

# Explore: Supply Chain Management (SCM)

Let Gemini Explore connect the dots between your organization's data.

## Overview

Supply Chain Managers can struggle to efficiently maintain all their tasks within an active business environment, as a great deal of time is spent performing repeated queries against multiple applications or data silos. This can require highly skilled staff to perform complex tasks in order to meet deadlines and keep pace with present and future orders.

As part of their role, Supply Chain Managers are challenged to balance efficient planning requirements against the push to increase the average profit per unit while also minimizing aged inventory. Other dilemmas can be caused by multiple product models requiring many different parts (SKUs) from different suppliers that have to delay shipment because of a dependency on other parties.

Businesses could potentially lose revenue and hinder customer satisfaction without having an efficient planning strategy to cover a potential shortfall.

### Businesses currently struggle with the inability to:

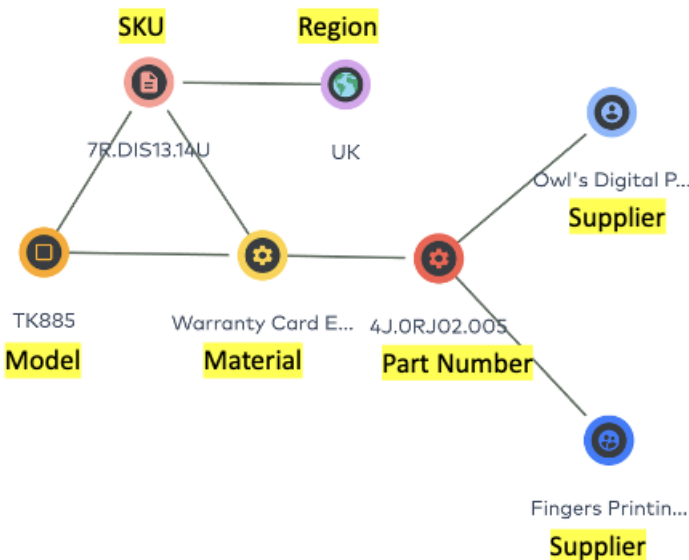
- Easily visualize the complete picture of sales orders, SKU's, and shipments across the entire product range,
- Discover potential part shortages for ongoing customer orders in good time, and
- Highlight high-risk suppliers that could potentially delay a shipment.

## Solution

Gemini Explore connects your SCM data irrespective of whether it is stored in SQL, Splunk, or another structured data source.

Using our innovative tool, a spreadsheet with a massive amount of entries can be displayed visually making it far easier to understand in a visual format.

Using our Exploration canvas, Managers are able to quickly differentiate between common and unique parts and SKU variances in different product models revealing exactly how they correlate with each other.



## Benefits of using Gemini Explore

Data visualization with Gemini Explore can significantly reduce the time needed to review processes, allowing supply chain managers to quickly observe connections between data and better strategize moving forward.

- Easily contextualize and correlate across sales orders, inventory, product variants, and available suppliers.
- Learn the hidden connections and reveal context between multiple data sources.
- Enable product management and procurement to easily identify the SKU's relevant to a specific shipment region.
- Discoveries can be saved, shared and easily understood by colleagues who now have the whole picture displayed as a graphical story.
- User enablement is made simple due to the no-code advantage of building data models and exploring data. No prior knowledge of a programming language is required to gain insight from the ingested data.

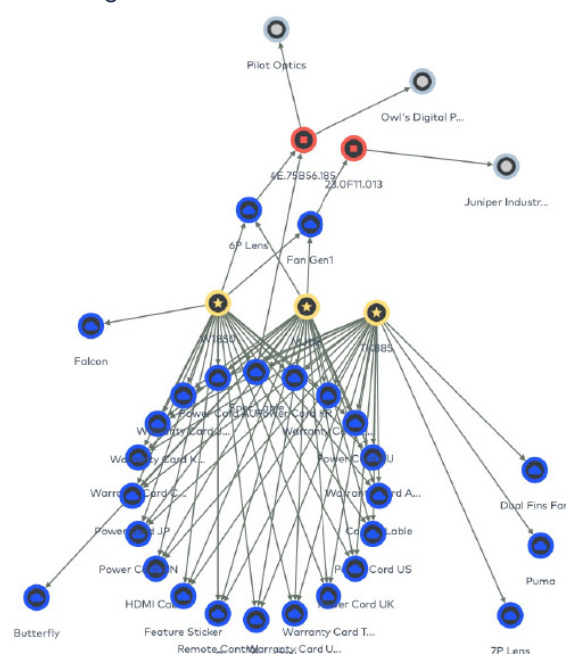
## How it Works

Gemini Explore creates an end-to-end solution that presents structured data as a set of nodes and edges instead of multiple tables of rows and columns.

This enables visible insight created from the many relationships between data elements such as; orders, products, models, SKUs, and suppliers, across multiple diverse supply chain datasets.

Data sources can be normalized by designating similarly named 'Tags' during the modeling process that quickly enables cross-referencing of multiple sources on one visual canvas.

Assigning additional 'Properties' to 'Node Categories' will reveal more information for individual nodes that can be used to compare with other nodes.



## Why use Gemini Explore for Supply Chain Management?

- **Contextualize data – add real meaning and unlock further insights**  
Correlate and contextualize multiple datasets for rapid decision-making .
- **The ability to go from raw data to an 'aha!' moment in a few simple steps**  
Ingest data from multiple sources, choose the significant fields/headers which will become nodes, create edges to show relationships between them, and immediately view results on the canvas.  
  
Quickly optimize Sales Order Book (SOB) and Build Planning by understanding the impact of part shortages and discovering other sourcing options for materials
- **Risk Awareness**  
Explore's visualizations lead to faster discovery and action. For example:
  - ◊ Discover high-risk suppliers that are critical for production.
  - ◊ Quickly compare product inventory with total requirements.
  - ◊ Highlight the common parts used in all models that could quickly deplete inventory.