



MODEL – SOLVE – DEPLOY



GAMS MIRO

MODEL INTERFACE WITH RAPID ORCHESTRATION

GAMS MIRO is a solution that makes it easy to turn your GAMS models into interactive end user applications that you can distribute to your colleagues and even host on a webserver.

The user friendly interface allows you to interact with the underlying GAMS model, quickly create different scenarios, compare results and much more. MIRO's extensive data visualization capabilities provide you with the ability to create powerful charts, time series, maps, widgets, etc. with ease.

WHO SHOULD USE GAMS MIRO

BUSINESS

End users can make business decisions based on optimization software without the need for extensive Operations Research or GAMS expertise.

RESEARCH

Benefit from MIRO's advanced scenario and data management system that helps you focus on your research.

TEACHING

Give your students an accessible introduction to the topic of optimization or illustrate specific problems in detail.

WHY MIRO?

GAMS MIRO's features open up entirely new opportunities to share and distribute your models:

GRAPHICS

- Render GAMS Symbols with configurable standard graph types (Bar Charts, Scatter Plots, Pie Charts, etc)
- Slice and dice data across different dimensions using the powerful Pivot tool
- Save and retrieve visualizations as views

SCENARIO HANDLING

- Input and output data of individual model runs is stored in a database that comes with MIRO
- Tags allow categorization and easy retrieval of specific runs
- Hypercube jobs allow running multi-dimensional parameter sweeps

CUSTOMIZABILITY

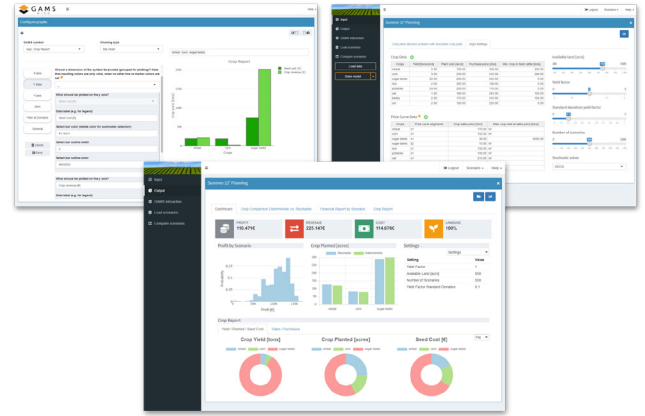
- MIRO is open source and based on R-Shiny
- Functionality can be extended by writing custom R code, e.g. to create complex data dashboards

ENHANCE YOUR MODEL DEPLOYMENT

DATA VISUALIZATION

One of the main features of GAMS MIRO is the visualization of data. Use the GAMS MIRO configuration mode to customize data visualization without any programming effort. Select suitable widgets and compile charts for a MIRO app with just a few clicks.

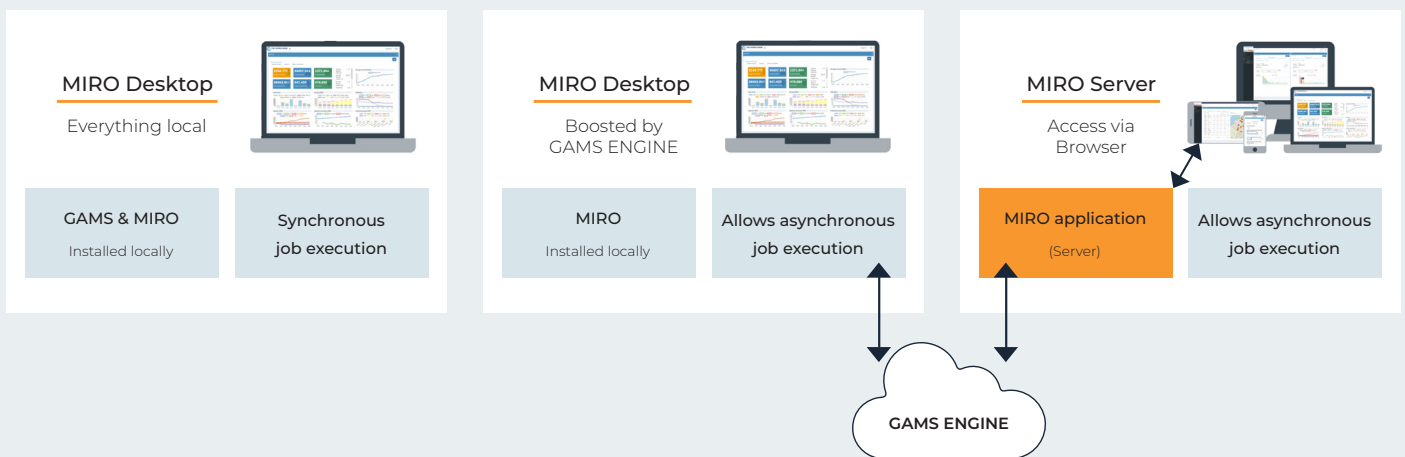
Supported by a live preview in a what-you-see-is-what-you-get fashion, you immediately see the results of your configuration.



YOUR GATEWAY TO RUN GAMS IN DISTRIBUTED ENVIRONMENTS

LOCAL OR CLOUD SETUPS

HOW TO USE GAMS MIRO



A fully local installation is ideal for development work. GAMS, solvers and MIRO all run on your local machine, no internet connection required.

One step up from the fully local installation, a local MIRO can run GAMS jobs on an instance of GAMS Engine. Benefits are:

- Asynchronous runs
- Usage of powerful server hardware for large models
- Central license administration

In MIRO Server setup both GAMS MIRO, and GAMS Engine run on server hardware. The MIRO user interface can be accessed via a webbrowser (all modern browsers including mobile devices are supported). Since no software other than a webbrowser needs to be installed on the client machines, this type of installation is ideal for teams that need to share models and applications with policy makers and other stakeholders within a large organization or even between countries.



VISIT OUR WEBSITE TO DISCOVER GAMS MIRO

