppSheet



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

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

"AppSheet's vision for Al-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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Q4 2021

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THE FORRESTER WAVE™

Low-Code Platforms For Business Developers



AppSheet Use Case Examples In Education



"[An app] like this would be a great gift," to other students, Sean said in a <u>Touro</u> <u>Triumphs</u> 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.



Reference: https://blog.appsheet.com/med-student-app-creator-story

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



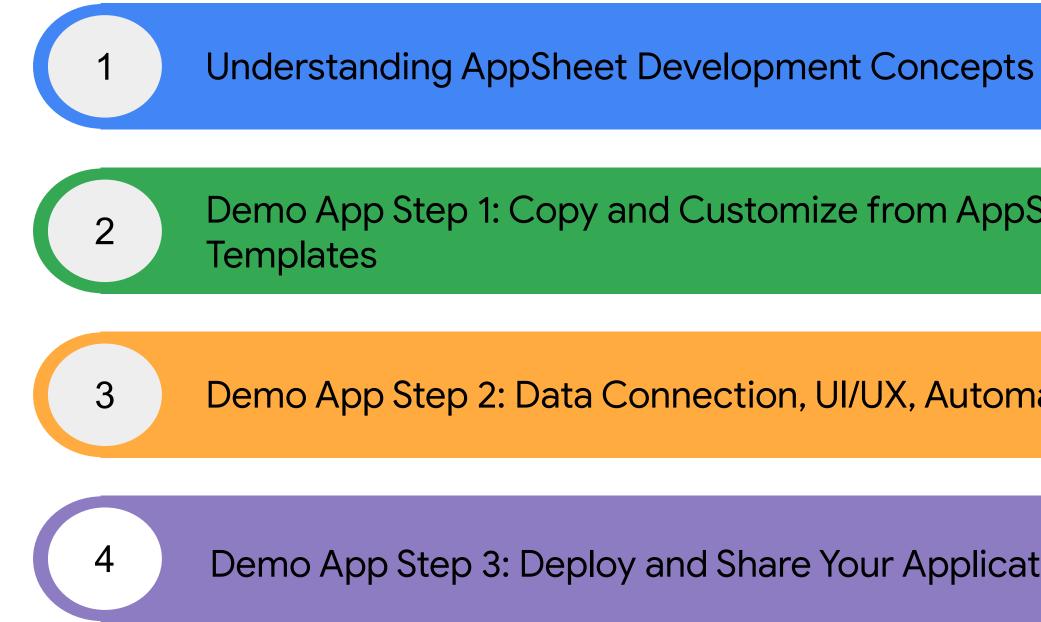
for virtual teaching or hybrid learning. They are stressed and overworked. I thought, 'How can I help them?'"

Erin has helped teachers navigate the previously unchartered 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



Demo App Step 1: Copy and Customize from AppSheet

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

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.



Connect to your data

Customize your app

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





Understanding AppSheet **Development Concepts**

Deploy your app







Copy and Customize



Show AppSheet Templates and Filtering

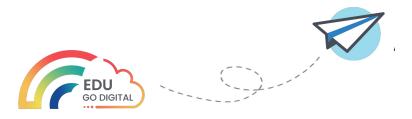
Search for Visitors Check-ins Sample Application

Copy the Application!



Demo App Step 1: Copy and Customize

01





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Customize Your Application

Show Data Connection to spreadsheet

UI/UX

Workflow Automation









Deploy and Share Your Application



Deployment Checking

One click to deploy the application!

Share Your Application



Demo App Step 3: Deploy and Share Your Application

03





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.

2020, June 9, 2020



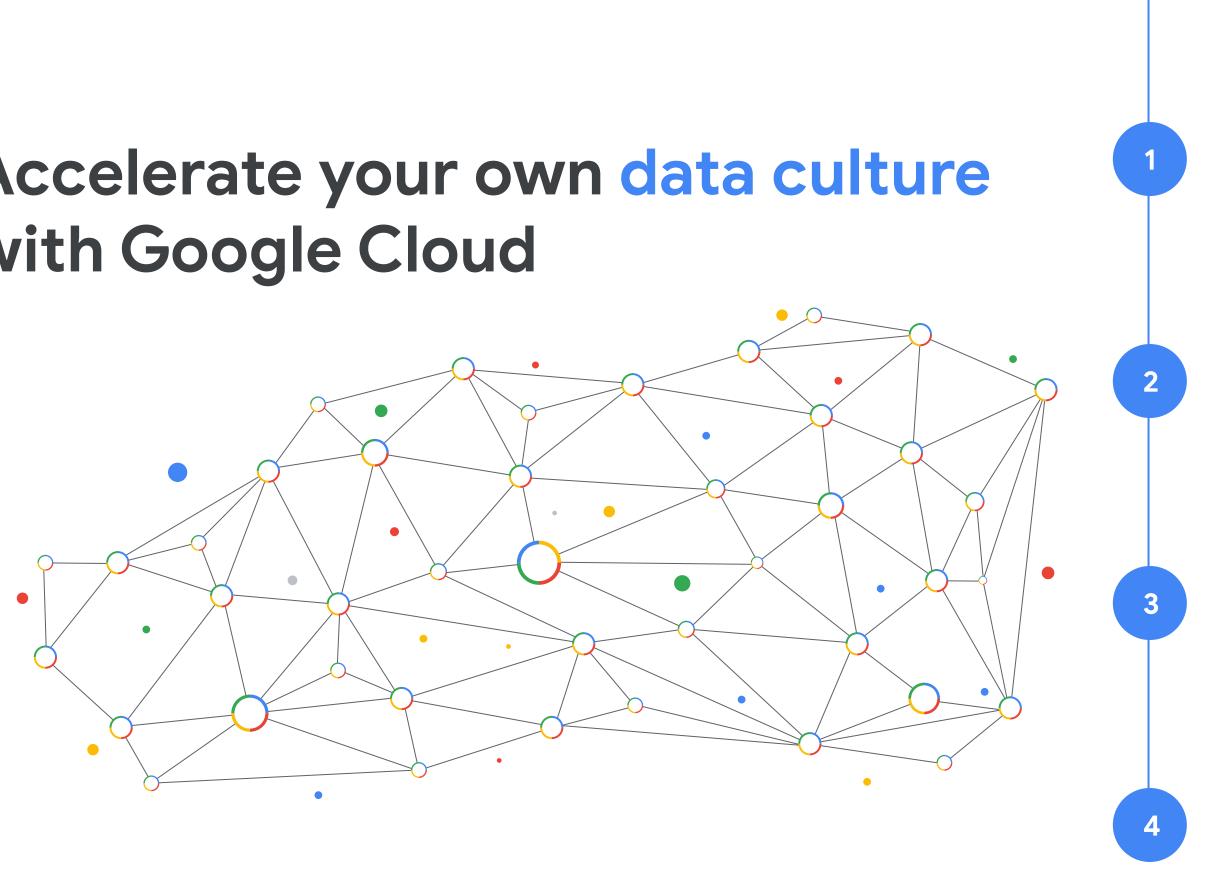
"To innovate their way beyond the post-COVID-19 world, data and analytics leaders require an ever-increasing velocity and scale of analysis in terms of processing and access to succeed in the face of unprecedented market shifts" Smarter with Gartner, Gartner Top 10 Trends in Data and Analytics for

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



Operate with trust

Democratize insights

Increase business ease

Apply intelligence



Google Cloud

Powering your Analytics

Data Studio

Dashboarding, tells great stories

with your data





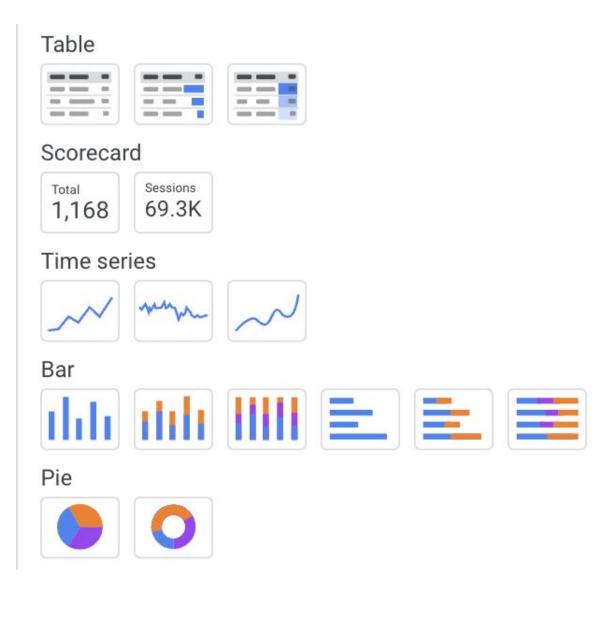
Google Data Studio

- 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



Google Maps					
1. Set 1995					
Geo chart					
Line					
Mili Mili Jood					
Area					
Scatter					



Pivot table



Bullet



Treemap



Gauge

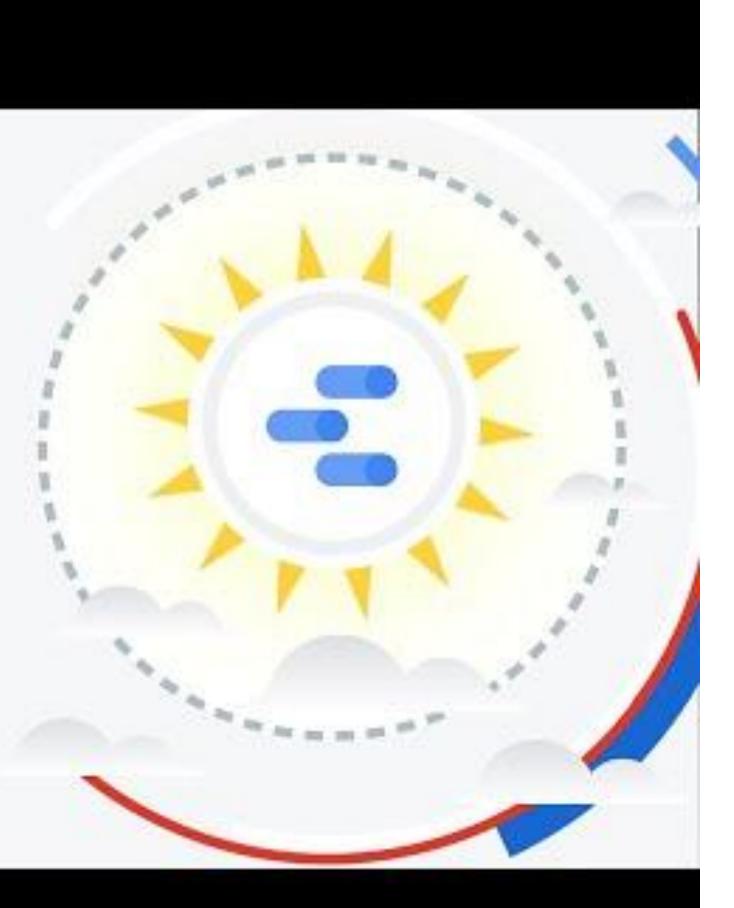


Let's take a tour of Data Studio

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.

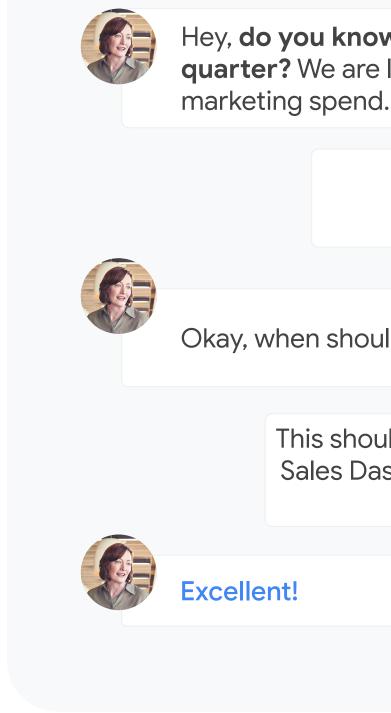
Each country has its own data sheet maintained to collect sales data from their branches.



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!



Demo : Data Studio Creating Sales Dashboard

Overview of Dataset in Google Sheets: Malaysia Sales Data

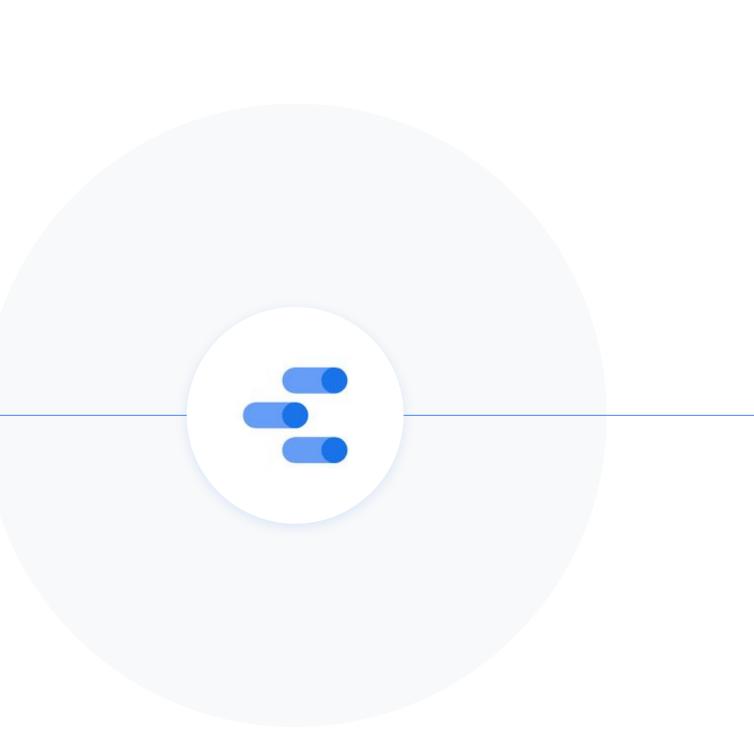
Navigate to Data Studio at datastudio.google.com

Connect to the dataset

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Create and Customize your first report





Let's Build the Dashboard Questions to consider

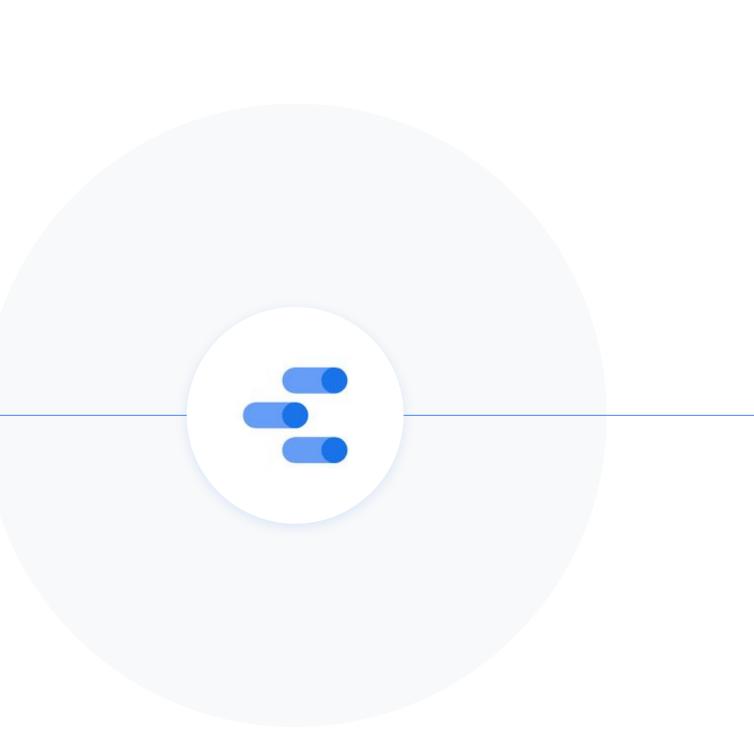
How is the sales doing over the years?

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

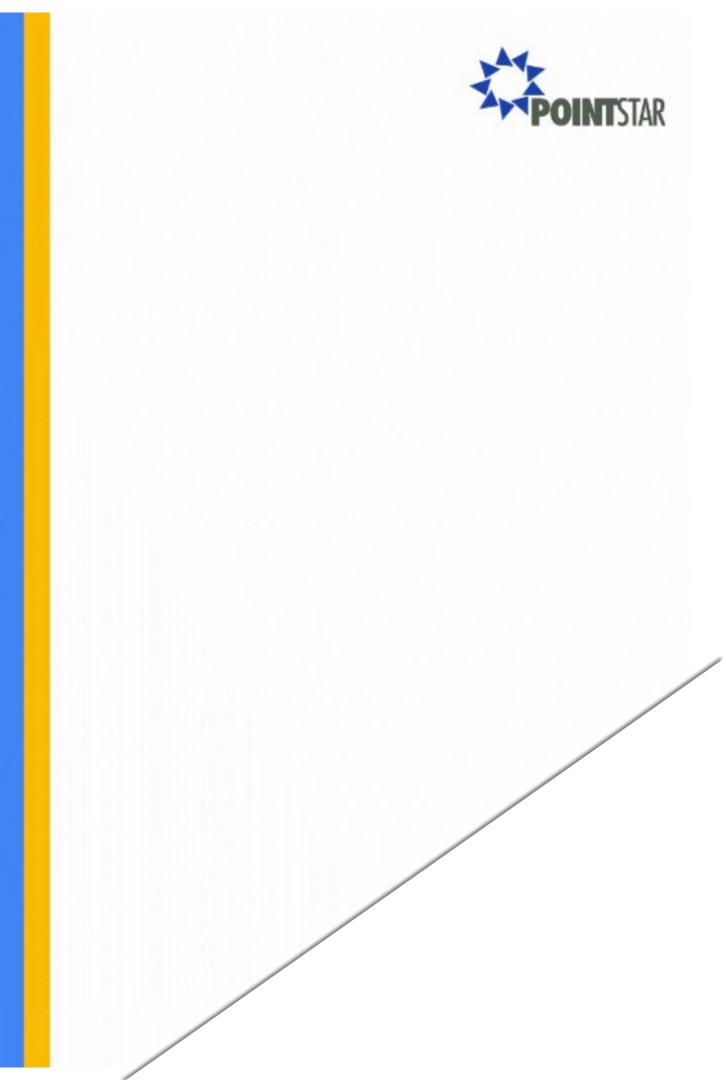




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Thank You.





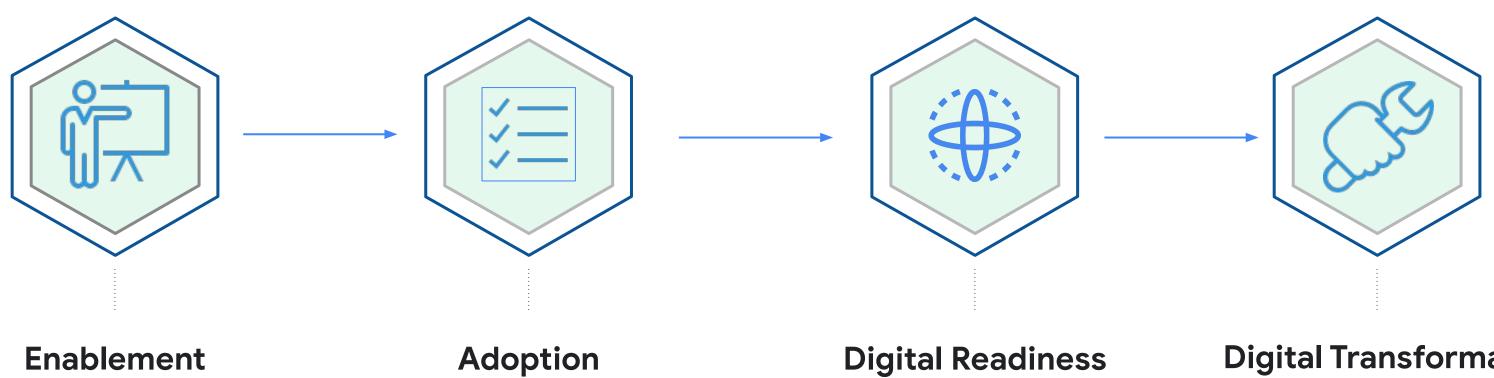
Google Cloud Discovery Day: CLOSING

THANK YOU !!!



HAKE THE FUTURE NOW

The Digital Solutions Realization Phases



Ensure educators have the motivation and knowledge of technology

Educators leveraging technology for new, digital ways for work tasks

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

Scan here:

Share your feedback





