

GAMS – GENERAL ALGEBRAIC MODELING SYSTEM

AT A GLANCE

The General Algebraic Modeling System (GAMS) is a mature system that gives you access to cutting-edge modeling and optimization technology.

Mathematical optimization is the task of finding the best solution to a given problem from a set of possible alternatives. Example applications include minimizing shipment costs or production idle time, maximizing returns, or finding an optimal solution to a scheduling problem with many constraints. Optimization is widely used in a number of different areas and industries such as energy, agriculture, engineering, policy-making, economics, production, pharmaceutical, or chemical engineering.

GAMS provides everything needed to support the development and deployment of optimization applications. With a broad academic and commercial network in more than 120 countries and more than 30 years of experience in industry and academia, GAMS engineers support clients during the entire process; our support services go beyond technical product support, and include analyzing and enhancing your models.

KEY FEATURES

- STATE-OF-THE-ART MODELING TECHNOLOGY
- TAILORED FOR COMPLEX, LARGE-SCALE MODELING APPLICATIONS
- RAPID DEVELOPMENT ENVIRONMENT
- INTEGRATIONS FOR ALL MAJOR COMMERCIAL AND OPEN SOURCE SOLVERS
- APIS TO CONNECT TO AND FROM MAJOR PROGRAMMING LANGUAGES
- INCLUDES A HUGE MODEL LIBRARY TO HELP USERS GET UP TO SPEED
- EXTRACT, TRANSFORM AND LOAD DATA VIA A PLUGGABLE DATA IMPORT/EXPORT SYSTEM

THE GAMS MODELING PIPELINE

OUR PRODUCTS



- Platform independent algebraic modeling language
- Connected to a wide range of commercial and academic solvers
- APIs for C++, Java, Python, Matlab and more



- Deployment Environment
- Transformation of models into applications
- Rich set graphical output options
- Open source, extendable with custom code

ENGINE Centralized Hosting

- Solve GAMS models in the cloud or on-premise
- REST API for user & job management
- Built in GAMS job scheduling

PROBLEMS AND THEIR SOLUTIONS DIFFER, BUT WITH GAMS YOU FIND THE BEST-FITTING TOOLS. FOR SOLVING THE PROBLEMS AT HAND.



CONTACT US FOR CUSTOM-MADE SOLUTIONS AND ASSISTANCE ON YOUR INDIVIDUAL GAMS MODELS.



sales@gams.com