

Dropblock for Workspace is an Add-on enabling organizations that are unable to use cloud storage due to compliance requirements to use Google Workspace & Gemini

This is because Dropblock for Workspace enables users to store files in their own decentralized blockchain and not in Google Drive while still gaining the full productivity, collaboration and security benefits of Workspace.

What's more, Dropblock unleashes Gemini for Google Workspace for these decentralized users so it can act as a coach, thought partner, source of inspiration and productivity booster, all while helping ensure every user and organization has control over their data.

This blog outlines the Dropblock AI features and how Gemini is used to ensure organizations can connect meaningfully and create a culture of innovation while staying secure, compliant, and in complete control through blockchain file storage.

AI File Hover Summary

In the Dropblock file menu, a concise overview is displayed of a file on mouse hover alongside metadata including file size and version history. This overview is automatically created with Google Vertex using the Gemini 1.0 Pro model when a document is saved.

It enables users to quickly read a file summary instead of having to open the file itself for review and as a reminder.

AI Doc/Sheets/Slides Overview Preview

A user can preview a full summary of an open file through the Dropblock extensions menu.

This is created using Google Vertex AI with Gemini 1.0 Pro and enables a user to gain a concise overview of a Doc which can be used either as a quick summary, or as a productivity tool for the author to check if their core messaging is correct.

AI Doc/Sheets/Slides Overview Insert

A user is also able to insert a larger AI overview of the file contents into their Doc/Sheet/Slide through the same Dropblock AI extensions menu.

This overview also uses Google Vertex AI with Gemini 1.0 Pro and can be used as an automatically generated executive summary of larger Docs or to provide concise summary material.



AI Analytics Models of Encrypted Data

When a file is saved in Dropblock and stored in the user's own decentralized blockchain storage platform, AI automatically creates analytics models from the fully encrypted data around:

- Sentiment
- Risk
- Business Classification
- + a user defined model

These individual models are created using the Omniindex Boudica Small Language Model AI engine. To make sure that the Boudica engine is correctly balanced and up to date, Google Vertex AI Training is constantly run against the models.

These contextual models enable a data analyst or manager to create analytic views and visualizations of the data in Google Looker. One use case of this is that Vertex AI predictions empower managers to foresee issues within the stored data for threat intelligence.

This is also uniquely possible on the fully encrypted stored log files. This is because Boudica can analyze these logs due to its patented use of OmniIndex FHE (fully homomorphic encryption). Vertex AI is used to train the Boudica model and to then create predictions on security breaches or outages for threat detection.

AI Automatic Personally Identifiable Information Redaction

Dropblock's automatic redaction enables a user to redact certain PII data (telephone numbers, social security numbers, zip codes, email addresses) when a Doc/Sheet/Slide is saved.

The redacted data is encrypted with FHE and stored in the user's own blockchain storage.

Only that user is then able to unredact that data once more, meaning they can share the file with others with complete confidence the redacted information cannot be exposed.

AI Redaction of Learned Preferences

A user can also redact any other information in the file with it secured in the same way.

This is done by surrounding the desired information with two 'greater than' signs at the front and two 'lesser than' signs at the end. <<like this>>

Dropblock then utilizes Vertex AI Training to learn what information a user regularly redacts and add that to the PII data that is automatically redacted to ensure an optimized and personalized experience.

