

# Setting Up - Gurobi

# Set Up Gurobi

- Register
  - Click here to **register** for a free Gurobi account as an academic, and **log in** before the following processes!
- Download
  - Click here to download **Gurobi Optimizer**
  - Which version do you need?
    - Check the **Release Notes** of each version to see the supported platforms and version of languages (MATLAB), e.g., the note of v.10.0.1

# Set Up Gurobi

- Installation
  - For Windows and Mac users, you can simply **double-click** on the installer you downloaded. It will guide you through the installation process
  - For Linux and AIX users, follow the guidance [here](#)
- Get a license
  - Step 1: Visit [here](#) to request a free Named-User License

## COMMERCIAL

## SUBMIT REQUEST

Click "GENERATE NOW" in the Named-User Academic block.

# Set Up Gurobi

- Get a license
  - Step 2: Receive the key, e.g., e91e8da4-b459-11ed-890e-0242ac120005
  - Step 3: Install the license by

Copy and paste the following command to the Start/Run menu (Windows only) or a command/terminal prompt (any system).

```
grbgetkey e91e8da4-b459-11ed-890e-0242ac120005
```



# Set Up Gurobi

- Get a license
  - If “grbgetkey command not found”, use the following command (or see the troubleshooting guide)
    - Linux:** `/opt/gurobi1001/linux64/bin/grbgetkey e91e8da4-b459-11ed-890e-0242ac120005`
    - MacOS:** `/Library/gurobi1001/macos_universal2/bin/grbgetkey e91e8da4-b459-11ed-890e-0242ac120005`
    - Windows:** `C:\gurobi1001\win64\bin\grbgetkey e91e8da4-b459-11ed-890e-0242ac120005`
  - Note: “gurobi1001” depends on the version installed
  - Or: Go to the path, open grbgetkey, input the key

# Set Up Gurobi

- Set up for MATLAB
  - Go to the following directory;
    - Linux:** `/opt/gurobi1001/linux64/matlab`
    - MacOS:** `/Library/gurobi1001/macos_universal2/matlab`
    - Windows:** `C:\gurobi1001\win64\matlab`
    - Again, “gurobi1001” depends on the version installed
  - Run file `gurobi_setup.m` using MATLAB
- Test
  - In the Command Window of MATLAB, run `yalmiptest`
  - If succeed, GUROBI will be found in the solver list

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- Reminder:
  - For Mac users, put the license file gurobi.lic into the User folder (which is also the default location when you install the license => don't change it). Otherwise, Gurobi may fail.
  - For Windows users, restart your computers if you are asked to do so by the operating system after you install the license. Otherwise, you may need to set up the environment variable for Gurobi manually.



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- Reminder:
  - For those who used Gurobi before:
    - Make sure your license is still valid; If expired, you may get an error when solving exercises:
      - Error: Dot indexing is not supported for variables of this type
  - To renew your license, check [here](#)