

# Anaplan Optimizer

Navigate complex planning decisions by evaluating multiple scenarios to quickly identify the best path forward — no coding required



Enterprise leaders face increasing pressure to make smarter, faster decisions while managing limited resources and competing priorities. Optimization plays a critical role by enabling businesses to evaluate countless scenarios, constraints, and variables to identify the most efficient and effective outcomes. Whether it's allocating budgets, optimizing supply chains, or planning workforce needs, optimization ensures that every decision is aligned with strategic goals and backed by data.

**Anaplan Optimizer** can quickly solve your most complex problems involving thousands of inputs, aiding business planning and decision-making. Powered by one of the most advanced algorithm-based engines on the market, Optimizer determines optimal solutions to business challenges involving any number of variables and constraints. Without an effective optimization engine, calculating each possible outcome would be extremely time consuming, if not impossible.

## Key benefits

### Find optimal solutions to complex problems:

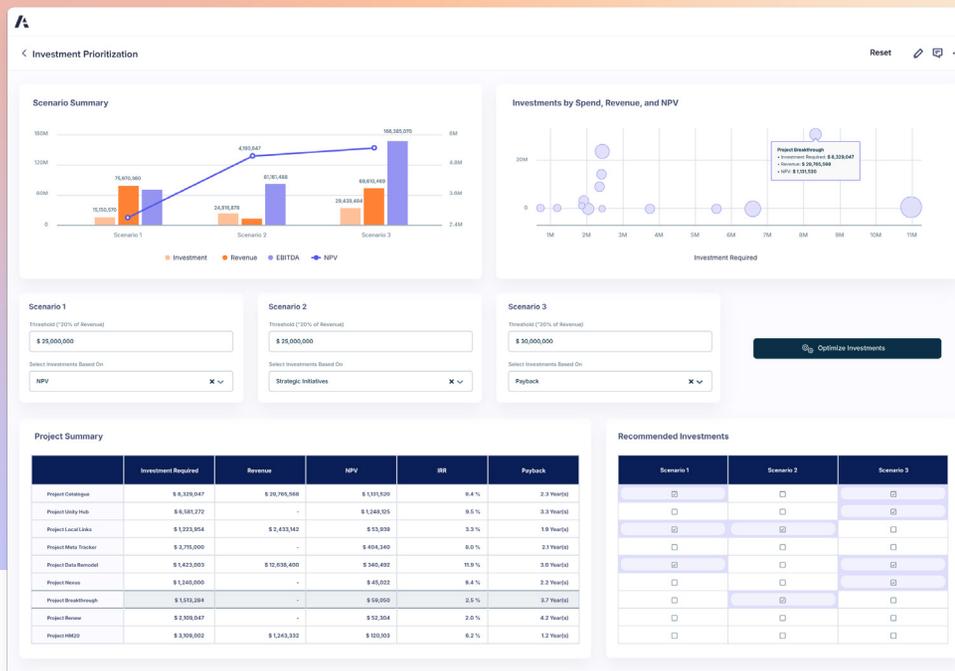
Advanced linear optimization algorithms allow you to find solutions with just the click of a button. By integrating user-friendly optimization capabilities into your Anaplan implementation, you can harness the power of your data to make smarter business decisions across your organization.

**Determine the best-fit solution:** No-code, user-driven interface enables model builders to use their model data to outline the constraints to the problem, as well as the goal for the business. The fast optimization engine quickly runs through millions of possible solutions, incorporating unlimited constraints of complex problems to find the optimal solution.

**Improve time to decision-making:** Leveraging one of the fastest optimization engines on the market with advanced capabilities and superior performance at scale, Optimizer powers critical use cases across various domains such as sales, supply chain, finance, and operations, helping you optimize end-to-end business planning.

### Enhance transparency and troubleshooting:

Log API gives workspace admins access to detailed logs, making it significantly easier to understand why an optimization action failed (e.g., memory overrun, infeasibility, timeouts), reducing time to resolution.



# How Anaplan Optimizer works



## Structure your optimization problem

Define objective, complex system of variables, and constraints for the optimization problem.



## Combine and encode logic

Anaplan Optimizer combines these elements and encodes them in a linear and mixed-integer linear program equation.



## Find the best solution

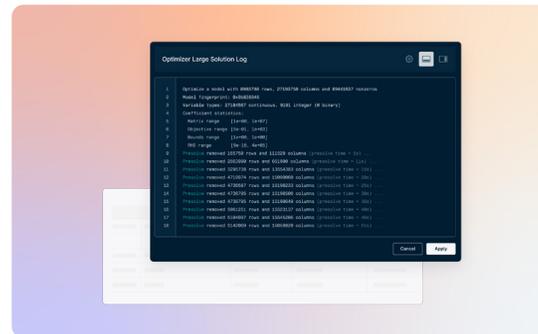
Anaplan Optimizer quickly evaluates possible solutions based on objectives and constraints, identifying the optimal solution.

## Key features

**Linear, no-code optimization:** Linearization makes it possible to solve complex problems without requiring highly specialized, non-linear solvers. This keeps the process efficient and easy to implement. For example, by using piecewise linear models, one can optimize transportation costs, production schedules, or resource allocations while respecting the complexities of your operations.

**Constraint and variables:** Constraints were introduced to ensure that Optimizer picks the right segment of the linear approximation at each step. For example, a binary variable can indicate which segment applies, ensuring the solver stays within realistic bounds.

**Testing and iteration:** Model builders can choose how closely they want to fine-tune their solution. By selecting their preferred percentage of optimization, model builders can explore more business uses in less time to find solutions that are more precise than they could have calculated manually. This is

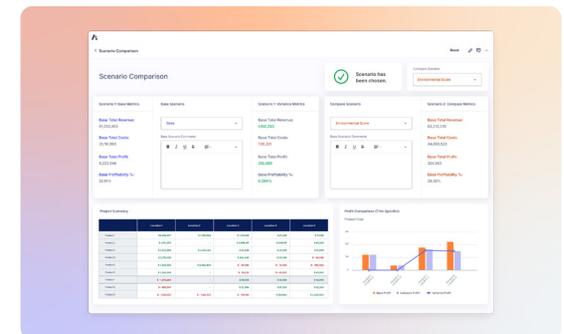


particularly useful for use cases where time savings, efficiency, and improved optimization is important, ensuring the solver stays within realistic bounds.

**Extended time boundaries:** Model builders can now extend the time boundary for an optimization problem to run to beyond one hour to solve ever more complex problems. This is useful for complex users to find the most accurate solution. In these scenarios, you can run Optimizer for an extended period to get the best result.

**Time-out import:** Users can now access partial results from Optimizer when a run times out, without needing to adjust action settings. This enhancement enables planners to review and leverage feasible intermediate solutions — saving time, reducing iteration cycles, and maintaining progress even when Optimizer doesn't reach a fully optimal solution within the set time limit.

**Deeper understanding into decisions:** After each Optimizer run, the system generates a detailed log file — accessible via the Log API — that provides clear diagnostic information. This enhanced transparency significantly improves explainability and root-cause analysis, enabling you to understand solver behavior, identify bottlenecks, and take corrective action with greater precision



## Business uses for Anaplan Optimizer

**Territory and quota planning:** Sales leaders can spend significant time setting up and arranging territories and quotas for their team, without knowing whether they're creating the optimal solution. With Optimizer, you can save time and maximize revenue by creating an optimal account plan for sales reps, considering factors like historical performance and market potential.

**CapEx spend optimization:** Determining which projects to invest in requires an understanding not only of the constraints and goals for the current investment period, but also a holistic view of the project portfolio and what's underway. With multiple projects to consider, and different goals and constraints to take into consideration, investment teams struggle to know that they're investing in the best projects for their company. Optimizer allows you to input multiple constraints and set various scenarios to build investment plans optimized on strategic priorities.

**Supply chain planning:** Identifying the optimal supplier mix is challenging and impossible to run manually because of the sheer number of possible combinations of suppliers, routes, and warehouses. Optimizer takes all the data, constraints, and goals and runs numerous scenarios until it finds the best solution, saving companies millions of dollars.

**Forecast allocation:** With forecast allocation, Optimizer intelligently breaks down top-level forecasts into granular allocations across multiple dimensions like product lines, regions, time periods, or customer segments. It considers constraints such as capacity, historical performance, market demand, and business rules to ensure the allocations are not only accurate but also optimized for strategic priorities.

**Shipping optimization:** Optimizer helps organizations determine the most efficient shipping routes, schedules, and transportation methods. It uses near real-time data and customizable business rules while respecting delivery windows, cost constraints, and service-level agreements.

**Vendor purchase orders:** Optimizer helps procurement and supply chain teams make smarter decisions by determining the most optimal way to allocate purchase orders across your supplier network, balancing cost savings with supply chain reliability.

**Production planning:** Optimizer brings advanced mathematical modelling to the table, enabling you to generate optimal production schedules that align with business goals, maximize throughput, and minimize waste.

## Optimize decision-making at the speed of your business

Now is the time to unlock greater efficiency and precision to solve your complex planning challenges and make data-driven, confident business decisions. Anaplan Optimizer helps identify opportunities across multiple scenarios, enabling smarter resource allocation, reduced risk, and improved agility in an ever-changing business environment.



## About Anaplan

Anaplan is the only scenario planning and analysis platform designed to optimize decision-making in today's complex business environment so that enterprises can outpace their competition and the market. By building connections and collaboration across organizational silos, our platform intelligently surfaces key insights — so businesses can make the right decisions, right now.

More than 2,500 of the world's best brands continually optimize their decision-making by planning with Anaplan.

To learn more, visit [www.anaplan.com](http://www.anaplan.com)