

# Agilent OpenLAB Chromatography Data System (CDS)

Networked Workstation  
Installation Guide



**Agilent Technologies**

# Notices

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## Software Revision

This guide is valid for revision A.01.04 of Agilent OpenLAB CDS.

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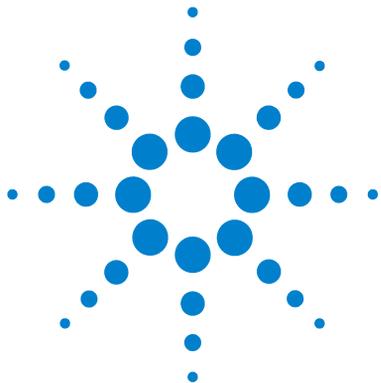
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# 1 Introduction

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This chapter gives you an overview of the OpenLAB software. It also includes certain requirements before starting the installation.



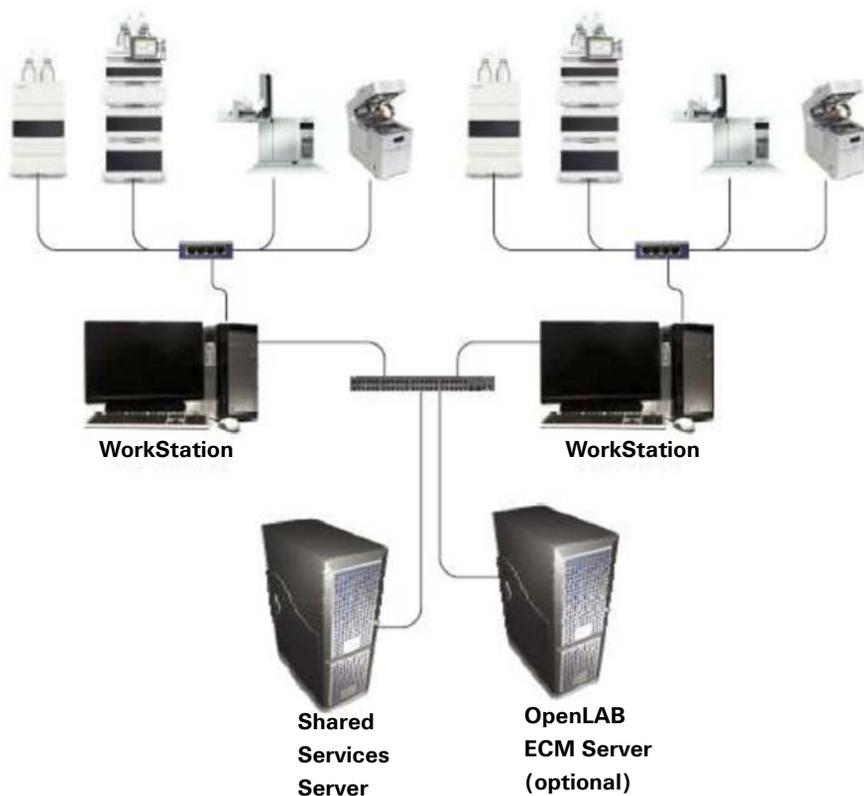
## 1 Introduction

### Who Should Read This Guide?

# Who Should Read This Guide?

This installation guide is designed to help system administrators install the Agilent OpenLAB Chromatography Data System (CDS) to networked workstations quickly and correctly.

See your Agilent representative for other system configuration installation guides.



**Figure 1** Networked Workstation Configuration

## The Agilent OpenLAB CDS Software

The Agilent OpenLAB CDS, along with OpenLAB Electronic Lab Notebook (ELN), OpenLAB Enterprise Content Manager (ECM), and OpenLAB Data Store plus several add-ons make up the Agilent OpenLAB software suite.

These integrated solutions form a system designed to grow with customers' needs, from a small standalone analytical lab to a global network with hundreds of locations. Using the OpenLAB software, instruments from multiple vendors can connect to any size network – from individual workstations and workgroups to global enterprises. With full instrument control, centralized administration and ease-of-support, users can achieve lower operational costs and better instrument use. See your Agilent representative to learn how other products in the OpenLAB suite can help you.

The Agilent OpenLAB CDS software is provided on several edition-specific disks. Table 1 lists the disks you will receive for your software edition.

**Table 1** OpenLAB CDS Components

Disk Name	ChemStation Edition	EZChrom Edition
OpenLAB CDS Shared Services Software	X	X
OpenLAB CDS ChemStation Edition Core Software	X	
OpenLAB CDS ChemStation Edition Drivers	X	
OpenLAB CDS EZChrom Edition Core Software		X
OpenLAB CDS EZChrom Edition Drivers		X
OpenLAB CDS Support	X	X
OpenLAB CDS Data Store Software	X	X
OpenLAB Data Analysis	X	X

## Before You Begin

To simplify installation of the software, it is helpful to decide on some configuration options before you begin the actual software installation.

- 1 For installing OpenLAB CDS, you need to have administrator privileges for all servers and clients. Power user privileges are not sufficient (the installation does not start).
- 2 Decide on a Shared Services server and a directory location to store all files related to the data system software, including data, methods, sequences, and configurations.
  - CDS clients must be connected via network to the Shared Services server.
  - If you plan to use the OpenLAB ECM, CDS client users must have read/write access to the ECM directory location.
- 3 If you are installing OpenLAB CDS EZChrom Edition, create an *Enterprise path* folder on the file server, with a share status **Everyone > Full permissions**. Because the system must access this folder as a *uniform naming convention (UNC)* share path, it must be created prior to actual installation. UNC paths define the common syntax pattern for share folder location and retrieval.
- 4 For the Shared Services Database server, obtain the:
  - Database name
  - Database administrator user name and password
  - Authentication mode
  - Administrator user credentials (domain, user name, password)
- 5 If you plan to use OpenLAB ECM with your system, obtain the ECM server name.
- 6 If you plan to use the Oracle DB server, make sure to set up the Oracle DB following the description in CDS\_oracle11.pdf on Disk1/docs/enu.

- 7 Decide on the software delivery approach you want to use:
  - *Install directly from the DVDs to your computer* – Load the disks as required directly to the workstation disk drive.
  - *Copy DVDs to a centralized location for installation* – You can use the utility to copy DVD content to a network share folder or USB drive, and run an uninterrupted installation from that location. This approach will save time; when you install from the folder, you won't have to reload the disks.
- 8 Remember that when you launch the application, you will be able to review the following PDFs in the installer **Planning** and **Resources** menus before you install the software:

Under the Installer **Planning** menu, you will find:

  - *Hardware and Software Requirements* (CDS\_hswsw-requirements.pdf) - Use this PDF to determine whether your hardware and software will support the system.
  - *Networked Workstation Installation Guide:* (CDS\_networkedWS-Installation.pdf) - An electronic copy of this installation guide is provided in PDF format for your convenience.

Under the Installer **Resources** menu, you will find:

  - *OpenLAB CDS Network Requirements* - Use this PDF to check that your settings comply with the network requirements.
- 9 Set up your networked *environment* for the Shared Services server and all workstations:
  - If you are installing OpenLAB CDS to Windows Server 2008 R2, Windows 7 or Windows Vista, go to the Windows Control Panel and switch off User Account Controls. After installation is complete, you can switch the controls back on.
  - Windows Server 2008 R2 users – go to **Server Manager > Features > Add Features**, then select and activate .NET Framework 3.5 SP1.
- 10 Set up the necessary power, equipment and hardware connections to run your system, including any A/D boards, cables, GPIB boards, instrument detectors, and communication cables.

# **1** **Introduction**

## **Before You Begin**



## 2 Configuration of Windows Server 2008 R2

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This chapter describes the necessary installation and configuration steps to prepare an OpenLAB Shared Services server.



## Install Windows Server 2008 R2

### CAUTION

Insufficient virus protection

Your PC might get infected.

- Keep your computer disconnected from the internet until you have installed the appropriate security patches and hot fixes.
  - It is strongly recommended to install the latest security fixes as supported from Agilent Technologies and virus definitions prior to connecting to a network.
- 

- 1 Install Windows Server 2008 R2 from recovery DVD or Windows Server 2008 R2 DVD. During the setup of Windows Server 2008 R2 provide the computer name, administrator password and network settings.

### NOTE

If you plan to use OpenLAB Data Store: Install SP1. You can download the service pack from the Microsoft web page (<http://support.microsoft.com/kb/976932>).

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- 2 Select to either join an existing domain or set up the system in workgroup mode.
- 3 To guard your systems against viruses, install an AntiVirus program. Running AntiVirus programs might influence the behavior and performance of your computer. Agilent OpenLAB CDS was tested to run with Symantec's Norton Antivirus.
- 4 If you plan to use OpenLAB Data Store:
  - Install Microsoft SQL Server 2008 R2 SP1 Standard or Enterprise in Mixed Mode on the server. For more information on changing the mode for an existing installation, see “[Change Server Authentication to Mixed Mode](#)” on page 68.
  - When installing Microsoft SQL Server 2008 R2, do *not* select the **Reporting Services** feature. These services use port 80 and will conflict with the OpenLAB Data Store web server.

### NOTE

Do not install or configure any server role or feature.

---

## Configure Windows Server 2008 R2 Settings

Most changes in the following section are mandatory for A.01.04 to work properly on a Windows Server 2008 R2 system. Some changes will optimize application performance. Other changes will have a graphical or minor impact.

### NOTE

To indicate the relative importance of individual settings, each item is categorized as:

- **MUST:** These changes must be applied.
- **PERFORMANCE:** These changes will improve system performance.
- **OPTIONAL:** Most of these changes will affect the graphical display of the application.

### NOTE

If **User Account Control (UAC)** is switched on, some configuration steps will require active confirmation to continue.

- [MUST] 1 Folder Options (right-click **Start > Open Windows Explorer**):
- Choose **Organize > Layout**.
    - Enable **Menu Bar**.
    - Enable **Navigation Panel**.
  - Set **View** to **Details**.
  - Choose **Tools > Folder Options > View tab**.
    - Disable the option **Hide extensions for known file types**.
    - Enable the option **Display the full path in the title bar (Classic theme only)**.
  - Apply these settings to all folders by selecting the **Apply to Folders** button.
- [MUST] 2 Go to **Start > Control Panel > Windows Update**. Check for updates and apply all critical security patches.
- 3 Install additional hotfixes:
- Always install hotfix *KB2600907* (<http://support.microsoft.com/kb/2600907>).
  - If you plan to use OpenLAB Data Store: Install hotfix *KB2577795* (<http://support.microsoft.com/kb/2577795>).

## 2 Configuration of Windows Server 2008 R2

### Configure Windows Server 2008 R2 Settings

- [MUST] 4 Register Windows Server 2008 R2 with Microsoft.
- [MUST] 5 Select **Change Settings**. Set the **Important updates** selection to **Never check for updates**. Deselect the other update options.  
Close the **Update** screen.
- [MUST] 6 Go to **Start > Control Panel > Administrative Tools**. Select **Services**.
- Right click on the **Desktop Window Manager Session Manager** service. In the context menu select **Properties**.
    - Set the startup type to **Disabled**.
  - Right-click on the **Application Experience** service. In the context menu, select **Properties**.
    - Set the startup type to **Disabled**.
- Confirm by clicking **OK** and close the **Services** window. Close **Administrative Tools**.
- [MUST] 7 Power Options: **Start > Control Panel > Change options that are currently unavailable > Power Options**.
- Enable power plan **High performance (Show additional plans)**.
  - Click **Change Plan** settings.
  - Click **Change advanced power settings**.
    - Open the nodes for **Hard disk**, **Turn off hard disk after** and check that Minutes are set to 0 (=Never).
    - Click **OK**.
  - Save the changes.
- [MUST] 8 Local Security Policy: (**Start > Control Panel > Administrative Tools > Local Security Policy**)
- Navigate to **Security Settings > Local Policies > Security Options**.
  - Double-click the following policy listed in the right hand panel: **Network Access: Sharing and security model for local accounts**.
  - In the displayed dialog select the following item from the drop-down list: **Classical - local users authenticate as themselves**.

- [MUST] 9 Region and Language Options (**Start > Control Panel > Regional and Language Options**):
- a Regional options should be set to **English (United States)** from the drop-down list.
  - b If regional format other than **English (United States)** is used, the following settings are mandatory. The settings can be defined by clicking the **Customize this format** button:
    - Decimal symbol = . (point)
    - Digit grouping symbol = , (comma)
    - List separator = , (comma)
  - c Language for non-Unicode programs:
    - On the **Administrative** tab click **Change system locale...**
    - From the drop-down list, select **English (United States)**.
- [MUST] 10 Power Management for network devices (From **Start > Control Panel > Network and Sharing Center**):
- a Select **Change adapter** settings. Click **Local Area Connection > Properties > Configure**).
  - b On the **Power Management** tab, uncheck all items.
- [MUST] 11 Screen layout (right-click on **Start > Control Panel > Display**):
- a Click on **Change color scheme**.
  - b Check that **Windows Classic** is selected.
- [PERFORMANCE] 12 System Properties: **Start > Control Panel > System**: click **Advanced system settings**.
- a On the **Advanced tab > Performance** hit the **Settings** button.
    - **Visual Effects** tab, uncheck all entries.
    - **Advanced tab > Virtual Memory**: For optimum performance use the **Change** button to adjust the paging file size to a value of 2 to 3 times of the physical RAM on the PC.
    - **Data Execution Prevention** tab: Enable **Turn on DEP for essential Windows programs and services only**.

## 2 Configuration of Windows Server 2008 R2

### Configure Windows Server 2008 R2 Settings

#### **b Advanced > Startup and Recovery > Settings button:**

- **System startup** section: Change both **Time to display ...** fields from **30** to **3** sec.

#### **c Remote** tab

- In the **Remote Assistance** section, uncheck **Allow Remote Assistance connections to this computer**.

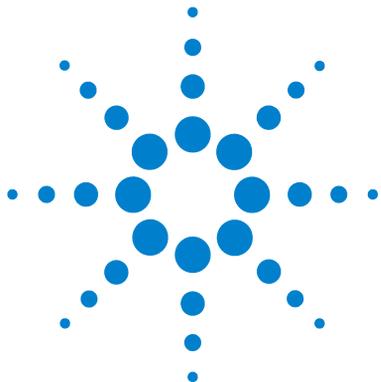
#### **[OPTIONAL] 13** Welcome Center (**Start > search for 'gpedit.msc'**)

- Navigate to **Local Computer Policy > Computer Configuration > Administrative Templates > System > Logon**.
- Enable **Don't display the Getting Started welcome screen at logon**.

#### **[OPTIONAL] 14** Recycle Bin Properties: (right-click on desktop icon Recycle Bin). Enable the following options:

- Custom size; select a size corresponding to approximately 10% of the complete disk space for the drive.
- Check **Display delete confirmation dialog**.

#### **[OPTIONAL] 15** Apply the Security Settings suggested by Microsoft at: <http://technet.microsoft.com/en-us/library/cc264467.aspx>



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The installation is automated for you by the included OpenLAB CDS Master Installer. This tool installs the various components of OpenLAB CDS. OpenLAB Data Analysis can also be installed as add-on version.



### 3 Install the Software

#### Step 1: Run the Application

## Step 1: Run the Application

- 1 For the direct DVD approach, insert the OpenLAB CDS Installation disk. Autorun.inf will automatically run Agilent. OpenLABCDSSetupFromDVD.exe and display the installer **Planning** screen.
- 2 For the portable data storage device approach, insert the device in a computer USB port, navigate to \Disk1\Setup.bat and run the application to proceed to the **Planning** screen.
- 3 For the share file approach, first map the drive, as the installation from a UNC path is not supported. Use Setup.bat under \Disk 1 and run the application to proceed to the **Planning** screen.

## Step 2: Copy DVDs to a Centralized Folder for Installation (Optional)

Completing this step will enable you to run an uninterrupted installation directly from a folder—i.e., you will not have to load individual disks during actual installation.

- 1 From the Master Installer **Planning** screen, select **Installation** from the sidebar menu.
- 2 Select **Preparation of an Installation from Network Share**.
- 3 At the **Network Share** screen, browse to a directory and create a destination folder as follows:

**NOTE**

Installations into the root of a drive may cause problems during operations and are not supported.

- a Select the button with the three dots.
  - b Navigate to the directory where you want to create the folder (you can navigate to a USB drive port to create the folder on a USB drive).
  - c Select **Make New Folder**.
  - d Type in the folder name.
  - e Select **OK**. The system will return you to the **Network Share** screen, with the path displayed.
  - f Select the disks you want to copy to the folder: **All disks**, **ChemStation disks**, **EZChrom disks**, or **OpenLAB Data Analysis disks**.
  - g Select **Start**.
  - h Follow the prompts to insert new disks as they appear.
- 4 When processing is complete, copy the files to the local drive or map the location to a network drive.
  - 5 Close the application and navigate to the directory and folder you created. Open the folder.
  - 6 Select the Disk 1 folder, then execute Setup.bat to run the application. The system will display the installer **Planning** screen.

## 3 Install the Software

### Step 3: Run the System Configuration Checker

## Step 3: Run the System Configuration Checker

- 1 At the **Planning** screen, select **System Configuration Checker**. If .NET 3.5 SP1 or higher is not on your system, the **Agilent OpenLAB CDS Prerequisites Setup Screen** appears.
  - a Read the licensing agreement.
  - b Select **Accept** to accept the agreement and begin .NET 3.5 SP1 installation.

#### NOTE

If you select **Don't Accept** at this screen, the install program will exit. You will have to install .NET 3.5 SP1 or higher manually to proceed with OpenLAB CDS installation.

- 2 For the server configuration check, select **OpenLAB CDS Shared Server Core A.01.XX** from the drop-down list.
- 3 For each workstation, select from the drop-down list the edition of the OpenLAB CDS software you are installing:
  - **OpenLAB CDS EZChrom Edition A.04.XX**
  - **OpenLAB CDS ChemStation Edition C.01.XX**
  - **OpenLAB Data Analysis A.01.XX**
- 4 Select **OK**.
- 5 Complete page 1 of the **Contact Information—System details** by typing in the fields provided.
  - System Location fields
  - System Information fields
  - Configuration fields

#### NOTE

The regional settings must be configured to use the dot ('.') as a decimal separator.

- 6 Review the system details and make any necessary entries. The system will follow the paths specified.

- 7 Select the green check-mark icon in the top left corner of the screen to begin the software check. A summary report is displayed showing the results for each check category. Results are expressed as **Pass**, **Warning**, **Critical Warning**, or **Fail**.

**Fail** results must be corrected before continuing with the installation. Agilent recommends investigating and correcting any **Critical Warnings** and **Warnings** whenever possible before proceeding.

- 8 To view details of the report, select the appropriate link: **System Hardware Details**, **Operating System and Software Details**, or **Manual Verification Required**.
- 9 To save the report, select the **Save** icon at the top left of the screen.
- 10 E-mail the saved report to your Agilent Service Representative for evaluation, and for validation of your personal computer for Agilent Software Systems Installs.

### 3 Install the Software

#### Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

## Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

### NOTE

Follow this procedure only for first time installation on the Shared Services server. Skip this step if the server is already set up.

At this point, you will be installing to the Shared Services server either directly from the DVDs or from a local drive (mapped to either USB/eSATA drive or a network location). The installation steps are identical until you start the installation wizard: you won't be prompted to load the DVDs if you are installing from a centralized location.

### License Agreement Screen

- 1 If you will be using a local database for the server, you must have Windows Installer 4.5 installed. To install it from the **Installation** screen:
  - a Select **Third Party Tools** and then **Windows Installer 4.5**.
  - b Read the licensing agreement.
  - c Select **Accept** to accept the agreement and begin Windows Installer 4.5 installation.
  - d When installation is complete, click **OK** to return to the **Installation** screen.
- 2 Select **OpenLAB CDS**.
- 3 If your Shared Services server is running under Windows 2003 Server R2 and if .NET 3.5 SP1 is not on your system, the Agilent OpenLAB CDS Prerequisites Setup Screen appears.
  - a Read the licensing agreement.
  - b Select **Accept** to accept the agreement and begin .NET 3.5 SP1 installation.

## Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

**NOTE**

If you select **Don't Accept** at this screen, the install program will exit. You will have to install .NET 3.5 SP1 or higher at a later time to proceed with OpenLAB CDS installation.

---

If your Shared Services server is running under Windows 2008 Server R2, .NET 3.5 SP1 will be installed automatically.

- 4 The **OpenLAB CDS Installation Wizard** opens. Read the terms of the **License Agreement**. Master Installer provides a printable PDF of the license agreement under the **Resources** option of the main menu.
- 5 Select **I agree with the terms and conditions**. You cannot proceed with installation unless you agree to these terms.
- 6 Select **Next** to proceed to the **Installation Folder** screen.

## Installation Folder Screen

- 1 Type the folder name or browse to the directory where you want to store the application components.

**NOTE**

Installations into the root of a drive may cause problems during operation and are not supported.

---

- 2 To run an installation qualification as part of this Shared Services server installation, select **Run Installation Qualification**.

Because there can be several separate installation procedures for networked systems, you may prefer to run the IQ during the last installation, or sometime after your system is completely installed (see the *Optional Procedures* in this manual).

- 3 Select **Next** to proceed to the **Installation type** screen.

### 3 Install the Software

#### Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

## Installation Type Screens for Shared Services Server

Follow this procedure to install the OpenLAB Shared Services server without Data Store. To install the Data Store server, skip this step and continue with “[Installation Type Screens for Data Store Server](#)” on page 27.

- 1 Under the **Installation type** screen, select **Networked System**.
- 2 Select **Next** to proceed to the **Networked system** screen.
- 3 Select **Shared Services Server**.
- 4 Select **Next**.
- 5 Complete the **Database type** screen by selecting either **New SQL Server installation**, **Existing SQL Server** or **Existing Oracle Server**.

The **New SQL Server installation** option requires Windows Installer 4.5, as described in the *License Agreement Screen* steps above.

- 6 Configure the database as described in the following steps.
- 7 If you selected **New SQL Server installation**:
  - a Type the path or browse to the directory where you want to store the application components. Directory names must be entered *without spaces*.
  - b Select **Next**.
  - c Complete the **Database name** field.
  - d Select the authentication mode.

#### NOTE

If you select the **Use SQL server authentication** mode, complete the **DB user name**, **DB user password**, **Administrator name**, and **Administrator password** fields.

- e Select **Next** to proceed to the **Additional items**, **Language**, and **Register applications** screens.
- 8 If you selected **Existing SQL Server**:
  - a Type the database server name in the field provided.
  - b Select **Use default instance** or **Use named instance**.  
If you select **Use named instance**, complete the **Database instance name** field.
  - c Select **Next**.

## Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

- d** Complete the **Server connection type** screen. Select either **Create new database** or **Connect to existing database**. If you select **Connect to existing database**:
- Enter the **Database name** in the field provided.
  - Select the authentication mode. If you select the **Use SQL server authentication** mode, complete the **DB user name**, **DB user password**, **Administrator name**, and **Administrator password** fields.
  - Click **Test Connection...** to run a connectivity check. The system will verify that the connection from this machine to the SQL server is functioning.
- The system will display a **Connection succeeded** message if the check is successful. Click **OK** to close the message.
- e** Select **Next**. If you entered **Connect to existing database** in the previous step, the system will proceed to the **Additional items** screen. If you selected **Create New Database** in the previous step, the system will display an **OpenLAB Shared Services database** screen.
- Enter the **Database name** in the field provided.
  - Select the authentication mode. If you select the **Use SQL server authentication** mode, complete the **DB user name**, **Database user password**, **Administrator name**, and **Administrator password** fields.
  - Select **Next** to proceed to the **Additional items** screen.
- 9** If you selected **Existing Oracle Server**:
- a** Enter the **Database server name** in the field provided.
- b** Select **Next**.
- c** In the **Server connection type** screen, select the **Initialize data** check box if you want to write configuration data, like standard permissions and roles, into the database.
- d** Enter the **Database name** and the **Database user name** in the field provided.  
The database user name is the administrator name that was defined during the Oracle Server installation.
- e** Enter the Database administrator password.
- f** Check the **Listener port number**. By default, it is set to 1521.
- g** Click **Test Connection...** to run a connectivity check. The system will verify that the connection from this machine to the Oracle server is functioning.

### 3 Install the Software

#### Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

The system will display a **Connection succeeded** message if the check is successful. Click **OK** to close the message.

**10** If you want to use **OpenLAB ECM** with your data system:

- a** Check the **ECM Server** option button. The system will activate a **Server name** field.
- b** Enter the server name *without spaces*.
- c** Click **Test Connection...** to run a connectivity check. The system will verify that the connection from this machine to the ECM server is functioning.

The system will display a **Connection succeeded** message if the check is successful. Click **OK** to close the message.

**11** Under **OpenLAB Shared Services Language**, select the correct language from the drop-down list.

**12** Under **Register applications**, check the edition that applies. If you check the EZChrom Edition, the system will activate an **Enterprise path** field. This is the *UNC path* you created in the *Before you Begin* steps. Type in the path name, or browse to the directory. Path names must be entered without any spaces.

**13** Select **Next** to proceed to the **Summary** screen.

## Installation Type Screens for Data Store Server

### Preparations

- Microsoft SQL Server 2008 R2 Standard or Enterprise must be installed in Mixed Mode on the server.
- Port 80 must be open for OpenLAB Data Store to function correctly.

- 1 Under the **Installation type** screen, select **Networked System**.
- 2 Select **Next** to proceed to the **Networked system** screen.
- 3 Select **Data Store Server**.
- 4 Select **Next** to proceed to the **Database type** screen.
- 5 Type the database server name in the field provided.
- 6 Select **Use default instance** or **Use named instance**.  
If you select **Use named instance**, complete the **Database instance name** field.
- 7 Select **Next**.
- 8 Complete the **Server connection type** screen. Select either **Create new database** or **Connect to existing database**. If you select **Connect to existing database**:
  - a Enter the **Database name** in the field provided.
  - b Select the authentication mode. If you select the **Use SQL server authentication** mode, complete the **DB user name**, **DB user password**, **Administrator name**, and **Administrator password** fields.
  - c Click **Test Connection...** to run a connectivity check. The system will verify that the connection from this machine to the SQL server is functioning.  
The system will display a **Connection succeeded** message if the check is successful. Click **OK** to close the message.
- 9 Select **Next**.
- 10 If you entered **Connect to existing database** in the previous step, the system will proceed to the **Additional items** screen. If you selected **Create New Database** in the previous step, the system will display an **OpenLAB Shared Services database** screen.
  - a Enter the **Database name** in the field provided.
  - b Select the authentication mode. If you select the **Use SQL server authentication** mode, complete the **DB user name**, **DB user password**, and **Administrator password** fields.
- 11 Select **Next** to proceed to the **Additional items** screen.

### 3 Install the Software

#### Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

**12** In the **Content files directory** field, enter a suitable location to upload all data from OpenLAB CDS applications.

This location will hold the content files for OpenLAB Data Store. Therefore, the location must be on a disk that has plenty of storage space.

**13** Under **OpenLAB Shared Services Language**, select the correct language from the drop-down list.

**14** Under **Register applications**, check the edition that applies. If you check the EZChrom Edition, the system will activate an **Enterprise path** field. This is the *UNC path* you created in the *Before you Begin* steps. Type in the path name, or browse to the directory. Path names must be entered without any spaces.

**15** Select **Next** to proceed to the **Summary** screen.

## Summary Screen: Server Software Installation

**1** Review the installation settings that you have selected in the preceding steps. Select **Back** as necessary to change installation settings, or **Cancel** to cancel the installation.

### NOTE

Before starting or canceling the installation, you can save an XML file with your installation settings. This XML can then be used for a scripted installation (see [“About Scripted Installation”](#) on page 50).

**2** Select **Start** to begin installation.

The system performs an automated system check before it proceeds with the listed activities.

If a *system check passed* message appears, installation continues.

If a *system check failed* message appears, you can either:

- Decline to view the system report, and continue installation.
- View the system report, and decide to continue installation.

## Step 4: Run the OpenLAB CDS Installation Wizard on Shared Services Server

- View the system report and postpone installation until the problem is fixed.

**NOTE**

To view the system report as PDF file, Adobe Reader must be installed.

- Decline to view the system report and postpone.

- 3 Your installation settings determine which disks need to be copied during installation. If you are installing directly from the DVDs, follow the **Insert Disk** prompts as they appear.

If you are installing from a local drive, you won't insert disks or browse to disk folders – the entire installation will run automatically, based on your installation settings.

If the **OpenLAB CDS Installation Wizard** cannot locate a necessary file (whether on a disk or in a folder), a **Disk or File not found** prompt will appear.

For disks, follow the prompts to:

- **Retry** using the same disk.
- Insert the correct disk (if you made an error), and select **OK**.
- Select **Cancel** to cancel the installation. The system will uninstall any components installed so far.

If a file in a centralized folder cannot be found, you may have to recreate the folder. See “[Step 2: Copy DVDs to a Centralized Folder for Installation \(Optional\)](#)” on page 19 above.

If the installation of any vital application or component fails, the installation will roll back (uninstall). If a failed component can be installed at a later time without affecting basic installation (e.g. ECM API, Driver) the installation will proceed. In this case you will be notified of any failure(s), and that further steps are necessary to fully complete installation.

- 4 If an IQ was completed as part of this installation, review the *Installation Qualification Report*. If the report indicates failure, verify the computer requirements and reinstall the data system. Do not use the system until an Installation Qualification Report gives a ‘pass’ result.
- 5 Click **Finish** to close the installation wizard.
- 6 Reboot the server after the installation.

## Step 5: Set up OpenLAB CDS Administration

- 1 From the Shared Services server, open OpenLAB CDS from the OpenLAB CDS Control Panel shortcut on the desktop or go to **Start > All Programs > Agilent Technologies > OpenLAB > OpenLAB Control Panel**.
- 2 From the navigation pane, select **Administration > System Configuration**.
- 3 In the **System Configuration** toolbar, select **Edit System Settings**.
- 4 In the **Edit System Settings** window, select your authentication provider from the drop-down list.

If you installed a Data Store server, you can only choose between **Internal**, **Windows Local**, or **Windows Domain**.

- 5 Select your storage provider from the drop-down list.  
The storage type **Data Store** is available only if Data Store has been deployed.
- 6 Select **Next**.
- 7 Select a user to administrate the system.
  - a If you selected **Internal** as an authentication provider:
    - Select **Create Account**.
    - In the **Create Administrator Account** dialog box, enter a **Name** and a **Password**.
  - b If you selected **Windows Local** as an authentication provider:
    - Select **Select Account**.
    - Enter a search string.
    - In the **Search Users** dialog box, select **Search** to view a list of users.
    - Select a user.
  - c If you selected **Windows Domain** as an authentication provider:
    - Select the check box to activate the input fields.
    - Enter a **Domain**, **User**, and **Password**.
    - Select **Select Account**.
    - Enter a search string.

- In the **Search Users** dialog box, select **Search** to view a list of users.
  - Select a user.
- d** If you selected **ECM** as an authentication provider:
- Provide the **ECM Server URL** and enter the ECM user credentials.
  - Select **Select Account**.
  - Enter a search string.
  - In the **Search Users** dialog box, select **Search** to view a list of users.
  - Select a user.
- 8** Select **OK**.
- 9** If you selected **Data Store** as the storage provider: Activate Data Store.
- a** Enter the URL of the Data Store server (*http://<server name>*).
- b** Enter the credentials required for activation.
- c** Click **Activate**.
- A success message is shown. Click **OK** to confirm.
- If activation fails:
- Verify URL and credentials.
  - Restart the AlfrescoTomcat service.
  - Check the firewall.
  - Check for port conflicts. Port 80 must be open.
- 10** Select **Next**.
- 11** Review your settings and select **Apply**.

### 3 Install the Software

#### Step 6: Run the OpenLAB CDS Installation Wizard on a Networked Workstation

## Step 6: Run the OpenLAB CDS Installation Wizard on a Networked Workstation

Use these procedures to install the software to any number of workstations linked to the Shared Services server. Each workstation may use different editions of OpenLAB CDS.

Here again you will be running your installation(s) either using the DVDs directly, or from a centralized folder. The installation steps are identical until you start the installation wizard: you won't be prompted to load the DVDs if you are installing from a centralized location.

### License Agreement Screen

- 1 From the OpenLAB CDS Master Installer screen, select **Installation**.
- 2 If you want to install OpenLAB Data Analysis, .NET Framework 4.0 must be installed on your system.
  - a Select **Third Party Tools** and then **.Net Framework 4.0**.
  - b The **.NET Framework 4 Setup** window opens. Accept the license terms to continue.  
Click **Install** to continue.
  - c If .NET 4.0 was successfully installed, click **Finish** to return to the **Installation** screen.
- 3 Select **OpenLAB CDS**.
- 4 If .NET 3.5 SP1 or higher is not on your system, the **Agilent OpenLAB CDS Prerequisites Setup Screen** appears.
  - a Read the licensing agreement.
  - b Select **Accept** to accept the agreement and begin .NET 3.5 SP1 installation.

#### NOTE

If you select **Don't Accept** at this screen, the install program will exit. You will have to install .NET 3.5 SP1 or higher at a later time to proceed with OpenLAB CDS installation.

### Step 6: Run the OpenLAB CDS Installation Wizard on a Networked Workstation

- 5 The **OpenLAB CDS Installation Wizard** opens. Read the terms of the **License Agreement**. Master Installer provides a printable PDF of the license agreement under the **Resources** option of the main menu.
- 6 Select **I agree with the terms and conditions**. You cannot proceed with installation unless you agree to these terms.
- 7 Select **Next** to proceed to the **Installation Folder** screen.

## Installation Folder Screen

- 1 Type the folder name or browse to the directory where you want to store the application components.

### NOTE

Installations into the root of a drive may cause problems during operation and are not supported.

- 2 To run an installation qualification as part of this installation, select **Run Installation Qualification**. The Installation Qualification (IQ) provides documentary evidence that your system has been built and installed correctly, and that all design specifications have been met. You can run the IQ at a later time if you prefer (see [“Run the IQ After Software Installation”](#) on page 60).
- 3 Select **Next** to proceed to the **Installation type** screen.

## Installation Type Screens

- 1 Under the **Installation type** screen, select **Networked System**.
- 2 Select **Next** to proceed to the **Networked system** screen.
- 3 Select **Networked Workstation** and hit **Next**.
- 4 Complete the **Networked workstation component** screen by selecting the CDS edition you want to install.
- 5 Select **Next**.

### 3 Install the Software

#### Step 6: Run the OpenLAB CDS Installation Wizard on a Networked Workstation

- 6 If you chose the **OpenLAB ChemStation Edition**:
  - a Complete the **OpenLAB CDS ChemStation Edition** screen.
  - b Under **Installation folder**, type the path or browse to the directory where you want to store the application components. Directory names must be entered *without spaces*.
  - c Select the **Install OpenLAB Data Analysis** check box if you want to install this application in addition to your CDS edition. OpenLAB Data Analysis can be installed as add-on version at a later time if you prefer (see [“Optional: Install OpenLAB Data Analysis as Add-on or Standalone Application”](#) on page 39).

#### NOTE

OpenLAB Data Analysis is not supported for installations with central data storage.

- d Select the **Install IO Library** check box if you want to install the Agilent IO library suite. The suite can be installed manually at a later time if you prefer.
  - e In the **OpenLAB Shared Services Settings for Registration** screen complete the **Server name** field.
  - f Choose the authentication service provider which you configured on the OpenLAB Shared Services server.
  - g Provide the corresponding user credentials (see [“Step 5: Set up OpenLAB CDS Administration”](#) on page 30).
  - h When you type in the **Server name**, the **Test Connection...** button will be activated. You can test connectivity for this server before completing the rest of this screen.
  - i Continue with step 8.
- 7 If you chose the **OpenLAB EZChrom Edition**:
    - a Select the **Install OpenLAB Data Analysis** check box if you want to install this application in addition to your CDS edition. OpenLAB Data Analysis can be installed as add-on version at a later time if you prefer (see [“Optional: Install OpenLAB Data Analysis as Add-on or Standalone Application”](#) on page 39).

#### NOTE

OpenLAB Data Analysis is not supported for installations with central data storage.



## 3 Install the Software

### Step 6: Run the OpenLAB CDS Installation Wizard on a Networked Workstation

## Summary Screen

- 1 Review the installation settings that you have selected in the preceding steps. Select **Back** as necessary to change installation settings, or **Cancel** to cancel the installation.

### NOTE

Before starting or canceling the installation, you can save an XML file with your installation settings. This XML can then be used for a scripted installation (see [“About Scripted Installation”](#) on page 50).

---

- 2 Select **Start** to begin installation.

The system performs an automated system check before it proceeds with the listed activities.

If a *system check passed* message appears, installation continues.

If a *system check failed* message appears, you can either:

- Decline to view the system report, and continue installation.
- View the system report, and decide to continue installation.
- View the system report and postpone installation until the problem is fixed.

### NOTE

To view the system report as PDF file, Adobe Reader must be installed.

---

- Decline to view the system report and postpone.

- 3 Your installation settings determine which disks need to be copied during installation. If you are installing directly from the DVDs, follow the **Insert Disk** prompts as they appear.

If you are installing from a local drive, you won't insert disks or browse to disk folders – the entire installation will run automatically, based on your installation settings.

If the **OpenLAB CDS Installation Wizard** cannot locate a necessary file (whether on a disk or in a folder), a **Disk or File not found** prompt will appear.

## Step 6: Run the OpenLAB CDS Installation Wizard on a Networked Workstation

For disks, follow the prompts to:

- **Retry** using the same disk.
- Insert the correct disk (if you made an error), and select **OK**.
- Select **Cancel** to cancel the installation. The system will uninstall any components installed so far.

If a file in a centralized folder cannot be found, you may have to recreate the folder. See “[Step 2: Copy DVDs to a Centralized Folder for Installation \(Optional\)](#)” on page 19 above.

If the installation of any vital application or component fails, the installation will roll back (uninstall). If a failed component can be installed at a later time without affecting basic installation (e.g. ECM API, Driver) the installation will proceed. In this case you will be notified of any failure(s), and that further steps are necessary to fully complete installation.

- 4 If an IQ was completed as part of this installation, review the *Installation Qualification Report*. If the report indicates failure, verify the computer requirements and reinstall the data system. Do not use the system until an Installation Qualification Report gives a ‘pass’ result.
- 5 Click **Finish** to close the installation wizard.

### **3 Install the Software**

#### **Optional: Install Acrobat Reader**

## **Optional: Install Acrobat Reader**

In order to view site prep or administrative reports (such as system reports), or to use the new Report Viewer Feature (ChemStation Edition only) you need a PDF reader.

If a PDF reader is not installed on your system, you can install Adobe Reader version 10.1.0 from the OpenLAB CDS installation DVDs. It is available on disk6/Adobe Reader in 4 language versions (English, Japanese, Chinese and Portuguese).

Run the self-extracting exe-file of your choice and follow the instructions of the Adobe Reader X Setup wizard.

## Optional: Install OpenLAB Data Analysis as Add-on or Standalone Application

If you have not installed OpenLAB Data Analysis together with OpenLAB CDS installation, you can install OpenLAB Data Analysis as an add-on to OpenLAB CDS or as a standalone application.

**NOTE**

OpenLAB Data Analysis is not supported for installations with central data storage.

- 1 Run the Master Installer.
- 2 From the **Master Installer** screen, select **Installation**.
- 3 OpenLAB Data Analysis requires .NET Framework 4.0 on your system. If this application is already installed on your PC, you will find **Microsoft.NET Framework 4** components under **Start > Control Panel > Programs > Programs and Features**.
- 4 To install .NET Framework 4.0:
  - a Select **Third Party Tools** and then **.Net Framework 4.0**.
  - b The **.NET Framework 4 Setup** window opens. Accept the license terms to continue.  
Click **Install** to continue.
  - c If .NET 4.0 was successfully installed, click **Finish** to return to the **Installation** screen.
- 5 Select **OpenLAB Data Analysis**.
- 6 The **OpenLAB Data Analysis Installation Wizard** opens. Read the terms of the **License Agreement**. The Master Installer provides a printable PDF of the license agreement under the **Resources** option of the main menu.
- 7 Select **I agree with the terms and conditions**. You cannot proceed with installation unless you agree to these terms.
- 8 Click **Next** to proceed to the **Installation Folder** screen.

### 3 Install the Software

#### Optional: Install OpenLAB Data Analysis as Add-on or Standalone Application

- 9 If you have installed OpenLAB CDS A.01.04 as a single or networked workstation on your PC, OpenLAB Data Analysis will be installed as an add-on.
  - a To run an installation qualification as part of this installation, select **Run Installation Qualification**. The Installation Qualification (IQ) provides documentary evidence that your system has been built and installed correctly. You can run the IQ at a later time if you prefer.
  - b Click **Next** to proceed to the **Summary** screen.
  - c Continue with step 11.
- 10 If you have not installed OpenLAB CDS on your PC, OpenLAB Data Analysis will be installed as a standalone application.
  - a The **OpenLAB Data Analysis Installation Wizard** opens. Read the terms of the **License Agreement**. The Master Installer provides a printable PDF of the license agreement under the **Resources** option of the main menu.
  - b Select **I agree with the terms and conditions**. You cannot proceed with installation unless you agree to these terms.
  - c Click **Next** to proceed to the **Installation Folder** screen.
  - d You can use the default folder, type a new folder name or browse to the directory where you want to install OpenLAB Data Analysis.
  - e To run an installation qualification as part of this installation, select **Run Installation Qualification**. The Installation Qualification (IQ) provides documentary evidence that your system has been built and installed correctly. You can run the IQ at a later time if you prefer.
  - f Click **Next** to proceed to the **Installation Type** screen.
  - g Under **Data Analysis Installation Type**, choose **Networked Workstation**.
  - h Click **Next**.
  - i At the **OpenLAB Shared Services Settings for Registration** screen, type the server name in the field provided.
  - j Click **Test Connection...** to run a connectivity check. The system will verify that the connection from this machine to the Shared Services server is functioning.

The system will display a **Connection succeeded** message if the check is successful. Click **OK** to close the message.
  - k Click **Next** to proceed to the **Summary** screen.

Optional: Install OpenLAB Data Analysis as Add-on or Standalone Application

- 11 Click **Start** to begin installation.
- 12 When the installation is finished, click **Next** to proceed to the **Installed Features** screen.
- 13 Click **Finish** to close the installation wizard.

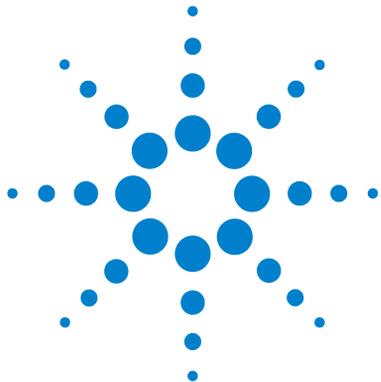
## What to do Next

The basic installation of the data system software is complete.

There is a *60-day Startup License* for this system, and the expiration period starts with your first launch of an application.

To request and download your *final software license*, and add the *license file* to your system, see the *Software License Installation Guide*.

After you have acquired and installed your *final software license*, you will continue to prepare your data system for operation by end users by configuring projects, users, and instruments. This is accomplished through the *OpenLAB CDS Control Panel*, which features an *online help* resource. For more information, please contact your Agilent representative.



## 4 Uninstall the Software

About Uninstallation 44

Run the Master Installer 45

Run the OpenLAB CDS Uninstallation Wizard on a CDS Client 46

Run the OpenLAB CDS Uninstallation Wizard on the OpenLAB Shared Services Server 47

This chapter contains information on the uninstallation by using the OpenLAB CDS Uninstallation Wizard.



## About Uninstallation

Like the installation, the uninstallation of OpenLAB CDS is automated by the OpenLAB CDS Master Installer.

For your convenience, Master Installer uses the same user interfaces for the software uninstallation of all OpenLAB CDS configurations (standalone or networked workstation). The **OpenLAB CDS Uninstallation Wizard** under the **Maintenance** section of the Master Installer guides you through the uninstallation steps.

For uninstalling OpenLAB CDS, you need to have administrator privileges for all servers and clients. Power user privileges are not sufficient (the uninstallation does not start).

## Run the Master Installer

To run the Master Installer on your workstation choose one of the following approaches:

- To run the uninstallation from disk, insert the OpenLAB CDS Installation disk (Disk 1).  
Autostart will automatically run Agilent.OpenLABCDSSetupFromDVD.exe and display the installer **Planning** screen.
- For the *portable data storage device* approach, insert the device in a computer USB port, navigate to \Disk1 and run Setup.bat to proceed to the **Planning** screen.
- For the *share file* approach, copy the contents to the local drive and navigate to the respective share file folder. Then navigate to \Disk1 and run Setup.bat to proceed to the **Planning** screen.

## 4 Uninstall the Software

### Run the OpenLAB CDS Uninstallation Wizard on a CDS Client

# Run the OpenLAB CDS Uninstallation Wizard on a CDS Client

- 1 From the Master Installer **Planning** screen, select **Maintenance** from the side bar menu.
- 2 Select **OpenLAB CDS Uninstallation**.  
The **OpenLAB CDS Uninstallation Wizard** opens.
- 3 In the **Shared Components** screen:
  - a Check the **Uninstall Installation Qualification** check box.

#### NOTE

IO needs to be uninstalled if you want to reinstall OpenLAB CDS at a later time.

- b If you want to remove IO Libraries as well, select the **Uninstall IO Library** check box.
- 4 Select **Next** to proceed to the **Summary** screen.
- 5 In the **Summary** screen under **Uninstallation of OpenLAB CDS Components**, there is a list of the components you want to uninstall.
- 6 Select **Start** to start the uninstallation.
- 7 If you want to abort the uninstallation, select **Cancel**. If you want to change any settings, select **Back**.

All listed components are automatically uninstalled, one after another.

When a component is uninstalled correctly, the status shown in the **Status** field of the **Maintenance** screen changes from **Installed** to **Uninstalled successfully**.

When the uninstallation has finished, click **Finish** to close the **Uninstallation Wizard**.

## Run the OpenLAB CDS Uninstallation Wizard on the OpenLAB Shared Services Server

- 1 From the Master Installer **Planning** screen, select **Maintenance** from the side bar menu.
- 2 Select **OpenLAB CDS Uninstallation**.  
The **OpenLAB CDS Uninstallation Wizard** opens.
- 3 In the **Shared Components** screen, check **Uninstall Installation Qualification** and **Uninstall MS SQL Server 2008 R2**.  
Under **SQL Instance**, select the instance you want to uninstall from the drop-down list.

**NOTE**

IQ needs to be uninstalled if you want to reinstall OpenLAB CDS at a later time.

- 4 Select **Next** to proceed to the **Summary** screen.
- 5 In the **Summary** screen under **Uninstallation of OpenLAB CDS Components**, there is a list of the components you want to uninstall.
- 6 Select **Start** to start the uninstallation.
- 7 If you want to abort the uninstallation, select **Cancel**. If you want to change any settings, select **Back**.

All listed components are automatically uninstalled, one after another.

When a component is uninstalled correctly, the status shown in the **Status** field of the **Maintenance** screen changes from **Installed** to **Uninstalled successfully**.

When the uninstallation has finished, click **Finish** to close the **Uninstallation Wizard**.

## **4 Uninstall the Software**

Run the OpenLAB CDS Uninstallation Wizard on the OpenLAB Shared Services Server



## 5 Scripted Installation

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This chapter describes the syntax and parameters for an installation or uninstallation in command line mode.



## About Scripted Installation

The OpenLAB CDS Master Installer supports a command line mode for installation, the so-called *scripted installation*. This mode supports installation, upgrade, repair, and uninstallation. You can execute scripted installations either manually or as part of software management systems such as LANDesk or HP CM. With the corresponding parameter (-q), the scripted installation is completely UI-less.

## Export as XML

The Master Installer supports a feature to export the installation parameters into an XML file which you can then use for the scripted installation.

This feature is also supported for upgrade and repair. However, for these cases the exported installation XML file is not appropriate. For scripted repair and upgrade, you must prepare specific XML files using the respective Master Installer wizards.

- 1 Launch the OpenLab CDS Installation Wizard.
- 2 Follow the instructions as described under *Install the Software* in this manual.
- 3 When you have reached the **Summary** screen, click the icon  on the top right corner to export the installation parameters to XML. Save the file on a physical drive.

### NOTE

Installation file and XML file must not be in the same file path.

---

You can now use the XML file for the scripted installation.

## Parameters and Return Codes

### Parameters

You can call Agilent.OpenLAB.CDSInstaller.exe in command line mode with the following parameters:

- *-i*  
Installation, upgrade or repair
- *-u*  
Uninstallation
- *ConfigurationXML="<ConfigurationXMLFilePath>"*  
The XML file contains all required inputs of the Master Installer to install, upgrade, or repair a certain topology (see “Export as XML” on page 51). Replace <ConfigurationXMLFilePath> with the correct file path and XML file name.

#### NOTE

Do not enter a blank before or after the equals (=) sign. The scripted installation and uninstallation mode will not work as expected.

- *KeepComponents*  
Optional parameter for the uninstallation process, which can contain one or more shared components that should stay on your system. Without this parameter, all OpenLAB CDS components will be removed from your system. To keep certain shared components, list the corresponding IDs from the table below in double quotes and separated by comma.

Component Name	Id
Installation Qualification	IQT
Microsoft SQL Server	SQLServer
IO Library	IOLibraries

- *-q*  
Silent mode – no installation or uninstallation wizard will be shown.

## Return Codes

After installation in the command line mode, the system will return a number code which is explained below.

**Table 2** Return codes for installation, upgrade, or repair

<b>Error/Return Code</b>	<b>Return value</b>
Unknown (default)	-1
Success	0
CoreComponentFailure	1
NonCoreComponentFailure	2
TestConnectivityFailure	3
ExpectedWindowsInstallerNotInstalled (WI 4.5 missing)	4
ParameterMismatchError	5
CannotProceedWithFreshInstallation	6
CannotProceedWithUpgrade	7
CannotProceedWithRepair	9
CannotProceedWithReRegistration	10
ReRegistrationNotSupported	11
IncompleteTopologyFound	12
InvalidUNCPath	13
MissingInstallable	14
NotAStrongPassword	15
DowngradeNotSupported	16
RestartRequired	17
InvalidInputXML	19
InvalidMode	20
SitePrepFailure	21

## 5 Scripted Installation

### Parameters and Return Codes

**Table 3** Return codes for uninstallation

<b>Error/Return Code</b>	<b>Return value</b>
Unknown (default)	-1
Success	0
CannotProceedWithUninstallation	8
RegistryCleanupError	18

## Installation, Upgrade, or Repair

In installation mode, the OpenLAB CDS Master Installer checks if .Net Framework is present on your system. If not, it will automatically be installed. Select **Accept** to agree with the license agreement.

The Master Installer evaluates the products already installed on your system. Depending on the installed components, the Master Installer will offer one of the following options:

- Start a fresh installation
- Upgrade
- Repair

If a required installable is missing, the Master Installer will create an entry in a log file, and, depending on the component type, will continue or rollback the installation. A corresponding error code will be returned in such scenarios.

### Preparations

You must have copied all disks to a centralized folder (see [“Step 2: Copy DVDs to a Centralized Folder for Installation \(Optional\)”](#) on page 19). This step is mandatory for scripted installation.

- 1 Right-click the executable of the command prompt or Power shell prompt, and run it as administrator.

You will get a return code for the scripted installation only if you start it as administrator.

- 2 Navigate to the drive where you have saved the disks.

For example: C:\CDS\_DVD

- 3 To start the installation, call Agilent.OpenLab.CDSInstaller.exe with the following syntax:

```
Agilent.OpenLab.CDSInstaller.exe -i ConfigurationXML="<path to xml file>" -q
```

For example:

```
Agilent.OpenLab.CDSInstaller.exe -i ConfigurationXML="c:\settings\  
ConfigurationXML.xml" -q
```

With this command, you start the installation wizard without a user interface.

## Uninstallation

- 1 Right-click the executable of the command prompt or Power shell prompt, and run it as administrator.

You will get a return code for the scripted uninstallation only if you start it as administrator.

- 2 Navigate to the drive where you have saved the disks.

For example: C:\CDS\_DVD

- 3 To start the uninstallation, call Agilent.OpenLab.CDSInstaller.exe with the following syntax:

*Agilent.OpenLab.CDSInstaller.exe -u KeepComponents="<list of components>" -q*

For Example:

Agilent.OpenLab.CDSInstaller.exe -u KeepComponents="IQT,IOLibraries" -q

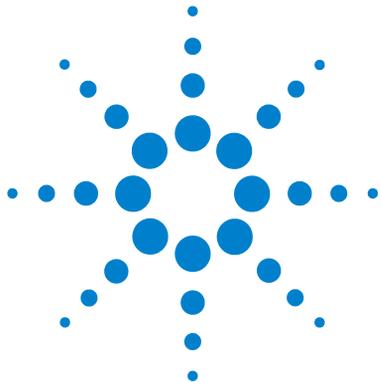
With the KeepComponents parameter, you can specify a list of shared components that you want to keep on the system (see “Parameters” on page 52). With the command given in the example, the OpenLAB CDS components Installation Qualification (IQT) and IO Library (IOLibraries) will be kept.

## Logging and Tracing

All exceptions, errors and information messages are logged in the following locations:

- During installation, upgrade, or repair: under <BaseInstallDirectory>\Logs
- During uninstallation: under <User's Temp>\<Company Name>\Logs\<Log folder>\<Wizard Name>.txt

## **5** **Scripted Installation** Logging and Tracing



## 6 Optional Procedures

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This chapter includes information on how to use the Installation Qualification Tool and how to configure the Advanced File Security (AFS).



## Run the IQ After Software Installation

The installation qualification (IQ) provides documentary evidence that your system has been built and installed correctly, and that all design specifications have been met.

**1** Using your Windows operating system, go to **Start > All Programs > Agilent Technologies > Installation Qualification Tool**.

**2** Select **Qualify**.

The system will run the application and generate an Installation Qualification Report.

**3** If the report indicates failure, verify the computer requirements and reinstall the data system.

Do not use the system until an Installation Qualification Report gives a 'pass' result.

## Configure Advanced File Security (AFS)

Advanced file security is an optional configuration for OpenLAB CDS EZChrom Edition networked systems. It provides enhanced security on the enterprise path in order to prevent any unauthorized access to project data outside of the data system. This configuration sets the appropriate Windows sharing and security settings to allow only a defined group to access the enterprise data from Windows Explorer. This may *only* be configured if your system is configured to use Windows Domain as the Shared Services authentication provider.

**NOTE**

Advanced File Security is not supported when using OpenLAB Data Analysis.

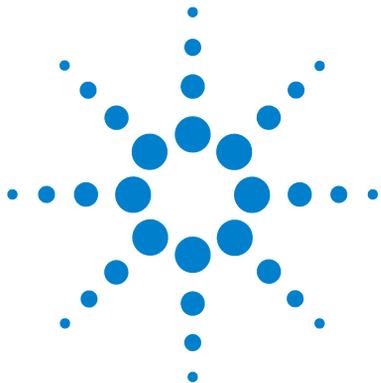
### Enable Advanced File Security

- 1 Prepare your system.
  - a Verify that your system is configured to use Windows Domain as the authentication provider. (See **Configure Security and Storage > Set the authentication provider and the storage system** in the online help.)
  - b Verify that your system is configured to use a storage path that is directly beneath the defined enterprise path.
  - c Create or define a Windows Domain group that will have access to the enterprise path outside of the data system.
  - d Define a minimum of two users who are members of the group defined above.
  - e Close all connections to the OpenLAB CDS system (i.e. clients, instrument runs, control panels).
  - f Obtain the login credentials of a domain user that has administrative rights to edit the enterprise path in its current state.
  - g Obtain the administrative login credentials of the OpenLAB Control Panel that were defined during the configuration of domain authentication.

## 6 Optional Procedures

### Configure Advanced File Security (AFS)

- 2 On any OpenLAB CDS EZChrom Edition client, browse to the directory where the software was installed.  
(by default: C:\Program Files\Agilent Technologies\EZChrom)
- 3 Launch EnterpriseConfig.exe.
- 4 An **Enterprise Setup Login** dialog will display:
  - a In the **OpenLAB Control Panel Login** section enter the user name, password, and domain of the OpenLAB Control Panel Administrator.
  - b In the **Windows User Information** section enter the user name and password of the user with edit permission to the enterprise path.
    - If this is a domain user account, select **Logon from Windows Domain** and enter the domain name (recommended).
    - If this is a local PC account, select **Windows Local PC**. This may only be an account local to the machine where the EnterpriseConfig.exe program is being run.
  - c Click **OK**.
- 5 The system will process the above credentials. If they are valid, a warning will display to advise that once this process is completed, it cannot be reversed.  
Click **OK** if you are prepared to proceed.
- 6 An Enterprise Service Account dialog will display:
  - a Enter the user name, password, and domain of a user defined to be a member of the AFS group.
  - b Enter the group name that will have access to the enterprise path under the restrictions of AFS.
  - c Click **OK**.



## 7 Upgrade to New Software Version

Upgrade from Different Revisions [64](#)

Step 1: Upgrade the OpenLAB Shared Services Server [65](#)

Step 2: Upgrade a Networked Workstation [66](#)

This chapter describes the upgrade procedures for an OpenLAB Shared Services server and for Networked Workstations.



## Upgrade from Different Revisions

### **OpenLAB Shared Services Server and ChemStation machines**

If you currently have a revision older than A.01.04 installed on the OpenLAB Shared Services server or on a ChemStation machine, the **OpenLAB CDS Upgrade Wizard** will upgrade the existing installation. You need to first upgrade the OpenLAB Shared Services server before upgrading the connected networked workstations.

### **EZChrom machines**

On EZChrom machines, OpenLAB CDS A.01.01 needs to be uninstalled before installing A.01.04. Upgrading from A.01.02 or higher does not require an uninstallation.

## Step 1: Upgrade the OpenLAB Shared Services Server

To upgrade the OpenLAB Shared Services server to A.01.04, perform the following steps:

- 1 From the Master Installer **Planning** screen, switch to the **Installation** screen.
- 2 Select **OpenLAB CDS** Installation. As OpenLAB CDS is already installed, this automatically opens the **OpenLAB CDS Upgrade Wizard**.
- 3 In the **Upgrade Type** screen, select **Next** to proceed to the **Summary** screen.
- 4 In the **Summary** screen of the Upgrade Wizard, the components for the upgrade are listed. Select **Start** to start the upgrade.

If an error occurs during the upgrade, an error message appears. When a component is upgraded correctly, the status shown in the **Status** field changes from **Installed** to **Successfully Upgraded**.

- 5 After the upgrade is completed, a warning message appears, stating that you must restart Windows for some changes to take effect.

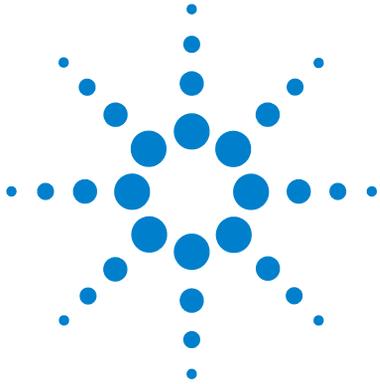
Select **Yes** to restart Windows.

Select **No** if you want to restart Windows at a later time.

## Step 2: Upgrade a Networked Workstation

To upgrade a Networked Workstation to OpenLAB CDSA.01.04, perform the following steps:

- 1** From the Master Installer **Planning** screen, switch to the **Installation** screen.
- 2** Select **OpenLAB CDS** Installation. As OpenLAB CDS is already installed, this automatically opens the **OpenLAB CDS Upgrade Wizard**.
- 3** In the **Upgrade Type** screen, select **Next** to proceed to the **Summary** screen.
- 4** In the **Summary** screen of the Upgrade Wizard, the components for the upgrade are listed. Select **Start** to start the upgrade.  
  
If an error occurs during the upgrade, an error message appears. When a component is upgraded correctly, the status shown in the **Status** field changes from **Installed** to **Successfully Upgraded**.
- 5** After the upgrade is completed, a warning message appears, stating that you must restart Windows for some changes to take effect.  
  
Select **Yes** to restart Windows.  
  
Select **No** if you want to restart Windows at a later time.



## 8 Appendix

Change Server Authentication to Mixed Mode 68

This chapter contains additional information on Microsoft SQL Server 2008 R2.



## Change Server Authentication to Mixed Mode

This procedure describes how you can switch to Mixed Mode in an existing Microsoft SQL Server 2008 R2 installation.

- 1 Start SQL Server Management Studio.
- 2 In the Object Explorer, right-click the server name, and select **Properties** from the context menu.
- 3 In the **Server Properties** dialog, select the **Security** page.
- 4 Under **Server authentication**, select **SQL Server and Windows Authentication mode**.
- 5 Click **OK**.
- 6 Enable login for user *sa*.
  - a In the Object Explorer, navigate to **Security > Logins**.
  - b Right-click the user *sa*, and select **Properties** from the context menu.
  - c In the **Login Properties** dialog, select the **General** page.
  - d Provide a strong password.
  - e Select the **Status** page.
  - f Under **Login**, select Enabled.  
Click **OK**.
- 7 Restart the SQL Server service, and log in with SQL Server Authentication.



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## In This Book

This installation guide is designed to help system administrators install the Agilent OpenLAB Chromatography Data System (CDS) to networked workstations quickly and correctly.

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