GAUSS™ 3.6

Quick-Start Guide
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Product Overview

GAUSS is a complete analysis environment suitable for performing quick calculations, complex analysis of millions of data points, or anything in between. Whether you are new to computerized analysis or a seasoned programmer, the GAUSS family of products combine to offer you an easy to learn environment that is powerful and versatile enough for virtually any numerical task.

Since its introduction in 1984, GAUSS has been a standard for serious number crunching and complex modeling of large-scale data. Worldwide acceptance and use in government, industry, and the academic community is a firm testament to its power and versatility.

The GAUSS System can be described several ways: it is an exceptionally efficient number cruncher, a comprehensive programming language, and an interactive analysis environment. GAUSS may be the only numerical tool you will ever need.
Installation Under UNIX/Linux

1. Make a directory to install GAUSS in.
2. `cd` to that directory.
3. Unzip the `.gz` file.
4. Untar the `.tar` file.
5. Put the installation directory in the executable path.
6. Put the installation directory in the shared library search path.

   For last minute information, see README.term.

Installation Under Windows

Machine Requirements

- A 486 computer or higher.
- Windows 95, 98, NT 4.0, or 2000.
- Memory requirements (RAM)
Windows 95/98: 16 MB minimum, 32 MB recommended.
Windows NT 4.0: 32 MB minimum, 64 MB recommended.
Windows 2000: 64 MB minimum, 128 MB recommended.

- Free hard disk space requirements:
  Minimum of 100 MB free hard disk space, more may be needed depending on the size of matrices and the complexity of the program.

### Installation from Download

**Downloading**

The production release is in GAUSS_3.6_Win_heavy.zip.

The GUI has online documentation in HTML format. There are also PDF versions of the Quick Start Guide and GAUSS manuals in this directory that you can download separately if you want them.

GAUSS_3.6_Manual.zip

**Installation**

Download GAUSS_3.6_Win_heavy.zip, unzip it in a temp directory, and run setup.exe.

If you are doing a command line ftp, once logged on you will be placed in the GAUSS35 directory and will have access to all files contained in that directory and no others. Remember to set the transfer protocol to "bin" before downloading binary files. Use the "get" command to get the files you want off the ftp site.

To install the license, please refer to Chapter 5: Licensing for instructions.

### Installation from CD

Insert the GAUSS 3.6 compact disc into the CD-ROM drive, and setup should start automatically. If setup does not start automatically, click Start, then click Run. Type D:\setup.exe in the dialog box (where D is the drive letter of the CD-ROM drive).

You can use this procedure for the initial installation of GAUSS, and for additions or modifications to GAUSS components.

To install the license, please refer to Chapter 5: Licensing for instructions.
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GAUSS User Guide

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**GAUSS Language Reference**

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Commands by Category
Command Reference
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Colors Appendix

**Ordering Documentation**

- GAUSS Language Reference (Part No. 1295)
- GAUSS User Guide (Part No. 1296)
- GAUSS Quick-Start Guide (Part No. 1294)
GAUSS for Windows Quick-Start Guide

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Licensing Under UNIX/Linux

After you install GAUSS or the GAUSS Engine, go to the FLEXlm subdirectory and run the following command:

```
% ./lmutil lmhostid
```

Send the output to license@aptech.com, and you will be sent a license code. Create a file called `gauss.lic` in the FLEXlm subdirectory, and copy the license code into it.

If you have purchased a Single User or Server Locked license, the program is now ready for use. If you have purchased a floating network license, you have to start the `lmgrd` license server daemon first. Go to the FLEXlm subdirectory and run the following command:

```
% ./lmgrd -c gauss.lic -l lmgrd.dl
```

For Network licensing see your system administrator to have the license daemon started automatically in the operating system start-up scripts.

For last minute information, see README.term.
Licensing Under Windows

Single User License

1. E-mail or FAX your completed registration form containing your contact information, serial number and the hostid that was displayed during installation to Aptech Systems. NOTE: The information displayed, is stored in the hostid.txt file in your <GAUSSHOME>\flexlm directory as well. Be sure to include your phone number, e-mail address and/or FAX number. E-mail is the preferred method for returning licenses.

   If you need to obtain the hostid after installation:
   a. Open DOS prompt window
   b. CD <GAUSSHOME>\flexlm
   c. type the command
      notepad hostid.txt
   d. send the contents of this hostid.txt file to Aptech.

   If your machine is a laptop or your only connection is via modem you will need to verify your hostid after installation is complete by:
   a. Reboot machine
   b. Open DOS prompt window
   c. CD <GAUSSHOME>\flexlm
   d. type the command
      lmhost >> hostid.txt
   e. type the command
      notepad hostid.txt

   If the hostids are the same, please send us the results.

   If they are not, please:
   a. Open DOS prompt window
   b. CD <GAUSSHOME>\flexlm
   c. type the command
      lmhost -pin > hostid.txt
   d. send the contents of the hostid.txt file to Aptech.

   E-mail to license@Aptech.com
   or
   FAX to (425) 432-7832

2. Aptech will send you a license. Save it in a file called gauss.lic in the <GAUSSHOME>\flexlm directory. NotePad is the recommended editor.
**Floating Network License**

Every Installation of GAUSS 3.6 can act as a Floating Network License server. You can have a single license server or 3 redundant servers.

**Install License Servers(s)**

Install GAUSS 3.6. For initial testing and trouble shooting you will need GAUSS.exe file installed. However if you are short on hard drive space, after you have confirmed that the FLEXlm License Manager is running correctly, you can delete the shortcuts off the desktop and remove all files in the GAUSS36 directory except for the flexlm directory.

**Obtain and Install License**

To get the hostid of each license server, which is displayed during the gauss36 install, it is also stored in the <GAUSSHOME>\flexlm\hostid.txt file.

1. E-mail or FAX your completed registration form containing your contact information, serial number and the hostid that was displayed during installation to Aptech Systems. NOTE: The information displayed, is stored in the hostid.txt file in your <GAUSSHOME>\flexlm directory as well. Be sure to include your phone number, e-mail address and/or FAX number. E-mail is the preferred method for returning licenses.

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   or

   FAX to (425) 432-7832

2. Aptech will send you a license. Save it in a file called gauss.lic in the <GAUSSHOME>\flexlm directory. NotePad is the recommended editor.

3. Aptech will send you one or more licenses, depending on the number of increments you purchased. Save all of them in a file called 'gauss.lic'. Copy gauss.lic to the license server installation directory on each server.

**Configure License Server(s)**

1. Launch LMTOOLS from the GAUSS36 program group

2. Select the "Configuration using Services" radio button

3. Select "Configure Services" tab
   a. Specify Service Name, we suggest "GAUSS License Server"
   b. Complete the next 3 fields
   c. "Path to the lmgrd.exe file"
**Licensing**

1. Email or FAX your completed registration form containing your contact information, serial number and the hostid that was displayed during installation to Aptech Systems. Be sure to include your e-mail address and/or FAX number. E-mail is the preferred method for returning licenses.

   E-mail to license@Aptech.com

   or

   FAX to (425) 432-7832

2. Aptech will send you a license. Save it in a file called 'gauss.lic' in the <GAUSSHOME>/flexlm directory.

   GAUSS is now ready to run.
GAUSS, GAUSS LIGHT, GAUSS ENGINE, GAUSS RUN-TIME ENGINE, GAUSS RUN-TIME MODULE & GAUSS APPLICATIONS LICENSE AGREEMENT

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