

什麼是 Gurobi

Gurobi 全名為 Gurobi Optimizer，是一套強大的規劃求解工具，其開發團隊為原 CPLEX 的開發團隊，在 CPLEX 轉售給 IBM 後成立。

Gurobi 可以求解的問題類型包括**線性規劃 (LP)**、二次規劃 (QP)、二次約束規劃 (QCP)、**混合整數規劃 (MILP)**、混合整數二次規劃 (MIQP)、混合整數二次約束規劃 (MIQCP) 等。

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The screenshot shows the Gurobi Optimization website. The header is dark blue with the Gurobi logo and navigation links: PRODUCTS, DOWNLOADS, RESOURCES, ACADEMIA, SUPPORT, and ABOUT. A search bar and a 'Register' button (highlighted with a red box) are also present. The main banner features the text 'An easier way to make better decisions.' and 'The state-of-the-art mathematical programming solver'. Below this, there are three columns: 'Learn About' (with a magnifying glass icon), 'Get Gurobi' (with a hand icon), and 'Use Gurobi' (with a wrench and screwdriver icon). Each column contains a brief description of Gurobi's capabilities. At the bottom, there is a 'Gurobi News and Events' section with a list of recent news items and a quote from users praising Gurobi's performance and support.

GUROBI
OPTIMIZATION

PRODUCTS DOWNLOADS RESOURCES ACADEMIA SUPPORT ABOUT

Search gurobi.com & the community

Login Register

An easier way to make better decisions.

The state-of-the-art mathematical programming solver

Gurobi Optimizer 6.0

- Faster times to feasibility and optimality
- No-surprises pricing
- Intuitive interfaces
- Easy-to-reach technical support

Get Started Today!

See what's new in v6.0!

Learn About

Gurobi builds and supports the best math programming solvers available for all major problem types. It's all we do...

Get Gurobi

We offer versions designed specifically for the needs of commercial, ISV, and academic users...

Use Gurobi

We've worked hard to make it easier to get started with or switch to Gurobi than you may have thought possible...

Gurobi News and Events

- [Dr. Robert Bixby Moves to Chief Strategy Officer Role](#) more...
- [See us at this Fall's INFORMS conference](#) more...
- [AIMMS releases new version for Gurobi version 6.0](#) more...
- [Highlights of Gurobi Optimizer 6.0](#) more...

What users are saying...

"Industry leading performance and incomparable support."

進入 Gurobi 官網

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Account Type:

☐ Commercial

☒ Academic

First Name:

*

Last Name:

*

Email Address:

*

University:

*

Academic Position:

Select one... ▼

Phone Number:

Check this box if you also consult with
commercial businesses: ☐

Access Now

Can't see the registration form above? [Click here](#) to open a new window and form you can use.

申請學術帳號

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Download Center

To use Gurobi, you need to first download the software and then get a license key.



Download the Latest Version of Gurobi

To download the Gurobi Solver, you need to be logged in. First [register](#), if you don't already have an account, and then [login](#), if you are not already logged in.


To get Gurobi, click on the Gurobi Solver link below. If you would like to use Gurobi from within AMPL, click one of the two AMPL links below or learn more on our [AMPL Software](#) page.

 [Gurobi Optimizer](#) [Gurobi Solver for AMPL](#)

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進入 Download 點選 GUROBI OPTIMIZER ~~下載當前版本~~

請同學下載7.5.2的版本！

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Download the Latest Version of Gurobi

To download the Gurobi Solver, you need to be logged in. First [register](#), if you don't already have an account, and then [login](#), if you are not already logged in.

To get Gurobi, click on the Gurobi Solver link below. If you would like to use Gurobi from within AMPL, click one of the two AMPL links below or learn more on our [AMPL Software](#) page.

[Gurobi Optimizer](#)[Gurobi Solver for AMPL](#)[AMPL & Gurobi Software](#)

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End User License Agreement ([View in PDF](#))

I accept the End User License Agreement: ☒

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I accept these conditions: ☒

We urge academic users to upgrade to the latest version of Gurobi Optimizer. Some features, such as `grbgetkey`, may not work correctly in older releases.

Request License

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[Home](#)[Downloads](#)[Licenses](#)[Your Gurobi Licenses](#)

License Detail

License ID 104551

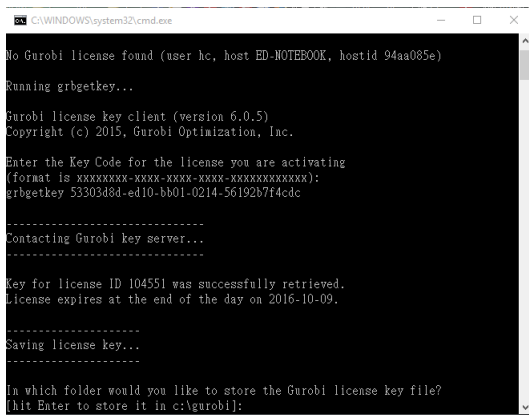
Information and installation instructions

License ID	104551
Date Issued	2015-10-10
Purpose	Trial
License Type	Free Academic
Key Type	ACADEMIC
Version	6
Distributed Limit	0
Expiration Date	2016-10-09
Host Name	
Host ID	

To install this license on a computer where Gurobi Optimizer is installed, copy and paste the following command to the Start/Run menu (Windows only) or a command/terminal prompt (any system):

```
grbgetkey 53303d8d-ed10-bb01-0214-56192b7f4cdc
```

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```
CA\WINDOWS\system32\cmd.exe

No Gurobi license found (user hc, host ED-NOTEBOOK, hostid 94aa085e)

Running grbgetkey...

Gurobi license key client (version 6.0.5)
Copyright (c) 2015, Gurobi Optimization, Inc.

Enter the Key Code for the license you are activating
(format is xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx):
grbgetkey 53303d8d-ed10-bb01-0214-56192b7f4cdc

-----
Contacting Gurobi key server...
-----

Key for license ID 104551 was successfully retrieved.
License expires at the end of the day on 2016-10-09.

-----
Saving license key...
-----

In which folder would you like to store the Gurobi license key file?
[hit Enter to store it in c:\gurobi]:
```

打開桌面的 Gurobi.bat，將您所拿到的 key 複製貼上到裡面，然後一直按 Enter 到這隻程式結束。

Visual Studio 連接設定

學校的 visual studio 2012 是 32 位元的版本，請同學注意 gurobi 也要下載 32 位元。

同學們可以將 gurobi 當作 library 來使用，但是要將他 include 進去程式裡還需要一些設定。