



Google Cloud Next 2024 & The Gemini Era

April 23, 2024



Welcome!

Over the next 40 minutes, we will discuss:

- Our biggest takeaways from Google Cloud Next 2024
- An overview of all the product announcements and feature updates
- The Gemini Era
 - We'll chat about Google Workspace, ChromeOS, Google Cloud and Data and Analytics
- Live Q&A with our presenters

promevo[™]

Google Workspace

Google Cloud

promevo™

With the expertise, agility, and commitment you can only get from a partner that is solely 100% Google-focused, Promevo is with you every step of the way, enabling your organization to have the best Google life experience possible.

We **Sell**, We **Service**, and We **Build** Google Products

Google Workspace



◆ Gemini for Google Workspace

gPanel®
by
promevo™



Google Cloud

- **14-Year Google Partnership**
- **Dedicated** Customer Success Team and **Google-Certified** Technical Support Teams
- Ability to drive **license and GCP consumption discounts**
- Custom IT Solutions across **Application, Cloud, and Data Services**
- **Centralized Billing** for all your Google Products and Services
- Proprietary **Google Workspace management platform**

Partnering to Drive Innovation



Meet Our Presenters



John Pettit

**Chief Technology
Officer**

Promevo



Colin McCarthy

**Change Management
Leader**

Promevo



Aaron Gutierrez

**Practice Director, Data
Engineering & Analytics**

Promevo

Updates and Announcements



Gemini Everywhere

Customer Engagements

- Notable clients using gen AI to transform operations

Google Workspace Innovations

- Next Generation of Productivity

AI Infrastructure Development

- Cloud TPU v5p
- A3 Mega compute instances with NVIDIA H100 GPUs

Vertex AI Updates:

- Public preview of Gemini 1.5 Pro
- Launch of Imagen 2.0

Core Infrastructure Developments:

- Launch of Google Axion
- Expanded Google Cloud compute and storage portfolio

Migration and Modernization:

- Rapid Migration Program (RaMP) enhancements
- New capabilities in database and VM migration
- Partnerships enhancing migration from legacy systems

Security Enhancements:

- Security Command Center Enterprise / Mandiant

Google Workspace Chrome & Gemini

Gemini AI Google Workspace SKU

Gemini for Google Workspace

 AI Meetings and Messaging NEW ADD-ON AI Meetings and Messaging provides organizations AI-powered capabilities to help customers have richer meetings and foster more...	 AI Security NEW ADD-ON AI Security provides organizations AI-powered capabilities to raise their security posture by automating data protection.	 Gemini Business NEW ADD-ON Gemini Business provides a suite of generative AI features to enhance productivity, boost creativity, and save you time. Access to Gemini with 1.0 Ultr...	 Gemini Enterprise NEW ADD-ON Gemini Enterprise provides the best of AI for Workspace, using generative AI to help customers write, organize, visualize, accelerate workflows, have...
--	---	---	--

AI Security

AI Security helps organizations to automatically classify their sensitive Drive files using privacy-preserving large language models, fine-tuned specifically for the customer's unique needs. Classified files can be further protected with existing data loss prevention (DLP) and context-aware access policies.

AI Meetings and Messaging

Features such as studio look, studio lighting, studio sound, and take notes for me (currently a [Gemini Alpha feature](#)) allow customers to have more effective and efficient meetings. In the future, AI Meetings and Messaging will also provide access to Gemini in Google Chat features such as on-demand conversation summaries and automatic translation of messages.

vids.google.com



Google Vids

AI-powered video creation for work

Coming soon to Gemini for Google Workspace.

Chrome Enterprise Premium

Chrome Enterprise Core

No cost

- ✓ Enterprise-ready browser
- ✓ Cloud management
- ✓ Extension security and management
- ✓ Third-party integrations
- ✓ Management via third-party solutions
- ✓ Malware and phishing protections (*Safe Browsing*)
- ✓ Chrome security insights
- ⊗ Malware deep scanning
- ⊗ Filter URLs based on website category
- ⊗ Data loss prevention
- ⊗ Context-aware access for SaaS, Google Cloud and private web apps via Chrome

Chrome Enterprise Premium

\$6 user/month

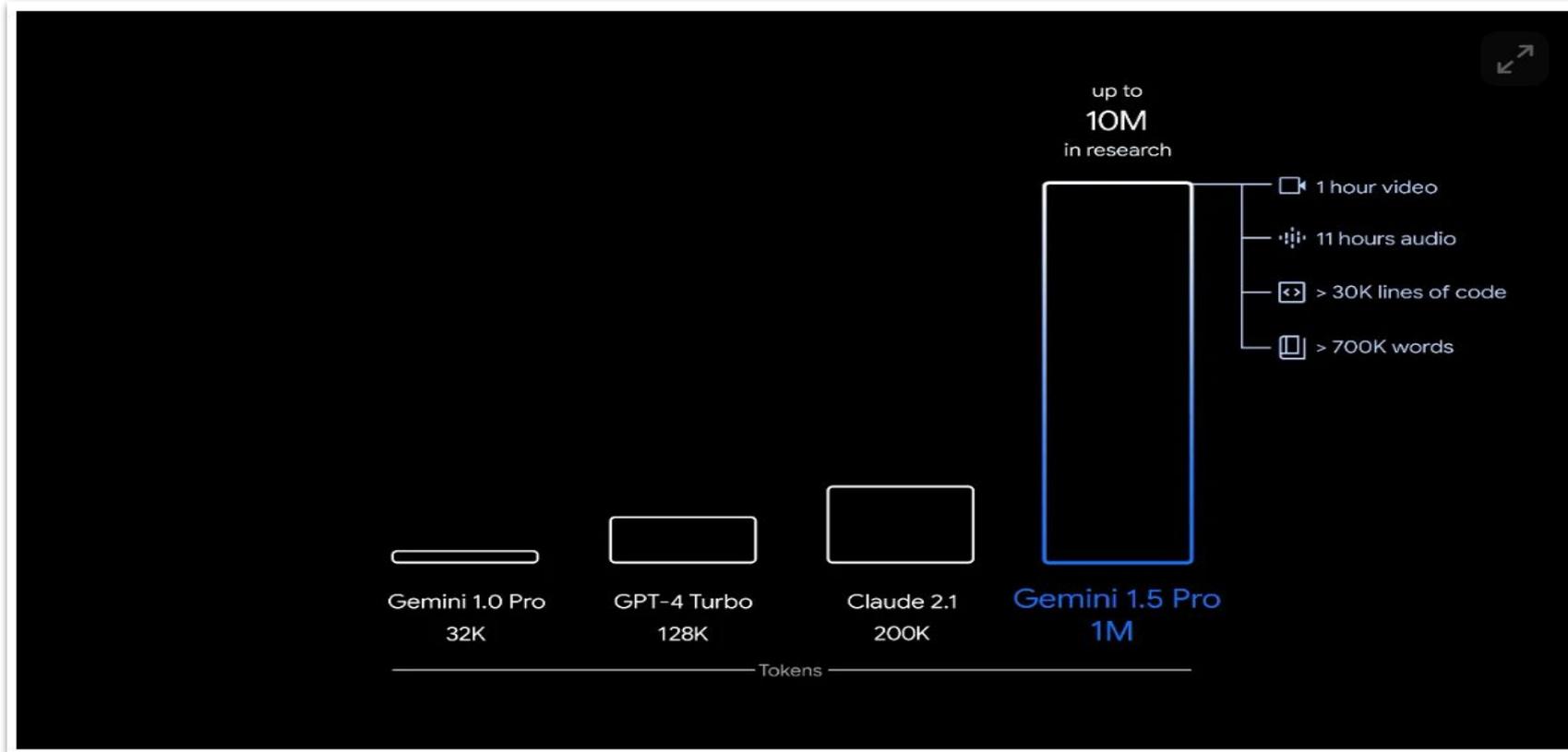
- ✓ Enterprise-ready browser
- ✓ Cloud management
- ✓ Extension security and management
- ✓ Third-party integrations
- ✓ Management via third-party solutions
- ✓ Malware and phishing protections (*Advanced protections*)
- ✓ Chrome security insights
- ✓ Malware deep scanning
- ✓ Filter URLs based on website category
- ✓ Data loss prevention
- ✓ Context-aware access for SaaS, Google Cloud and private web apps via Chrome

Other Key Announcements

- **Voice prompting and instant polish in Gmail:**
 - Send emails easily when you're on the go with voice input in *Help me write*
 - Convert rough notes to a complete email with one-click.
- **New building blocks and notifications in Sheets:**
 - New tables feature does the heavy lifting to format and organize data with a sleek design (available soon)
 - You can select a template from our new set of building blocks
 - Introducing conditional notifications
- **Tabs and personalization in Docs:**
 - Organize information in a single document instead of linking to multiple documents or searching through Drive to find what you're looking for
 - Personalize documents with full-bleed cover images that extend from one edge of your browser to the other
- **Increased member capacity and interoperability in Chat:**
 - Increased member capacity of up to 500,000 in spaces (available in the coming weeks)
 - Streamlining everyday communication with the general availability of messaging interoperability for Slack and Teams through [our partner Mio](#).

Google Cloud Platform & Gemini

Gemini 1.5 Pro



Gemini for Google Cloud



Software Development

Accelerate software delivery

Gemini Code Assist



Application Lifecycle

Efficiently manage cloud applications

Gemini Cloud Assist



Security

Elevate security expertise

Gemini in Security



Data Analytics

Fast-track data analysis

Gemini in BigQuery



Business Intelligence

Automate data insights

Gemini in Looker



Databases

Supercharge database development & management

Gemini in Databases

AI Hypercomputer

	v4	v5e	v5p
Chips per pod	4096	256	8,960
Chip Bf16 TFLOPs	275	197	459
Chip Int8 TOPs	N/A	394	918
HBM (GB)	32	16	95
HBM BW (GB/s)	1228	820	2,765
ICI BW per chip (Gb/s)	2,400	1,600	4,800

AI Hypercomputer

Flexible Consumption

Dynamic Workload Scheduler

On Demand

CUD

Spot

Open Software

JAX, TensorFlow, PyTorch

Multislice Training, Multihost Inference, XLA

Google Kubernetes Engine & Compute Engine

Performance-Optimized Hardware

Compute
(GPUs, TPUs)

Storage
(Block, File, Object)

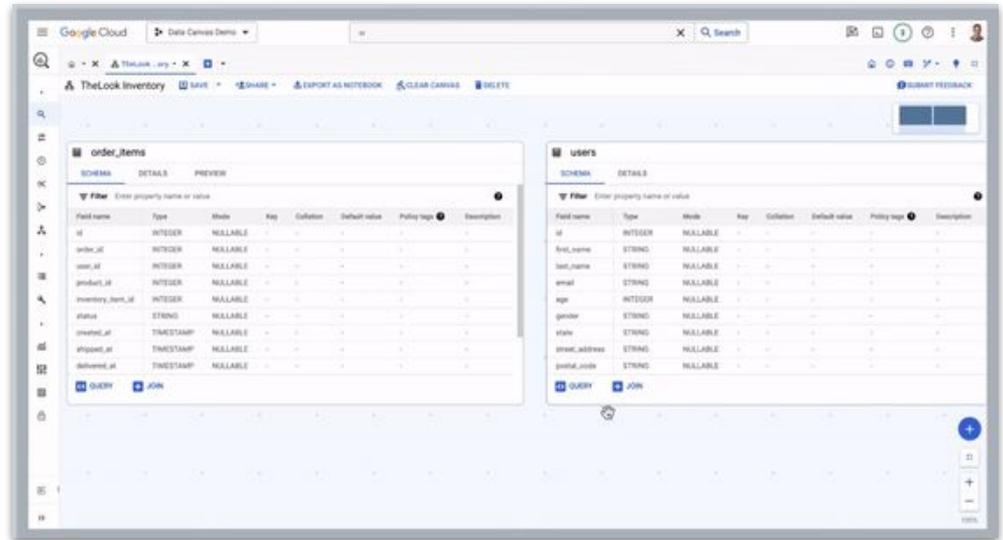
Networking
(OCS, Jupiter)



Data and Analytics Vertex AI & Gemini

BigQuery: The Integrated AI Platform

- Not only a state-of-the-art data warehouse, BigQuery now is fully integrated with Gemini
- BigQuery DataFrames
 - a. Pandas in BigQuery
 - b. Scikit-learn for machine learning functionality
- BigQuery Data Canvas!
 - a. Natural language to SQL
 - b. Visualizations
 - c. Collaborative
 - d. Excellent for ad hoc analysis!



Gemini and Looker

- The BI tool is also quickly developing tools for AI
- Free to use extension makes natural language querying possible inside of the Looker platform
<https://github.com/looker-open-source/looker-explore-assistant>
- Two deployment options:
 - a. BigQuery
 - i. Seamless integration with BigQuery, Looker, and Vertex AI
 - b. Cloud Function
 - i. Perfect if your data warehouse is not housed in GCP



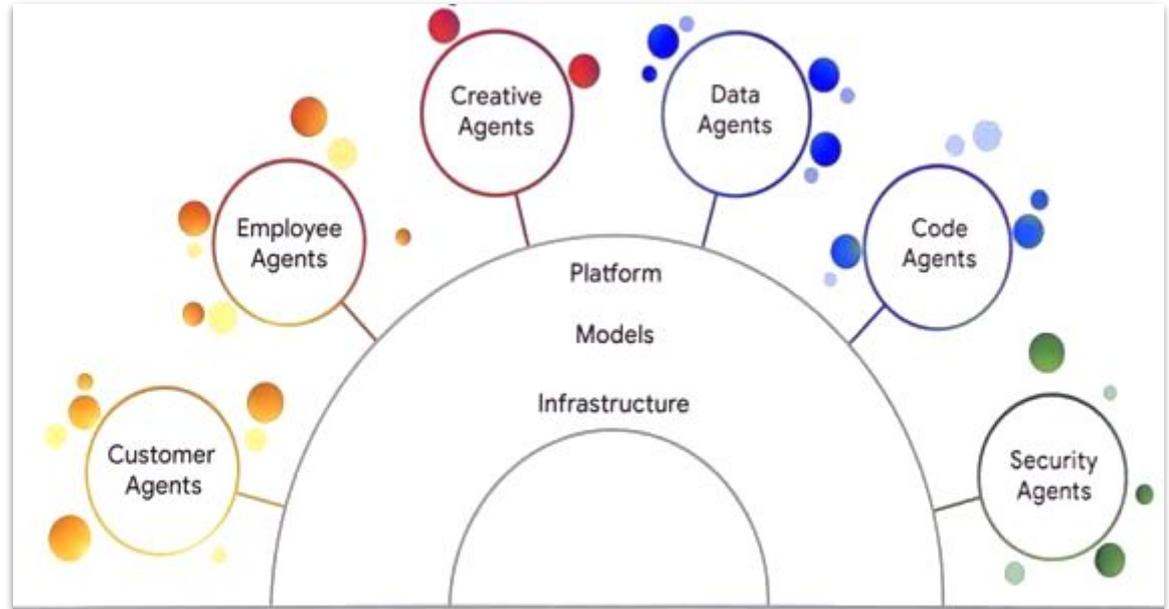
Imagen 2.0 Features

- “Magic Eraser” Functionality
 - a. And “Magic Adder” too!
 - b. Extend Canvas
- Watermarking Tech
- Prompt Evaluation tools
- Text To Live Image
 - a. 24 FPS
 - b. 4 Seconds
 - c. Video from prompt



Vertex AI Agent Builder

- Focus on AI Agents
- Specialization
- Multimodal Functionality
- RAG and Grounding Simplified
- Function Calling Ability
- New Voice and Calling Options



Getting Started

Interested in learning more about Gemini and Google Next Updates?

New Clients: Email

salesupport@promevo.com

Existing Clients: Email your CSM or

clientsuccess@promevo.com

Questions/ Updates: Email

updates@promevo.com

Learn More

Interested in learning more about Promevo?

promevo.com

promevo.com/gPanel

linkedin.com/company/promevo/

Read our latest blogs on Gemini:

[What You Need to Know About Gemini for Google Workspace](#)

[Unfolding the Impact of the Google Gemini Revolution on Business Operations](#)

[Boost Your Data Analysis with Assistance From Google's Gemini](#)



Upcoming Webinars



gPanel® Office Hours
A Promevo Webinar Series

Session 7: gPanel API

May 7th

[Register Here](#)

Session 8: Automation

June 11

[Register Here](#)

Session 9: Delegation

July 9

[Register Here](#)



Questions?