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Before You Begin

Thank you for purchasing ACD/Labs software. We have endeavored to produce innovative software that aids chemical research scientists worldwide with spectroscopic validation of structures, elucidation of unknown substances, chromatographic separation, medicinal chemistry, preformulation of novel drug agents, systematic nomenclature generation, and chemical patenting and publication.

About This Installation Guide

This guide provides a description of installing and registering ACD/Labs software.
The screen shots shown throughout this guide have been taken with a relatively small window size.
The colors and other properties of the window elements described throughout this document correspond to the Windows Classic Theme (with dismissed gradients) of the operating system’s Display Properties.
This guide is provided in electronic form, readable with Adobe software. If you cannot locate an index topic you need, please do a text string search for the relevant word or phrase, or related words.

Terms

The <ACD12> directory is a directory on the hard drive where the ACD/Labs software applications are installed.
The <ACDLABS> folder is a folder accessible via the Program menu where the ACD/Labs software shortcuts are registered.

For More Information...

To see the latest in ACD/Labs software and services, please visit our Web site at http://www.acdlabs.com/
Our Web site is being accessed at the rate of tens of thousands of “hits” per day. There’s a reason for this: much is offered through our Web site. We offer free ChemSketch, an ACD/LogP Freeware Add-on for ChemSketch, a free ISIS 3D Add-in, free ChemDraw extensions, and a free 2-week demo key for “Interactive Laboratory” sessions where you can run test calculations using Java applets without purchasing software. There are TechSmith Camtasia-based movies which show the operation of many of our software packages (especially ChemSketch) available for download.
We are constantly updating the information on our Web site. The Web site will tell you at which scientific conferences you can visit the ACD/Labs booth. You can browse the Frequently Asked
Questions page or drop in and “chat” on our newsgroup, which can also be reached via our Web page.

If you would like to stay informed of the latest developments in chemical software at ACD/Labs, please be sure to sign up for e-mail broadcasts at our Web site page:

http://www.acdlabs.com/feedback/mailing.html

If you would like to participate in the ACD/Labs forums, please access:

http://forum.acdlabs.com

**How to Contact Us**

We are accessible through our Web site, phone, fax, and regular mail, but by far the most popular way to contact us is via electronic mail. Questions on pricing, sales, availability, and general issues should be directed to:

info@acdlabs.com

Technical and scientific support issues should be addressed by visiting:

http://support.acdlabs.com

Please tell us the name of the software purchaser; the product name, version number, build number, and license ID of the product you are contacting us about (from the Help menu, choose About to find this information); as well as a description of the problem you are having. If applicable, please tell us the name of the distributor from whom you purchased the software.

**Online Updates**

Updates of our Desktop and Enterprise products are made throughout the year. These intermediate releases (bringing the actual version number of a program, for example, from N.00 to N.01) often contain new functionality along with additional bug fixes and support for new file formats. To check if there is a new update available and to have this sent to you, please contact your local agent or our Technical Support Department. Before calling, we recommend that you have ready the name of the software purchaser, the product name, version number, build number, and license ID of the product you are contacting us about.

All Desktop ACD/Labs software contains the capability to have software updates delivered online. You will need the registration numbers of the software and an Internet connection from the same computer on which the software is installed. For more information, refer to the ACD/Updater User’s Guide located in the ACD/Labs documentation folder, \DOCS\UP_CLNT.PDF.
1. Introduction

1.1 Types of ACD/Labs Products

To get a general idea of what types of ACD/Labs products are available, refer to the following scheme:

Note: If you have several ACD/Labs distribution packages, remember that server products should be installed first.

1.1.1 Application Products

The heart of the software is the executable program. Examples of the application product are ACD/ChemSketch and ACD/SpecManager.

Network Packages contain versions of applications that can be run both from the network (from a remote drive) and the local disk. A network version will be set up for a certain number of people who can use the software simultaneously ("concurrent users"). The N-user network versions are further divided into two types:

- **Unlimited Seats Network Packages** can be accessed from any computer on the network, but only N concurrent users are permitted.
- **Limited Seats Network Packages** can be accessed from only certain computers on the network, and permit N concurrent users. Packages of this type have two restrictions: on the number of simultaneous network users (N) of a package on different computers and on the general number of computers (or seats, S) on which the applications from the package can be run.
1.1.2 Database Products

Database products contain organized sets of information. The databases from the registered packages can be used in the versions of ACD/Labs applications that are designed for working with databases. For example, the HNMR database is accessed through the ACD/HNMR Predictor interface.

1.1.3 Add-on Products

Add-on products contain add-on modules that are accessed by the main program (application). An add-on extends the program’s possibilities and functions in a significant manner. For example, ACD/Boiling Point is an add-on module for ACD/ChemSketch, thereby allowing you to calculate boiling points directly from ChemSketch. Installing the add-on product allows the registered modules to be used together with the application.

1.1.4 Server Products

Server products are similar to Applications but designed to perform specific tasks. They work only on Windows NT-based operating systems (2000/XP/Server 2003/Vista) and contain products such as ACD/License Server, ACD/I-Lab for Intranets Server, etc. For more information, refer to the corresponding server’s technical documentation.

1.2 Types of License Management

ACD/Labs software can be supplied with one of two types of the license management system: peer-to-peer or client-server. In the peer-to-peer model, hosts running ACD/Labs software will find each other automatically without asking any information from the user. For the client-server model, ACD/License Server is required for the license management and allows you to manage numerous ACD/Labs licenses at multiple locations.

For ACD/License Server, you must designate one computer (host) on the network to be a license server, install ACD/License Server software on it, and specify information about the license server on every computer where you want to use the ACD/Labs software. For instructions on how to install the server part, refer to Section 5.2. For instructions on how to install the client part, refer to Section 2.2.1.
2. Installing and Registering ACD/Labs Software

This chapter will familiarize you with the basics of installation and registration of the regular ACD/Labs software.

2.1 System Requirements

2.1.1 ACD/Labs Package

In order to successfully install and run the ACD/Labs software, the following system requirements should be met:

**Desktop Products**

*Operating System:*
- Microsoft Windows 2000 Professional with SP4 or above
- Microsoft Windows XP Professional with SP2 or above
- Microsoft Windows Vista

*Hardware:*
- Recommended requirements of the operating system used (please refer to the manufacture for these specifications) plus
- A minimum of 1 GB of RAM memory (unless otherwise specified)
- 1 GB local disk space for installation and log files

**Note**  Processor requirements will vary by application and use. Disk space requirements for user data files will vary by application and use.

**Server Products**

*Operating System:*
- Microsoft Windows 2000 Professional with SP4 or above
- Microsoft Windows XP Professional with SP2 or above
- Microsoft Windows 2000 Server with SP4 or above
- Microsoft Windows Server 2003 with SP1 or above
- Microsoft Windows Vista
Installing and Registering ACD/Labs Software

Hardware:

- Recommended requirements of the operating system used (please refer to the manufacture for these specifications) plus
- A minimum of 1 GB of RAM memory (unless otherwise specified)
- 1 GB local disk space for installation and log files

**Note**  Processor requirements will vary by application and use. Disk space requirements for user data files will vary by application and use.

Moreover, the server housing the program files can be any type of file server with the following requirements:

- The file server must be visible through the network via Windows Explorer;
- The folder with the ACD/Labs package should be located on the mapped drive (the drive with the client installed);
- The bandwidth between the server and the clients must be at least 10 Mbit/s;
- The installation directory on the file server must be writeable by the user performing the client installation at this time. After installation, permissions may be set to read-only.

**Note**  If you have purchased an ACD/Labs package with the ACD/License Server application, you need to allot a separate server machine for installation of ACD/License Server.

If you have purchased an ACD/Labs package with products that require Java software, the required version of Java must be installed in advance. Java software can be downloaded from [http://java.sun.com/](http://java.sun.com/). For details, refer to the installation manuals of the corresponding ACD/Labs products.

### 2.1.2 ACD/License Server

In order to successfully install and run ACD/License Server, you need the following:

- An IBM-PC or compatible platform with a Pentium / 1 GHz or higher microprocessor;
- 7 MB of free disk space for installation;
- A Windows 2000 (SP4 or above), Windows XP (SP2 or above), Windows Server 2003 (SP1 or above), or Windows Vista Operating System; and
- A minimum of 512 MB of RAM memory.

You should install the server on a machine that also meets the following criteria:

- has a fixed IP address (i.e., it is not a laptop); and
- has TCP/IP protocol installed.

**Note**  To ascertain that TCP/IP is installed and functioning properly, you can check that another machine on the network can identify the machine where you plan to install ACD/License Server. On another machine, from the **Start** menu, choose **Run**. In the **Open** box, type `ping <name of the machine where the ACD/License Server will be installed>`. Click **OK**. If the first machine can identify the second machine on the network, an MS-DOS window opens, and four successful reply messages appear. If the first machine cannot identify the second machine on the network, an MS-DOS window opens, but there are no successful reply messages.

Note that once you have installed ACD/License Server, it must be running whenever you use the ACD/Labs software.
2.2 Installing ACD/Labs Programs

2.2.1 Installation Procedure

If you have purchased several ACD/Labs programs, you can install all of them to the server at one sitting. The estimated installation time is 20 to 30 minutes for the entire set. If you have a registered version of ACD/Labs software, you will need the certificates with the registration keys during the installation.

**Important** If you have several ACD/Labs distribution packages, remember that server products should be installed first. To be able to install or uninstall ACD/Labs packages under Windows 2000/XP/Server 2003, you should have rights to write to the local folders, system folder, and the HKEY_LOCAL_MACHINE and HKEY_CLASSES_ROOT Windows registry keys. This typically corresponds to administrator privileges.

If you have purchased an ACD/Labs package with ACD/License Server, you need to install ACD/License Server on the server site prior to this procedure. For more information, refer to Section 5.2.

1. With Windows running, quit all of other software applications.
2. Insert the DVD/CD-ROM with the ACD/Labs installation package into the corresponding drive. At this point, Windows should automatically launch the ACD/Labs software splash screen.
3. Click **Install Software** to begin the installation process.

**Note** If the splash screen does not automatically appear, run SETUP.EXE from the ACD/Labs installation package.
4. When setup program runs, follow the instructions of the ACD/Labs Software Setup Wizard that appears.

**Tip** You can conveniently perform the installation on a number of computers of your local network in silent mode using either the proprietary ACD/Labs or standard Windows Installer (MSI) scripts. With this installation mode chosen, the ACD/Labs Software Setup Wizard displays the specific Administrative Page panel in the beginning of the primary installation process. For more information on the mode, refer to Section 5.3.
5. After you accept the terms of End-User License Agreement, you will proceed to the following panel where you should type your name, company name, and registration key(s):

In the Registration Keys area, different box types can be displayed depending on the specific ACD/Labs package to be installed:

- **Key for Main Programs**: This is for ACD/Labs applications such as SpecManager, ChemSketch, 3D Viewer, HNMR, and so forth. This is an essential key for any package that includes applications.

- **Key for Add-ons**: This is for a software option for the regular version of the programs. An add-on module normally appears as an extra button or set of buttons in the regular version. Examples include ACD/Dictionary, ACD/Boiling Point, and so forth. This is an optional key—if you do not have this key in the Certificate, leave this field empty.

- **Key for Databases**: This is for an extra database which will be added onto a regular version of the program. The database can be viewed and searched directly by the user. Examples include the ACD/Labs HNMR and CNMR databases. This is an optional key—if you do not have this key in the Certificate, leave this field empty.
• **Key for Servers:** This is for ACD/Labs servers such as ACD/I-Lab for Intranets Server, ACD/Web Librarian Server, ACD/Update Server, and so forth. This is an essential key for any type of package that includes servers.

  **Note** If you see a single field for entering a registration key in the Wizard, you should type the registration key of your ACD/Labs package only.

  The registration key(s) is(are) printed on a special **Certificate of Authenticity** which is shipped with our software. Please keep this certificate in a secure location; it is your proof of ownership and we cannot issue another one.

  The ACD/Labs Registration utility allows you to specify registration keys while registering program versions on your local computers, as well as to change, add, or delete registration keys of ACD/Labs packages if required. You can also review the contents of each package and edit the user and company names. For more information, refer to Chapter 3.

  6. As soon as you type the registration key(s), click **Next** to view the list of available software. Scroll down to see all of the products that will be installed to your hard drive. To see the movies, example files, and documents that will also be installed for each package, click **Details**. You may choose whether to install them or not by selecting the corresponding items in the list. You can also specify the directory where the package should be installed. Note that if you already have earlier versions of the ACD/Labs software (e.g., version 9.0), use a new directory name for the current set. If there is not enough space for installation of the selected software, you will be prompted to change the installation directory.

  Click **Browse** to change the directory.

  **Note** ACD/ChemSketch must be installed to the same directory to which other ACD/Labs programs are installed. This is because it is the structural input interface for all of the ACD/Labs software.

  7. Click **Next** and specify the folder where program shortcuts will be placed.
8. If you purchased an ACD/Labs package without ACD/License Server, the panel described in this point will not appear, so skip this step. Otherwise, the following panel appears allowing you to specify information related to ACD/License Server:

![ACD/Labs Software Setup Wizard](image)

**ACD/Labs License Server Settings**

Specify ACD/Labs License Server connection settings here

Enter information required for the ACD/Labs License Server. To supply this information later leave License Server Address or Port empty and continue setup. In this case the information will be requested on the start of ACD/Labs software.

- **Address**: server.mycompany.com
- **Port**: 7199
- **Connect via HTTP proxy server**
- **Address**: proxy.mycompany.com
- **Port**: 8000
- **Need proxy authentication (HTTP, Basic method)**
- **Name**: john
- **Password**: ********

**Tip** If you don't know the requested information yet, clear the **License Server** check box, and specify the information later at the first start of the ACD/Labs programs.

9. Click **Next** and the setup program may recommend that you install some additional items such as Adobe Acrobat Reader (some ACD/Labs packages contain documents in Adobe PDF format) or ChemBasic goodies (additional tools for ACD/ChemSketch that enhance its capabilities). Choose to either install them or not, and click **Next**.

10. At the final step, the wizard displays the installation details: the list of products and the folder where they will be installed. You are ready to begin installation. Click **Install** to start the installation process.
11. After the installation has been successfully completed, in the wizard, click Finish. If the Open ACD/Labs Software Folder check box is selected, the ACD/Labs Program Group window will be displayed. It contains icons for all of the currently installed ACD/Labs programs.

Note Documentation files and movies for the software (if you have chosen to install them) can be found in the DOCS and MOVIES subfolders of the ACD/Labs installation folder that are installed during a regular installation.

2.2.1.1 Setting Up Network ACD/Labs Software for Local Access (Local Setup)

To be able to work with the ACD/Labs software located on the network from the client computer, it is necessary to perform a local setup for each.

Note Local setup should only be carried out on the client computers.

Local setup does the following:

- Creates icons on the local computer;
- Copies system files into the Windows System folder;
- Registers OLE components (updates the Windows registry); and
- If necessary, installs additional components (Adobe Acrobat Reader, etc.).

Important To be able to perform local setup under Windows 2000/XP/Server 2003, you should have permission to modify HKEY_LOCAL_MACHINE and HKEY_CURRENT_USER registry keys and Windows System directory on the local computer.

1. Prior to setting up local installations, ensure that the installation directory (on the server) is mapped to a drive letter on the client. The network user performing the installation must have write privileges to the installation directory and local Administrator privileges on the client computer.

2. On the client computer, open the ACD12\SET UP directory (that was created on a network computer during the installation), and then double-click LSETUP.EXE to perform the local installation.

Note The network usage of your ACD/Labs network software can be monitored (but not controlled) through the ACD/Network Monitor program—ACDNMON.EXE. For more details, refer to Section 5.4.

2.2.2 ACD/SpecManager Enterprise

Install the ACD/SpecManager software package onto the server and each of the client computers based on the license agreement purchased as outlined above. For more information on how to configure and administer SQL databases, register users, and grant permissions on the server, refer to the ACD/SpecManager Enterprise Administrator’s Guide located in the ACD/Labs documentation folder, \DOCS\SPEC_SQL.PDF.

Important If you are running a 64-bit version of Windows then you will need to have the ACD/SpecManager software package installed within the folder without parentheses in the name—for example, the default C:\PROGRAM FILES (X86)\installation folder name will cause an error message during further work with the ACD/Labs Oracle Schemas in the ACD/SpecManager Enterprise databases. This is due to known bug in the Oracle links.
2.2.3 ACD/Labs Add-ins for ISIS

Install the ACD/Labs Add-in package on the server and each of the client computers based on the license agreement purchased as outlined above. For more information on how to integrate MDL ISIS and ACD/Labs software, refer to the ACD/Labs Add-ins for ISIS/Host, ISIS/Base and ISIS/Draw User’s Guide located in the ACD/Labs documentation folder, \DOCS\ISISADD.PDF.

2.2.4 ACD/Web Librarian Server

Install server applications on the local disk of the server computer. For more information on how to install the ACD/Web Librarian Server application, refer to the ACD/Web Librarian Administrator’s Guide located in the ACD/Labs installation folder, \WEBLIB.SRV\DOCS\WEBLIB_A.PDF.

Important If you are running a 64-bit version of Windows then you will need to have the ACD/Web Librarian package installed within the folder without parentheses in the name—for example, the default C:\PROGRAM FILES (X86)\ installation folder name will cause an error message during further work with the ACD/Labs Oracle Schemas in the ACD/SpecManager Enterprise and ACD/ChemFolder Enterprise databases. This is due to known bug in the Oracle links.

2.2.5 ACD/NuGenesis Integration Server

Install server applications on the local disk of the server computer. For more information on how to install the ACD/NuGenesis Integration Server application, refer to the ACD/NuGenesis Integration Administrator’s Guide located in the ACD/Labs installation folder, \NUGEN.SRV\NGI_A.PDF.

2.2.6 ACD/Predictors for Intranets Server

Install server applications on the local disk of the server computer. For more information on how to install the Predictors for Intranets Server application, refer to the ACD/I-Lab: Intranet Edition located in the ACD/Labs documentation folder, \DOCS\IL_INTRA.PDF.

2.2.7 ACD/Update Server

Install server applications on the local disk of the server computer. For more information on how to install the ACD/Update Server application, refer to the ACD/Update Server Administrator’s Guide located in the ACD/Labs documentation folder, \DOCS\UP_ADMIN.PDF.
2.2.8 ACD/Workflow Manager Server

Install server applications on the local disk of the server computer. For more information on how to install the ACD/Workflow Manager Server application, refer to the ACD/Workflow Manager Reference Manual located in the ACD/Labs installation folder, \DOCS\WFM_R.PDF.

**Important** If you are running a 64-bit version of Windows then you will need to have the ACD/Workflow Manager Server application installed within the folder without parentheses in the name—for example, the default C:\PROGRAM FILES (X86)\ installation folder name will cause an error message during further work with the ACD/Labs Oracle Schems in the ACD/SpecManager Enterprise databases. This is due to known bug in the Oracle links.
3. More on Registration

3.1 ACD/Labs Registration Dialog Box

The **ACD/Labs Registration utility** allows you to specify registration keys while registering program versions on your local computers, as well as to change, add, or delete registration keys of ACD/Labs packages if required. You can also review the contents of each package and edit the user and company names.

To start the utility, in the ACD/Labs installation directory, double-click REGISTER.EXE.

In the **ACD/Labs Registration** dialog box that appears, you can specify registration keys of ACD/Labs products packages, and change both user and company names:

![ACD/Labs Registration Dialog Box](image)

<table>
<thead>
<tr>
<th>User Name:</th>
<th>Company:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Text Input Field]</td>
<td>[Text Input Field]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List of Registration Keys</th>
<th>Registration Key Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 113************4QV</td>
<td>Expires on 31 Dec 2007</td>
</tr>
<tr>
<td>2. 47W************238</td>
<td>Servers</td>
</tr>
<tr>
<td>3. 47W************6UW</td>
<td>Program version: 9.00</td>
</tr>
<tr>
<td><strong>4. 47W</strong>**********E7F**</td>
<td>Concurrent users allowed: 100</td>
</tr>
<tr>
<td>5. 8R3************2VF</td>
<td>ACD/Labs Product 1</td>
</tr>
<tr>
<td>6. 8R3************MA7</td>
<td></td>
</tr>
<tr>
<td>7. 8R3************K6M</td>
<td></td>
</tr>
<tr>
<td>8. 94B************T56</td>
<td></td>
</tr>
<tr>
<td>9. 94B************X1ADC</td>
<td></td>
</tr>
</tbody>
</table>

[Activation...] [New...] [Delete] [Import...] [OK] [Cancel] [Help]
The dialog box contains the following options:

<table>
<thead>
<tr>
<th>Option/Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message box</td>
<td>Displays context information when registering the package.</td>
</tr>
<tr>
<td>User Name/Company</td>
<td>In this boxes, specify the appropriate User and Company names when registering the package. Note that these fields are usually filled in during installation.</td>
</tr>
<tr>
<td>List of Registration Keys</td>
<td>Displays the list of registration keys.</td>
</tr>
<tr>
<td>Registration Key Description</td>
<td>Displays the expiration date, type of the package, version key, licensing information, and contents of the package whose registration key is currently highlighted in the list of registration keys. This list cannot be edited.</td>
</tr>
<tr>
<td>Activation...</td>
<td>Click this button to display the Activation dialog box where you can activate your registration keys. Note that this button appears in the dialog box only in case the registration key you have entered requires activation (i.e., the Activation Required! message emerges the first time you run an application from the package, and the key line is respectively marked in the List of Registration Keys box).</td>
</tr>
<tr>
<td>New...</td>
<td>Click this button to display the Enter Registration Key dialog box where you can enter a new registration key.</td>
</tr>
<tr>
<td>Delete</td>
<td>Click this button to remove the currently selected registration key. After the registration key is removed, the corresponding package cannot be run on the current computer. Note that after you have deleted a registration key, you should authorize your action by re-entering any of the remaining registration keys. Only in this case the OK button becomes available.</td>
</tr>
<tr>
<td>Import...</td>
<td>Click this button to display the Select Reg-Info File to Import dialog box where you can specify the name and location of the RINFO32.DAT file containing registration keys and information about the registered seats. Data from this file will be automatically added to the dialog box. Note that if the registration keys have been imported, you should authorize your action by re-entering any of the registration keys. Only in this case the OK button becomes available.</td>
</tr>
</tbody>
</table>

### 3.1.1 Registering ACD/Labs Packages

As you open the ACD/Labs Registration dialog box, you can see a list of partially shown keys.

#### To register any package:

1. In the List of Registration Keys box, double click the key of the package you want to register.
2. In the Enter Registration Key dialog box that appears, type the complete registration key, and click OK to add the key to the list.
3. If your registration key requires activation code, click Activation... to perform the code-requesting procedure. For more information, refer to Section 3.1.4.

   **Tip** You can also perform the registration from the command line. For more details, refer to Section 5.1.
3.1.2 Managing Registration Keys

In the ACD/Labs Registration dialog box, you can conveniently manage registration keys of your ACD/Labs package(s).

To re-enter a key:

1. Double-click it in the List of Registration Keys box, and then, in the Enter Registration Key dialog box that appears, type the complete registration key.
2. Click OK to add the key to the List of Registration Keys box.

To add a new key:

1. Click New to display the Enter Registration Key dialog box.
2. In the dialog box, type the complete registration key, and click OK to add it to the List of Registration Keys box.

   Note In the dialog box, you can simultaneously input as many keys as you need (in the form of a list).

To delete an existing key:

- Select it in the List of Registration Keys box, and then click Delete.

To import keys from the RINFO32.DAT file:

1. Click Import to display the Select Reg-Info File to Import dialog box where you can specify the name and location of the .DAT file containing the registration data.
2. Click OK to add the keys to the List of Registration Keys box.

   Important After you delete or import registration keys, you should authorize your action by reentering any of the remaining registration keys.

3.1.3 Adding a License to a Network Package

If you already have a network package (for example, for 10 users), and you want more users to access the package, you have to request Advanced Chemistry Development, Inc. (http://support.acdlabs.com) for another license allowing you to add them.

After you have received a new registration key for the new license:

1. Run REGISTER.EXE, then, in the ACD/Labs Registration dialog box that appears, click New.
2. In the Enter Registration Keys dialog box that appears, enter the new key, and click OK to add it to the List of Registration Keys box.

   Note Command-line registration can be very helpful for large installations. Refer to Section 5.1 for details on this utility.
3.1.4 Activating Registration Keys

Some of the registration keys supplied along with ACD/Labs packages may require activation codes (i.e., the Activation Required! message emerges the first time you run an application from the package, and the key line is respectively marked in the List of Registration Keys box).

To perform the code-requesting procedure:

1. In the List of Registration Keys box, select the key that requires activation, and then click Activation....

2. In the Activation dialog box that appears, click Ask for Activation... The Activation E-Mail dialog box appears containing fields filled with the respective request information as shown in the example below:

   ![Activation E-Mail](image)

   - To: "ACD activation" <activation@acdlabs.com>
   - Subject: Activation key required

   Hello ACD/Labs!
   Please send me the activation key for the following registration numbers:
   9436666666DRF

3. In the dialog box, click Send E-Mail to switch to your e-mail program and submit the request message to activation@acdlabs.com.

4. Click OK to close the dialog box.

5. After you have received the response e-mail message containing the code string, in the Activation dialog box, click Activate Keys...:

6. In the dialog box that appears, input the code string, and then click OK to complete the registration key's activation procedure and return to the Activation dialog box.

7. Click Close.

3.1.5 Re-Registering ACD/Labs Packages

If you install versions on a local disk, the registration data for the licensed software is "bound" to the current computer (to BIOS, DISK ID). Thus, if any computer characteristics are changed (for example, the directory with the package is moved to another computer, BIOS or hard drive is changed, etc.), it will be necessary to register the package again. For more information, refer to Section 3.1.1.
3.1.6 Running ACD/Labs Registration on Windows Vista

In Windows Vista, when User Account Control (UAC) is enabled, a standard user is not permitted to write to the PROGRAM FILES directory. The ACD/Labs package should be installed to an appropriate directory in PROGRAM FILES by default. Therefore, running ACD/Labs Registration utility correctly requires administrator privileges.

There may be a situation when you do not have enough permission to write to the ACD/Labs package directory. The possible reasons and solutions of such a problem are listed below.

- User Account Control is disabled. In this case, you should have the permissions to write to the ACD/Labs package directory.
- User Account Control is enabled. The ACD/Labs package is installed in the directory not protected by UAC (not in the PROGRAM FILES folder). In this case, you should have the permissions to write to the ACD/Labs package directory.
- The ACD/Labs package is installed on the network drive. User Account Control is enabled. In this case, you can set the registration keys only by using the Remote Desktop features. You should have the permissions to write to the ACD/Labs package directory.
- The ACD/Labs package is installed on the network drive. User Account Control is disabled. In this case, two ways are possible:
  - You can use Remote Desktop. Here you should have the permissions to write to the ACD/Labs package directory.
  - You can run the program through sharing. Here you should have the permissions to write via sharing and to write to the ACD/Labs package directory.

**Note** Windows Vista requires that permissions to write by means of sharing should be granted only to an individual user account.
4. Uninstalling ACD/Labs Software

1. Quit all of the ACD/Labs programs.

Note For the Network version, you should run LUNSETUP.EXE on client workstations before the ACD/Labs product deinstallation from the server computer. Make sure that nobody is working with the ACD/Labs package; use ACD/Network Monitor for this purpose (refer to Section 5.4).

2. In Control Panel, click Add or Remove Programs.

Important To uninstall the ACD/Labs package, you must have local administrator privileges.

3. In the list of software installed on your computer, select the ACD/Labs program to be removed. If you have several packages installed in different directories, select the one you require—you can distinguish it by the folder that follows the package name.

4. Click Change/Remove. If you have several packages installed to one directory, the dialog box appears prompting you to select the package that should be removed. Note that the packages that were installed after the selected one will be removed as well, and you can only add them back by installing them again.

For example, on March 1 you installed Package 1 containing ACD/ChemSketch and ACD/ChemFolder to C:\ACD12. Then, on March 6, you installed to the same directory Package 2 containing ACD/ChemSketch and ACD/HNMR Predictor, and, on March 26—one more package, Package 3, containing ACD/ChemSketch and ACD/CNMR Predictor. With the attempt to uninstall Package 2 from C:\ACD12, Package 3, installed later, will be uninstalled as well. But ACD/ChemSketch will remain since it is present in the earlier Package 1.

5. As soon as the deinstallation is finished, you should see the corresponding message. If you have other ACD/Labs packages installed to other directories, and the Local Setup script is present in any of them, you will be prompted to perform local setup. The reason is that the deinstallation procedure removes some registry records that may be required by other ACD/Labs packages, and running local setup recovers them.

Note It is not necessary to perform local setup for users who have rights to write to the registry, since the subsequent run of any ACD/Labs program from the remaining package recovers registry records. This is essential for cases when deinstallation is performed, for example, by the administrator under the Windows NT-based operating system. In this case, other users who have no rights to write to registry will encounter problems with running the remaining packages after deinstallation.

Additional items installed together with the ACD/Labs package (such as Adobe Acrobat Reader and DCOM for Windows 95 required in earlier versions of the ACD\Labs software) will not be removed with this deinstallation procedure.
5. Technical Notes for System Administrators

This chapter is designed for System Administrators to aid in the installation procedure for a bulk of computers.

For example, you have a network containing 50 computers, and you have purchased the ACD/Labs Network package with a limited number of seats. How do you install and register it for all of the computers more efficiently?

If you have your own redistribution scheme for a bulk installation, you can use it for the ACD/Labs packages as well. Note that you can use the command-line strings to register specific user as described in Section 5.1.

You can use the silent installation option that is available for the ACD/Labs packages as described in Section 5.3.

5.1 Running ACD/Labs Registration from the Command Line

There may be circumstances such as a call from another program or from the command line. The following options are available:

```
register.exe [/A NUMBER] [/U NUMBER]
```

where

/A NUMBER—adds the specified registration key, updates file with registration information and closes REGISTER.EXE automatically. Note that this command can be used for adding new keys only. If you insert a key existing in the RINFO32.DAT file, the error message appears.

For example,

```
C:\Program Files\ACD\register.exe /ANNN123456W777
```

/U NUMBER—searches for the specified key given in the current list of valid registration keys. If the key is valid the local computer is registered. Generally, this command is used to register software installed on a local disk after all of the files (including RINFO32.DAT created by installation program) have been copied on the disk.

For example,

```
C:\Program Files\ACD\register.exe /UXYZ123456VV67
```

Note There is no space between /A or /U and registration keys. The key consists of alphanumeric characters provided on the Certificate of Authenticity and is case-sensitive!
5.2 Installing the ACD/License Server

For the ACD/Labs packages with ACD/License Server only

The ACD/License Server software package is supplied on a single installation disk and must be installed prior to ACD/Labs package deployment.

1. Allot a separate NT-based server where ACD/License Server to be installed.

2. Insert the CD-ROM containing the ACD/License Server package into the CD-ROM drive. The setup program starts, and the Welcome to the ACD/Labs Software Setup Wizard panel appears.

   Note: If the program does not automatically runs, run SETUP.EXE from the installation package.

3. Read the important information, and then click Next to view the End-User License Agreement panel.

4. After you accept the terms of EULA, you will proceed to the following panel of the ACD/Labs Software Setup Wizard displaying the list of components:

   ![ACD/Labs Software Setup Wizard]

   Custom Setup of ACD/Labs Software Components
   You can add components of ACD/Labs software

   Components (Total Size: 4,410 Kb) Component Size
   ACD/License Server 4,410 kb

   Description: ACD/License Server is an NT based service which allows to control ACD software running across the network.

   Destination directory: C:\ACD
   Space available on disk: 21 Gb
   Total disk space required: 4,410 Kb

5. In the list, make sure that ACD/License Server is selected, specify the destination folder, and then click Next to specify the folder of the Start menu where the program shortcuts will be placed.
6. Click **Next** to proceed to the **ACD/Labs Software Optional Setup** panel of the wizard allowing you to select the additional operations to be perform after completing the installation:

- Configure ACD/License Server; and
- Start ACD/License Server right after the installation is finished

**Note** You can clear the **Start License Server Now** check box if you do not want to start ACD/License Server at once. It is not recommended to clear the **Configure License Server** check box.

7. Click **Next** to proceed to the **Ready to Start Installation** panel where a summary of the installation settings are displayed.

8. Revise the specified settings, and then click **Install** to begin the installation process.

9. When the **License Server Options** dialog box appears, either type a number of the server port in the **Enter Server Port** box, or click **OK** to enter the default port number.

![](ACD%20License%20Server%20Options.png)

**Important** Remember the number you typed herein, for you will be prompted to enter it once again when installing the Client part (refer to Section 2.2.1).

10. In the **Completing the ACD/Labs Software Setup** panel that finally appears, click **Finish** to close the wizard and complete the installation process.

Now, you can configure ACD/License Server as required. For more information, refer to the **ACD/License Server Administrator’s Guide** located in the ACD/Labs documentation folder, `\DOCS\ACDNMCFG_A.PDF`.

**Note** For instructions for the Client side, refer to Section 2.2.1.

### 5.3 Silent Installation Using ACD/Labs and MSI Scripts

This tool allows you to quickly perform the installation for a number of computers. The idea is that during the primary installation on one computer, all of the responses to the setup program requests and questions are written to a specified response file, which then can be copied to another computer, and the setup program will perform the installation in silent mode using this file.

If applied to the task to perform the installation for several computers of the local network, this can be done in the following way:

1. On the network server, insert the DVD/CD-ROM with the ACD/Labs installation package into the corresponding drive. At this point, Windows should automatically launch the ACD/Labs software splash screen (as described for the standard installation procedure in Section 2.2.1).

**Tip** You can copy the contents of the `\INSTALL` folder from the DVD/CD-ROM with the ACD/Labs installation package to the shared directory of the server in advance.
2. Terminate the installation process if started automatically.

3. On any of the local computers, start the installation by running SETUP.EXE from the ACD/Labs installation package in the command-line mode using the /A switch:

   `setup.exe /a`

4. After setup program runs, on the Welcome panel of the ACD/Labs Software Setup Wizard that appears, click **Next** to proceed to the following panel:

   ![ACD/Labs Software Setup Wizard](image)

   **Administrative Page**
   
   Select the silent script type to be created.

   - **Silent script**
     - Install without creating a silent script
     - Install and create ACD silent script
     - Install and create MSI silent script
   
   **Save Script To:**
   
   `P:\ACDSILENT\script.txt`

5. In the **Silent Script** area, select the option corresponding to the silent script type you want to be created during installation, either the proprietary ACD/Labs or standard Windows Installer (MSI).

6. Under **Save Script To**, type the fully qualified pathname of the response file (either .TXT or .MSI) with the location on the network the setup program requests and questions will be written.

   **Important** Make sure that the drive specified here is allowed for file-creating (*i.e.*, it cannot be the ACD/Labs installation DVD/CD-ROM), accessible from other computers of the network, and that there is enough disk space on it.

7. Click **Next** and then complete the installation as usual (for more information, refer to Section 2.2.1).
8. If you have chosen the ACD/Labs silent script to be generated, you can then inform other network users that they should run the ACD/Labs setup program from the local server with the following command-line string:

```
setup.exe path\script.txt
```

where `path` is the path to the generated response file.

**Tip** You can create a .BAT file containing the corresponding commands and provide your users with the link to this file.

In this case the installation of the ACD/Labs package will be performed using the created response file without asking any questions.

9. If you have decided to create the MSI silent script, you can further use it on a regular basis along with your corporate software-distributing systems such as Microsoft System Management Server (SMS).

**Note** For more information on Windows Installer (MSI), visit the following Microsoft Web page:

## 5.4 ACD/Network Monitor

The ACD/Network Monitor utility allows you to monitor the usage of the ACD/Labs products on your local network.

As you start the ACDNMON.EXE file, you will see the ACD Network Monitor window which can be switched to various display modes that are described in the subsequent sections.

### 5.4.1 Title Bar

At the very top of the window, there is a **title bar** that shows the name of the program, the name of the current display mode, and three small buttons controlling the size and position of the window. If the window does not fill the entire screen, dragging the title bar will move the location of the window but will not change its size.

To view the commands controlling the window, on the title bar, click the program icon. Some of the commands are also present on the title bar as the buttons.

<table>
<thead>
<tr>
<th>Command</th>
<th>Button</th>
<th>Description</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restore</td>
<td><img src="image" alt="Restore" /></td>
<td>Returns the window to its previous size. Note that this command is available only if the window is maximized.</td>
<td></td>
</tr>
<tr>
<td>Move</td>
<td><img src="image" alt="Move" /></td>
<td>Allows using the arrow keys to move the window. Note that this command is available only if the window is not already maximized.</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td><img src="image" alt="Size" /></td>
<td>Allows using the arrow keys to size the window. Note that this command is available only if the window is not already maximized.</td>
<td></td>
</tr>
<tr>
<td>Minimize</td>
<td><img src="image" alt="Minimize" /></td>
<td>Reduces the size of the window. Note that this command is available only if the window is not already minimized.</td>
<td></td>
</tr>
<tr>
<td>Maximize</td>
<td><img src="image" alt="Maximize" /></td>
<td>Makes the window fill the entire screen. Note that this command is available only if the window is not already maximized.</td>
<td></td>
</tr>
</tbody>
</table>
5.4.2 Menu Bar

Right below the title bar, you will find the menu bar that contains the program menus. By clicking the menus, you may access the program commands:

<table>
<thead>
<tr>
<th>Command</th>
<th>Button</th>
<th>Description</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Close</td>
<td></td>
<td>Closes the program and all of the open documents. If you have made any changes and haven't saved your work yet, the program prompts you to do so.</td>
<td>ALT+F4</td>
</tr>
</tbody>
</table>

5.4.2.1 File Menu

This menu contains the following commands:

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start Logging</td>
<td>Starts recording to the log file specified in the Logging mode. For more information, refer to Section 5.4.8.</td>
<td></td>
</tr>
<tr>
<td>Stop Logging</td>
<td>Stops recording to the log file specified in the Logging mode. For more information, refer to Section 5.4.8.</td>
<td></td>
</tr>
<tr>
<td>Hide Monitor</td>
<td>Switches ACD/Network Monitor to hidden mode and places it as an icon on your Windows taskbar. If you then want to go back to the ACD Network Monitor window, either double-click the icon or right-click it, and then choose the Open ACD/Network Monitor command from the shortcut menu that appears.</td>
<td></td>
</tr>
<tr>
<td>Exit</td>
<td>Quits the ACD/Network Monitor utility.</td>
<td></td>
</tr>
</tbody>
</table>

5.4.2.2 View Menu

This menu contains the following commands:

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
<th>Shortcut</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
<td>Switches to the Statistics mode. For more information, refer to Section 5.4.5.</td>
<td></td>
</tr>
<tr>
<td>Users Online</td>
<td>Switches to the Users Online mode. For more information, refer to Section 5.4.6.</td>
<td></td>
</tr>
<tr>
<td>Applications</td>
<td>Switches to the Applications mode. For more information, refer to Section 5.4.7.</td>
<td></td>
</tr>
<tr>
<td>Logging Settings</td>
<td>Switches to the Logging mode. For more information, refer to Section 5.4.8.</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>Switches to the History mode. For more information, refer to Section 5.4.9.</td>
<td></td>
</tr>
<tr>
<td>Toolbar</td>
<td>Turns on/off the display of the Top toolbar. For more information, refer to Section 5.4.3.</td>
<td></td>
</tr>
<tr>
<td>Status Bar</td>
<td>Turns on/off the display of the status bar. For more information, refer to Section 5.4.4.</td>
<td></td>
</tr>
</tbody>
</table>
5.4.2.3 Help Menu

The commands from this menu allow you to view both the About ACD/Network Monitor panel containing information on the current version and the program's online Help.

5.4.3 Top Toolbar

Below the menu bar, you can see the toolbar containing buttons that allow you to switch between the display modes. As a rule, all of the buttons on such toolbars are shortcuts to menu commands. (But note that the reverse is not true, i.e., not all of the commands are provided with buttons.)

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Statistics" /></td>
<td>Switches to the Statistics mode. For more information, refer to Section 5.4.5.</td>
<td>Statistics command (View menu)</td>
</tr>
<tr>
<td><img src="image" alt="Users Online" /></td>
<td>Switches to the Users Online mode. For more information, refer to Section 5.4.6.</td>
<td>Users Online command (View menu)</td>
</tr>
<tr>
<td><img src="image" alt="Applications" /></td>
<td>Switches to the Applications mode. For more information, refer to Section 5.4.7.</td>
<td>Applications command (View menu)</td>
</tr>
<tr>
<td><img src="image" alt="Logging" /></td>
<td>Switches to the Logging mode. For more information, refer to Section 5.4.8.</td>
<td>Logging Settings command (View menu)</td>
</tr>
<tr>
<td><img src="image" alt="History" /></td>
<td>Switches to the History mode. For more information, refer to Section 5.4.9.</td>
<td>History command (View menu)</td>
</tr>
<tr>
<td><img src="image" alt="Hide" /></td>
<td>Switches ACD/Network Monitor to hidden mode and places it as an icon on your Windows taskbar.</td>
<td>Hide Monitor command (File menu)</td>
</tr>
</tbody>
</table>

If you then want to go back to the ACD Network Monitor window, either double-click the icon or right-click it, and then choose the Open ACD/Network Monitor command from the shortcut menu that appears.

Right-clicking the toolbar displays the shortcut menu that allows you either to hide the toolbar or to place it appropriately in the window: either at the top/bottom or to the right/left side of it.

**Tip** You can also use the commands of the View menu to switch between the display modes and to turn the display of the toolbar on/off.

5.4.4 Status Bar

The status bar is located horizontally at the bottom of the window, and displays the following information:

- **Show statistics history**: If you point to any button on the toolbar, this section displays the corresponding information.
- **acnet.log**: Name of the log file that is currently being written to. If no logging operation is performed, the Not Logging notice appears.
- **Jul 25, 2006 17:07**: Current date and current time.
5.4.5 Statistics Mode

In this mode, you can see the graph displaying the number of online users per unit of time.

To switch to the mode, on the Top toolbar, click Statistics.

Pointing to any bar shows the following statistical information:
- Date when the update was made;
- Interval for the graph bar;
- Maximum number of online users for the specified interval;
- Number of users the last time the update was made;
- Minimum number of users for the specified interval; and
- Number of users who have been rejected to start up the ACD/Labs software.

The field below the graph area displays statistics the current state of the monitored package:
- number of users currently online;
- maximum and average number of users for the entire ACD/Network Monitor session (since the date shown below);
- number of clients who have been rejected to start up the ACD/Labs software;
- date and time when the statistical information began to be collected.

To set the update interval used to build the graph (in minutes), in the Update Interval box, input the desired value, and then click Apply.

Clicking the Reset button clears the graph, zeroes all the statistics fields and sets the Statistics have been collected since attribute to the current time.
5.4.6 Users Online Mode

In this mode, you can see the information on users that are running the ACD/Labs software.

To switch to the mode, on the Top toolbar, click Users Online. The information represented in the tabular form is as follows:

- **User Name**—consists of two parts: user’s logon name and the name of the user’s computer in the Windows network;
- **Login Time**—date and time when any of the ACD/Labs applications was first started by this user during the current session; and
- **Active Sessions**—number of the ACD/Labs applications currently being run by the user.

Double-clicking any user name in the table displays the User Information dialog box showing the list of the applications the selected user is working with.

To sort data in ascending or descending order, click the corresponding column heading.

To change the size of columns in the table, point to the corresponding heading’s border, and then drag a double-headed arrow that appears left or right.

5.4.6.1 Looking for the Most Active Users

To define who uses the ACD/Labs software most intensively:

*During the current ACD/Network Monitor session*

1. Switch to the Users Online mode.
2. Click the heading of the **Active Sessions** column until the number of sessions is sorted in descending order. At the top of the list, you will see the name of the user who has the maximum number of startups.

   **Tip** To view the ACD/Labs applications a specific person is currently using, double click his/her name in the list.

*During the longer period*

First, it is worth saying that if you want to get the complete picture of how intensively each user works with the ACD/Labs applications, it is better to restore the history from each previous log file by keeping the **Restore the history from the log file** check box (refer to Section 5.4.8) selected as you work with ACD/Network Monitor.
So, if the history has been written to for a long time you can do the following:

1. Switch to the History mode (refer to Section 5.4.9).
2. Click the Users option if it is not selected yet.
3. Click the heading of the Ave. Work Time column to sort the time in descending order. The user who has the maximum average working time is placed at the top of the list.

### 5.4.6.2 Looking for the Number of Applications in Use

To find out which ACD/Labs applications are currently run by a given user:

1. Switch to the Users Online mode.
2. If necessary, click the heading of the User Name column to sort the names.
3. Double-click the name of user for whom you want to get more information to open the User Information dialog box containing the list of the ACD/Labs applications that are currently run by the user.

### 5.4.7 Applications Mode

In this mode, you can see the statistical information on the applications run during the current session.

To switch to the mode, on the Top toolbar, click Applications.

The information represented in the tabular form is as follows:

- Names of the applications that are currently running on the network,
- Number of current users of each application, and
- Licensed maximum number of concurrent users for the application. Note that this number is derived from all of the ACD/Labs packages running on the local network, even if they are installed to the different folders.

Double-clicking any application name in the table displays the Application Information dialog box showing the list of users working with the selected application.

To sort data in ascending or descending order, click the corresponding column heading.

To change the size of columns in the table, point to the corresponding heading’s border, and then drag a double-headed arrow that appears left or right.
5.4.7.1 Looking for the Number of Concurrent Users

To find out the number of concurrent users for a given ACD/Labs application:

1. Switch to the Applications mode.
2. If necessary, click the heading of the Application Name column to sort the user names.
3. In the Active Users column, see the number of users who are currently working with each ACD/Labs application of a specific version.

Tip If you double-click any application name, you will see the Application Information dialog box containing users’ data on the chosen ACD/Labs application.

5.4.8 Logging Mode

In this mode, you can set the options for writing to a log file daily, monthly, or manually.

To switch to the mode, on the Top toolbar, click Logging.

The mode contains the following options:

<table>
<thead>
<tr>
<th>Option/Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Directory</td>
<td>In this box, you can specify the directory where the log files will be kept. To change the directory, click Browse. Note that this field becomes available only if no logging is currently performed. To stop logging, click the Stop button.</td>
</tr>
<tr>
<td>Begin logging at startup</td>
<td>Select this check box if you want the logging process to be enabled as soon as you run ACD/Network Monitor. The monitored events will be logged to the file specified in the Create New Log File area.</td>
</tr>
</tbody>
</table>
### Option/Button

<table>
<thead>
<tr>
<th>Option/Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Load monitor at Windows startup</strong></td>
<td>Select this check box to make ACD/Network Monitor start automatically upon the Windows startup, and select the appropriate option below:</td>
</tr>
<tr>
<td><strong>Open in Hidden Mode</strong></td>
<td>The application runs in the hidden mode (it will appear as the ACD/NetMonitor icon on the Windows taskbar); or</td>
</tr>
<tr>
<td><strong>Open Visible</strong></td>
<td>The application runs with the ACD Network Monitor window opened.</td>
</tr>
<tr>
<td><strong>Create New Log File</strong></td>
<td>This area contains options for specifying the schedule the new log file will be created and named:</td>
</tr>
<tr>
<td><strong>Daily</strong></td>
<td>With this option selected, a new log file will be started every day. Name has the \texttt{YY_MM_DD.LOG} format, where \texttt{YY}—last two digits of the current year, \texttt{MM}—month, \texttt{DD}—day.</td>
</tr>
<tr>
<td><strong>Monthly</strong></td>
<td>With this option selected, a new log file will be automatically created once a month and will have the following name: \texttt{YYYY_MM.LOG}, where \texttt{YYYY}—current year and \texttt{MM}—month.</td>
</tr>
<tr>
<td><strong>Never</strong></td>
<td>With this option selected, you can specify any desired name for the log file in the Log File Name box below, and it won’t be changed by ACD/Network Monitor.</td>
</tr>
<tr>
<td><strong>Log File Name</strong></td>
<td>In this box, type the appropriate name of your log file. Note that this field is available only if the Never option is selected in the Create New Log File area.</td>
</tr>
<tr>
<td><strong>Restore the history from the log file</strong></td>
<td>If this check box is selected, each time you run the ACD/Labs software the History list will be restored from the latest log file.</td>
</tr>
<tr>
<td><strong>Apply</strong></td>
<td>Click this button to apply the changes made to this mode.</td>
</tr>
<tr>
<td><strong>Start Log</strong></td>
<td>Click this button start logging. Note that you can also start the logging procedure from the File menu.</td>
</tr>
<tr>
<td><strong>Stop</strong></td>
<td>Click this button to stop logging. Note that you can also stop the logging procedure from the File menu.</td>
</tr>
</tbody>
</table>

### 5.4.8.1 Creating a Log of Statistics

To specify a log file:

1. Switch to the Logging mode.
2. In the Log Directory box, specify the name and location of the folder where the log file should be stored.
3. In the Create New Log File area, select the corresponding option to set how often you want the new log file to be created: daily (\texttt{YY\_MM\_DD.LOG}), monthly (\texttt{YYYY\_MM.LOG}), or never (until you manually specify so).

   **Note** If you select the Never option, type the name of the log file in the Log File Name box below.

4. Click Apply to save the changes made.
To start the logging operation, use one of the following ways:

- In the Logging mode, click the **Start Log** button; or
- From the **File** menu, choose **Start Logging**.

**Note** If you select the **Begin logging at start up** check box, the logging operation to the specified file will be started automatically as soon as the ACD/Network Monitor runs.

To stop the logging operation, use one of the following ways:

- In the Logging mode, click the **Stop** button; or
- From the **File** menu, choose **Stop Logging**.

### 5.4.9 History Mode

In this mode, you can see the summary of all the statistical information collected during all the working sessions of ACD/Network Monitor.

To switch to the mode, on the Top toolbar, click **History**.

The History table displays the summarized information that has been collected during the active ACD/Network Monitor sessions:

**Note** To switch the display of the table to either users or applications, under **Group By**, select the corresponding option.

**If the Users option is selected**

- Users running ACD/Labs applications;
- Number of startups each user has done;
- Number of rejected startups; and
- Average time (in the *d, h;m;s* format) each user has been working with applications.
If the Applications option is selected

- ACD/Labs applications that were run or are currently being run;
- Number of startups of each application;
- Number of rejected startups for each application; and
- Average time (in the \(d, h;m;s\) format) of working with each application.

To sort data in ascending or descending order, click the corresponding column header.

To change the size of columns in the table, point the cursor to the column header and when the cursor turns into two-way arrow, drag left or right.

In the Show History area, select what kind of history should be displayed in the table:

- Current Session—with this option selected, the current session is displayed only; or
- Log File—with this option selected, the information from the log file which you can load by clicking the Open Log File button is displayed.

Note If the Restore the history from the log file check box is not selected on the Logging page, each time you open the ACD/Network Monitor the history list will be started anew. Otherwise, the history list will be loaded from the latest log file and new data will be added to it.
The sources of the large majority of problems are:

- Not having ACD/ChemSketch installed in the same directory as the application—this results in “missing file” messages when you try to start the software.
- Software running slowly from the remote drive is a result of a slow or unstable network connection. To avoid this, install the ACD/Labs package on the local drives of each workstation (for more information, refer to Chapter 2).

Less common sources of trouble are:

- Not having the minimum system requirements (for more information, refer to Section 2.1);
- Having an unusual video card and driver;
- Installing to a folder containing an earlier version of ACD/ChemSketch; or
- Installing without read/write privileges.