Agilent OpenLAB CDS ChemStation Edition

Upgrade Preparation Guide

Agilent Technologies

Notices

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Software Revision

This guide is valid for revision C.0x.xx of the Agilent ChemStation software.

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In This Guide...

This guide provides details for upgrading ChemStation B.0x.0x revisions to OpenLAB CDS ChemStation Edition C.01.06 or higher, and to configure your analytical system. OpenLAB CDS ChemStation Edition is referred to as ChemStation Edition throughout this guide

The documentation should be used as resource prior to a ChemStation Workstation upgrade. For information on migrating your data from a ChemStation B version to OpenLAB CDS ChemStation Edition (ChemStation C), refer to the guide: *Reusing Data from ChemStation B.04.03 SP1 and SP2 in OpenLAB CDS ChemStation Edition* (CDS_CS-data-Migration.pdf on DVD2).

1 Introduction to Agilent OpenLAB CDS ChemStation Edition

This chapter provides an overview about the changes in Agilent OpenLAB CDS ChemStation Edition with respect to the previous revision and information regarding the content of this guide.

2 Licensing Strategy

This chapter outlines the licensing strategy for the components and features of the Agilent OpenLAB CDS ChemStation Edition.

3 Prerequisites for the Upgrade to Agilent OpenLAB CDS ChemStation Edition

This chapter outlines the requirements for successful operation of the Agilent OpenLAB CDS software. Requirements include PC type and performance, operating systems and communications protocols.

4 Upgrading to Agilent ChemStation Edition Rev. C.0x.xx

This chapter describes how to upgrade to Agilent OpenLAB CDS ChemStation Edition. This includes the treatment of Add-On Solutions during the upgrade.

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1 Introduction to Agilent OpenLAB CDS ChemStation Edition

This chapter provides an overview about the changes in Agilent OpenLAB CDS ChemStation Edition with respect to the previous revision and information regarding the content of this guide.

Agilent OpenLAB CDS ChemStation Edition Overview

What's New?

Agilent OpenLAB is an open architecture that contains a portfolio of laboratory software, which provides a reusable, standardized interfaces. There are different OpenLAB solutions for each step in the life cycle of scientific data:

- Chromatographic Data System (CDS)

  OpenLAB CDS is available as EZChrom Edition or as ChemStation Edition. This manual describes the ChemStation Edition.
- Enterprise Content Manager (ECM)
- Electronic Lab Notebook (ELN)
- OpenLAB Data Store

OpenLAB CDS provides full instrument control of Agilent's LC, GC, A/D, CE, CE-MS and LC-MSD instrumentation. It offers tools for data acquisition, analysis and interpretation using a multi-technique, multi-vendor instrument control. You start the chromatography software from the OpenLAB Control Panel, where you access all functions provided by OpenLAB Shared Services (OLSS).

For an overview of the new features of each ChemStation Edition revision, starting with C.01.01, refer to the ChemStation Release Notes.

NOTE For more information on upgrading OpenLAB CDS ChemStation Edition from C.0x.0x to a later version, refer to the respective OpenLAB CDS ChemStation Edition installation guide.

OpenLAB CDS Architectural Overview

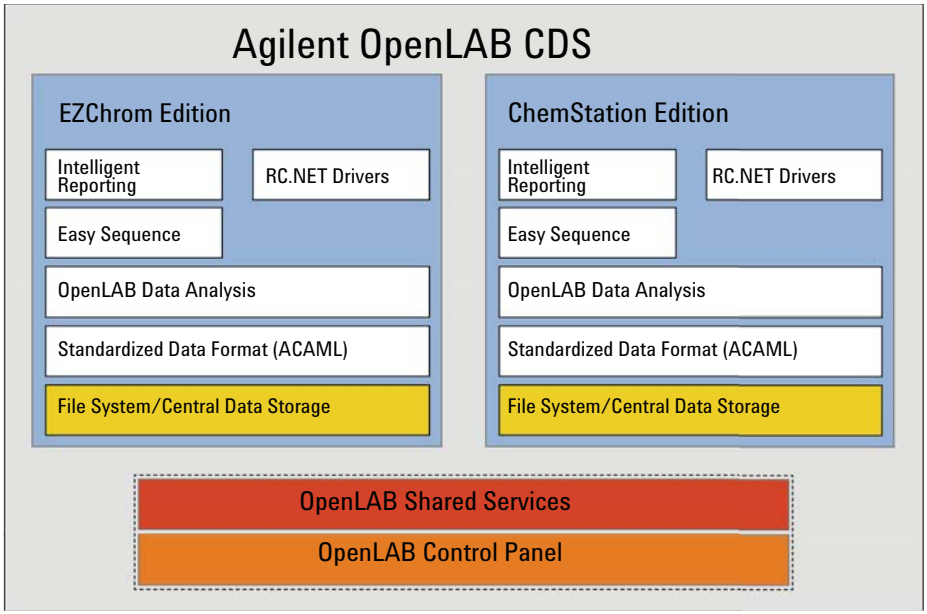


Figure 1 OpenLAB CDS architecture

OpenLAB CDS ChemStation Edition contains the following software and interface modules:

- OpenLAB Control Panel

  The OpenLAB Control Panel provides the user interface to access OpenLAB Shared Services.

- OpenLAB Shared Services

  These services provide central functions such as user management, license management, and instrument management, which can be used by all OpenLAB modules.

- Instrument control and data acquisition module (ChemStation/EZChrom)

  This module is available in either ChemStation Edition or EZChrom Edition. Both editions are downwardly compatible; you can therefore process data acquired with previous versions of the respective software. ChemStation and EZChrom share several common functions such as Easy Sequence, RC.NET drivers, and Intelligent Reporting. This guide describes the OpenLAB CDS ChemStation Edition.

OpenLAB Shared Services

You can access OpenLAB Shared Services via the OpenLAB Control Panel. Shared Services include the following functions that can be used by all OpenLAB modules:

- *Instrument Management*

  You can manage the basic information about your instruments. Depending on the configuration, this information may be accessed only from a single PC or from multiple workstations in a network.

- *Lab status at a glance*

  You can centrally access the basic information about your instruments. The basic information includes the name, location, and status (online or offline) of the instruments.

- *Remote Instrument Control*

  With a distributed system configuration, you can configure and control your instruments from any CDS client PC.

- *Activity Logbook Management*

  You can centrally access all system activities such as user login, creation/deletion of users, creation/configuration/change/deletion of instruments, etc.

- *User Management*

  You can manage users, groups, roles, and privileges. If you manage your users within an external system (for example, ECM or a Windows domain), you can map those existing users into the Shared Services.

- *License Management*

  This service includes the administration of all licenses that are required for your instrument modules and Add-ons. You can add or remove licenses and view the status of all licenses. Licenses can be available on a single License Server or on redundant License Servers.

  When you start an instrument, the CDS workstation automatically checks whether the required licenses are available in the license pool, and reserves the licenses needed to operate the instrument. When you stop the instrument, the freed licenses can be used by other instruments.

Highlights of new functions introduced with OpenLAB CDS ChemStation Edition

Supports Agilent's new Sample Entry Component

This component introduces a generic, interactive and flexible graphical representation of autosamplers and sample containers to greatly simplify and speed up the task of sample entry. The intuitive graphical user interaction with drag & drop functionality is similar to graphic/paint programs to allow sample list and sequence setups based on sample container layouts.

The associated interactive sample list table has extensive business logic with intelligent fill down mechanisms, table filters, advanced copy/paste functionalities, templates and a powerful sample list import function.

This allows you to handle sample entry fast, intuitively and efficiently, regardless of the number of samples and the setup or geometry of the used instruments.

Intelligent Reporting

You can easily create and modify templates with the new Report Template Editor. Report templates are saved in the standardized Report Definition Language (RDL) format that is also used by Microsoft Business Intelligence Studio.

If you reference a report template in a sequence method, the report template is automatically copied into the result set.

When Intelligent Reporting is activated, a new **Review view** is available. It allows you to apply any report template to any combination of data files.

Method Usage

You can directly load master methods and sequence methods from the ChemStation explorer. The **Update Methods** dialog allows you to synchronize master methods and sequence methods.

OpenLAB Data Analysis

OpenLAB Data Analysis features intuitive operation, easy sample review and fast reprocessing of large sets of chromatographic data:

- OpenLAB Data Analysis was designed for ease of use. It comes with a "flat" and intuitive user interface.
- Microsoft-style function ribbons provide fast access to the main functions.

  An improved data selection tree allows fast access to your data. You can select data from multiple folders, load complete result sets, or select single samples.
- Improved data navigation with a new data viewing concept allows overlaying and comparing hundreds of signals. You can work with both LC and GC instruments at the same time and use multiple methods and data sets in parallel.
- You can scale automatically to a specific peak, ignore main peaks, or scale to the baseline. You will no longer need to zoom per sample.
- You can design your own layout and organize your screen to meet your workflow-specific needs. Four predefined configurable layouts help you to match your screen layout with the task you are performing.
- OpenLAB Data Analysis provides very fast reprocessing (more than 10 times faster than OpenLAB CDS).
- OpenLAB Data Analysis introduces a unique one-click peak integration tool for fast review.
- OpenLAB Data Analysis works with data from EZChrom and ChemStation Edition, allowing you to use the same integration, calculation, calibration and reporting across your laboratory.
- OpenLAB Data Analysis includes both the EZChrom and ChemStation Integrator for backwards compatibility and flexibility to use the same integration across your laboratory.
- You can import the compounds from existing ChemStation and EZChrom methods.
- OpenLAB Intelligent Reporting is fully integrated. You can create sample reports, sequence summary reports, and cross-sequence summary reports.
- The Peak Explorer allows you to easily review and compare large amounts of data.

See *Agilent OpenLAB Data Analysis - Getting Started* for more information.

Reprocessing and Recalculation modes

In classic data analysis, you can choose between the **Recalculation** mode and the **Reprocessing** mode. The reprocessing mode allows reprocessing of samples in the context of a sequence (e.g. for a bracketed calibration). The recalculation mode allows a quick recalculation of a sample or a set of samples with a different method. The required functions associated with each mode are available in separate toolbars.

Result sets

Containers are now called result sets. Methods that are used in result sets may be modified during acquisition. You can create your own result sets using any collection of existing data. You can use the self-assembled result sets, for example, for cross sample calculations.

1 Introduction to Agilent OpenLAB CDS ChemStation Edition

Highlights of new functions introduced with OpenLAB CDS ChemStation Edition

2
Licensing Strategy

This chapter outlines the licensing strategy for the components and features of the Agilent OpenLAB CDS ChemStation Edition.

For more information, refer to the *Software License Installation Guide*.

Licensing Strategy

The new licensing strategy introduced with OpenLAB CDS ChemStation Edition helps you use your licenses more effectively. In contrast to previous ChemStation A and B revisions, licenses for instrument control, drivers and add-ons are *floating licenses*. Any instrument that starts up requests the necessary licenses from License Management, and when the instrument is closed, it returns the licenses. Therefore, you need only enough licenses for all concurrently running instruments rather than one for each installed instrument. License Management is part of the Shared Services.

Licenses are of two types:

- *Counted licenses* are consumed once for each associated software or instrument module.
- *Shared licenses* can be shared per PC or instrument. For example, the OpenLAB CDS ChemStation Edition license is a shared license, which means you need one only license per Workstation, no matter how many ChemStation instances you run on it.

Be sure always to obtain your new license before starting the upgrade. Licenses can be obtained from the Agilent Electronic Software and License Delivery System (https://agilent.subscribenet.com/).

Licensing Considerations

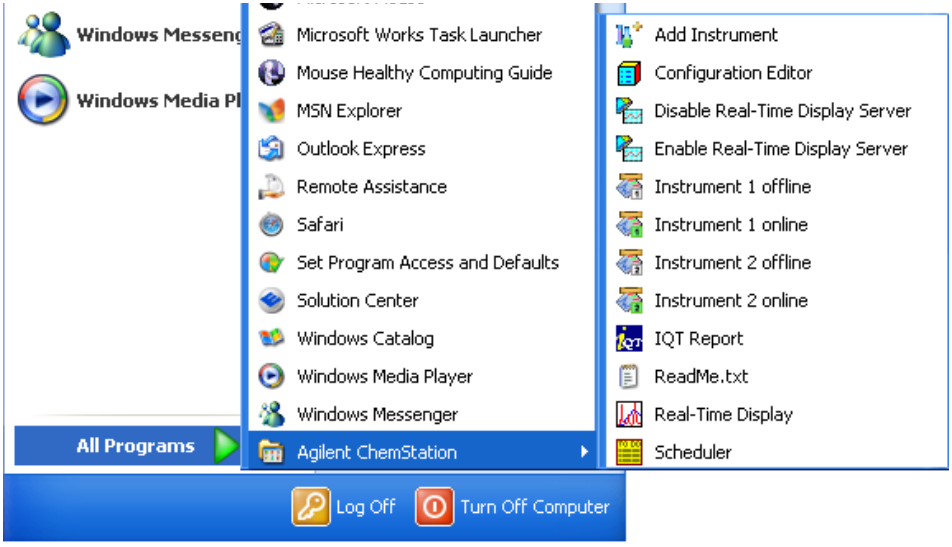
Licensing Considerations When Upgrading from a Previous Revision

Because of the new license structure, the license requirements must be calculated from the license numbers used in your current installation. For a Standalone Workstation installation, the license volume required is similar to your previous system. If you want to use a Networked Workstation installation, calculate your license requirements from your current license usage. You can reduce the number of licenses if not all instruments and ChemStations are used simultaneously (see "Licensing Strategy" on page 14)

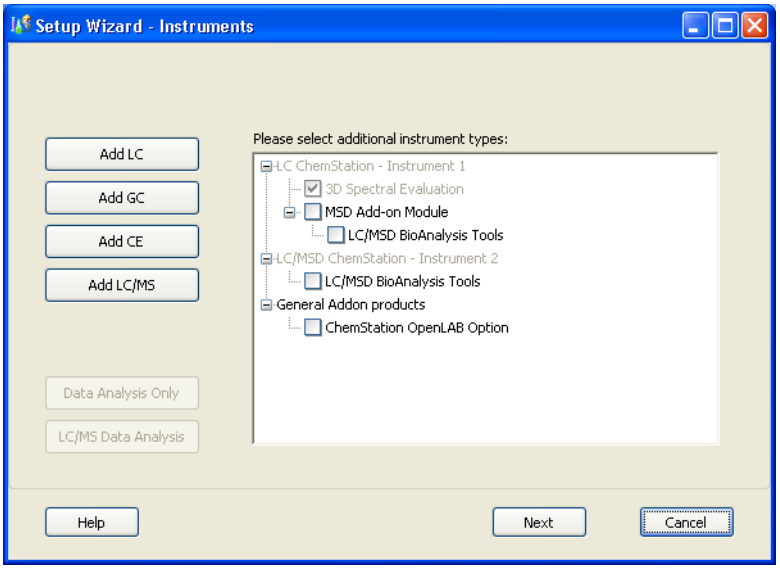
Obtaining the Current License Configuration in ChemStation B.04.xx

For the ChemStation B.04.xx, view your current licenses as follows:

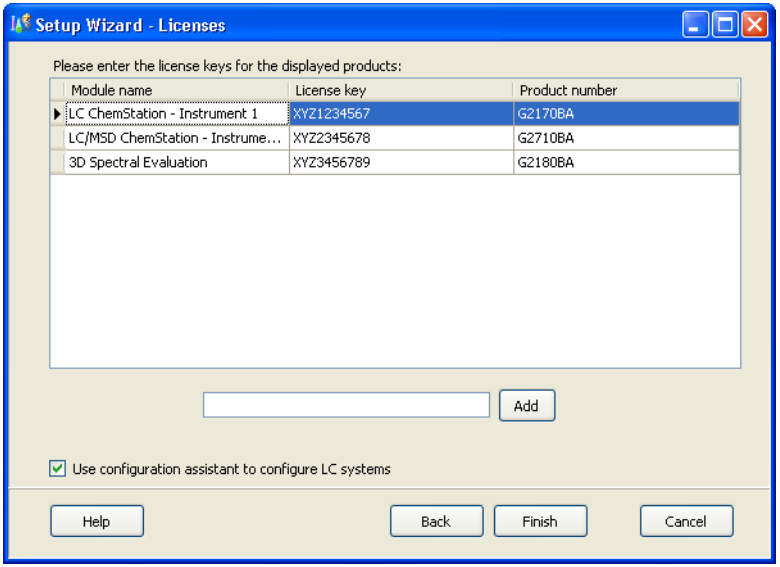
1 Open the **Add Instrument** menu entry.



The Setup Wizard opens at the **Instruments** screen.



2 Click **Next** to bypass the first screen of the instrument configuration. The **Licenses** screen of the Setup Wizard lists all the current licenses.

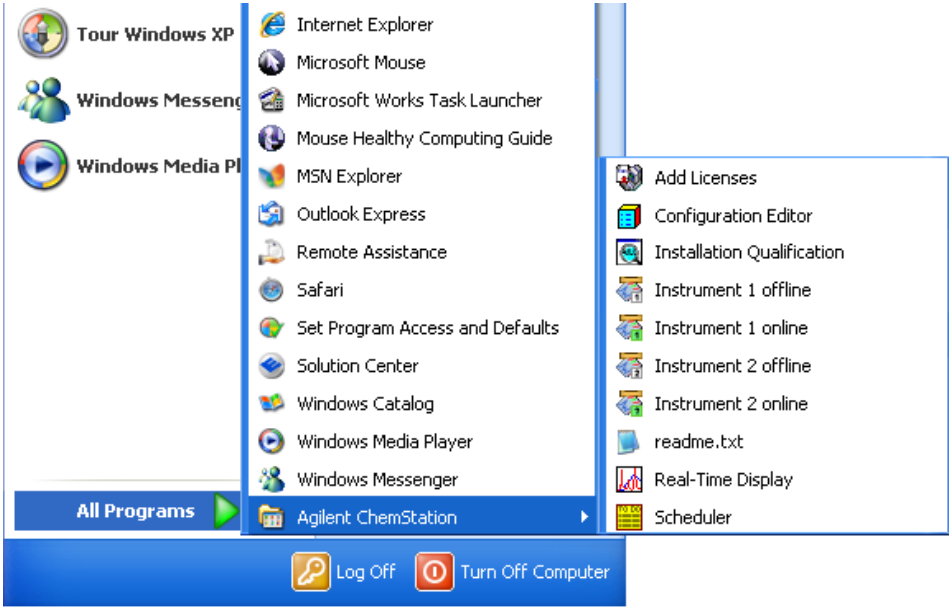


3 Note down your current licensed products and product numbers.

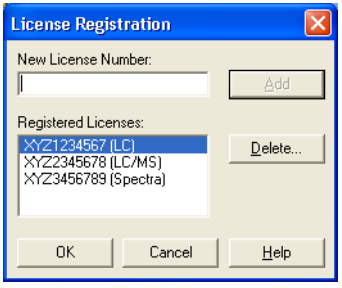
Obtaining the Current License Configuration in ChemStation Revisions Prior to B.04.01

For a ChemStation prior to revision B.04.01, use the following steps:

1 Open the **Add License** menu item.



The **License Registration** dialog box opens.



2 Note down the licenses and key values.

OpenLAB Licenses

For more details on Licenses, refer to *OpenLAB CDS Administration Guide*.

3 Prerequisites for the Upgrade to Agilent OpenLAB CDS ChemStation Edition

This chapter outlines the requirements for successful operation of the Agilent OpenLAB CDS software. Requirements include PC type and performance, operating systems and communications protocols.

Hardware and Software Requirements

Please note that the analysis and reprocessing of data is supported only on versions same as or higher than the one used for the acquisition or last reprocessing.

Full details of the computer hardware and performance requirements are given in *Agilent OpenLAB Chromatography Data System (CDS) Hardware and Software Requirements*.

Communication Components

Upgrading to Network Communication

If you connect your instrument using a standard TCP/IP protocol, it needs to be installed as a network protocol on your PC. The current configuration of the LAN Assembly or G1369A/B/C network cards that are used to connect the analytical instrument to the network remains during the upgrade.

When upgrading from a GPIB control instrument to network connection, you must install the required network communication components and reconfigure your instrument.

Using GPIB and USB-GPIB Communication

Some analytical instruments that communicate via GPIB may continue to use GPIB connection for communication with OpenLAB CDS C.0x.xx using a USB-GPIB Interface. For details, refer to the *OpenLAB CDS Supported Instruments and Firmware Guide*.

NOTE The Agilent I/O Libraries are not supported on Windows Server 2008 R2 nor Windows Server 2012; therefore, GPIB communication is not available for AICs.

CAUTION Electronic boards and components are sensitive to electrostatic discharge (ESD).

ESD can damage electronic boards and components.

➔ Be sure to hold the board by the edges, and do not touch the electrical components. Always use ESD protection (for example, an ESD wrist strap) when handling electronic boards and components.

4
Upgrading to Agilent ChemStation Edition Rev. C.0x.xx

This chapter describes how to upgrade to Agilent OpenLAB CDS ChemStation Edition. This includes the treatment of Add-On Solutions during the upgrade.

Overview of the Upgrade Procedure

The upgrade to ChemStation Edition is a major upgrade, which means that the Master Installer either uninstalls the previous ChemStation or moves it to a different folder before ChemStation Edition is installed.

- For *ChemStation Rev. B.04.0x*, if you choose to keep the existing ChemStation folder, the installed ChemStation files are removed, and all user-created files are moved to a backup folder, for example, Chem32_001. If you choose to create a new folder, the existing folder is retained with its original name.
- For *ChemStation Rev. B.03.0x and earlier*, if you choose to keep the existing ChemStation folder, the complete ChemStation installation, including all user-created files, is moved to a backup folder, for example, Chem32_001. If you choose to create a new folder, the existing folder is retained with its original name.

In either case, if the default directories have been used, the files are backed up as in Table 1 on page 24.

Table 1 Backup File Structure

Folder Name	File Type
Chem32_001\x\data*.d	data files
Chem32_001\x\methods*.m	methods
Chem32_001\x\sequences*.s	sequences
Chem32_001\x\hypersequences*.hyp	hypersequences
Chem32_001\x\verify*.val	system verification tests
Chem32_001\x*.wpt	Wellplate definition files
Chem32_001\repstyles*.frp	report styles
Chem32_001\core*.mac, mcx	user-created macro files, including user.mac
Chem32_001\core*.xml	xml files
Chem\speclibs*.uvl	UV spectral library files

NOTE License numbers and files from ChemStation Revisions A.xx.xx and B.xx.xx are not valid for the new OpenLAB CDS. Refer to "Licensing Strategy" on page 14, and contact your sales representative for further information about trade-in and upgrade licenses.

Before starting the upgrade, make sure that you have the appropriate licenses for the available instruments.

Starting with ChemStation B.02.01, it is possible to set up additional paths for data files, methods, and sequences. Files in these additional locations are also not copied; they need to be moved manually to the corresponding path in ChemStation Edition.

Preparing for the Upgrade

There are some important preparations you need to make before you upgrade your ChemStation.

NOTE OpenLAB CDS ChemStation Edition C.01.06 and higher is supported on Windows 7 SP1 and Windows 8.1 only. Older ChemStation B.0x.0x versions were supported on various older Windows Operating Systems, To upgrade to ChemStation Edition, the operating system must be updated *before* starting the ChemStation upgrade. In addition, check the "Prerequisites for the Upgrade to Agilent OpenLAB CDS ChemStation Edition" on page 19.

NOTE If you have an ECM installation, you may need to record additional settings first. See "Upgrading an Installation with ECM" on page 30 for details.

1. We strongly recommend that you back up your complete system before starting the upgrade.
2. Run the Configuration Editor and record the details of each configured instrument:
   - Instrument number
   - Instrument name
   - Connection settings (for example, IP address or GPIB address)

   Include details of any Add-On Solutions.

You need these details to reconfigure your instruments in OpenLAB OLSS.

3 For each instrument, run the ChemStation, open the Preferences dialog box (**View > Preferences**) and record the settings in each of the tabs.

You need to reproduce these settings in the upgraded ChemStation.

4 Carry out any instrument-specific preparations as described in "Instrument-Specific Upgrade Instructions" on page 27.

5 We recommend that you use **Add or Remove Programs** from the Windows Control Panel to uninstall any ChemStation Service Releases or patches.

NOTE

You may install the upgrade without removing Service Releases and patches. However, the corresponding entries may still be available in **Add or Remove Programs** after the upgrade, although the previous ChemStation version including Service Releases and patches has been correctly upgraded. In this case, do not try to remove these entries later.

6 If necessary, use **Add or Remove Programs** from the Windows Control Panel to uninstall the following components:

- PDF XChange
- Agilent I/O Libraries
- All ECM-related components (ECM API and ECM Client)

If any of these components are present, the Master Installer reports that a partial OpenLAB CDS Installation has been detected, and does not allow the upgrade to continue.

7 Uninstall all Add-On Solutions. Refer to the Add-On Solution manual for specific uninstallation instructions.

8 Close all running programs and restart your computer.

You are now ready to start installing ChemStation Edition.

Instrument-Specific Upgrade Instructions

LC-Specific Upgrade Instructions

There are no LC-specific upgrade instructions.

GC-Specific Upgrade Instructions

Add-on products such as HeadSpace, PAL Autosampler, SimDis and LTM software must be uninstalled before the ChemStation software upgrade.

Companion is included in the GC ChemStation beginning with C.01.01 and is no longer a separate add-on product.

If Retention Time Locking Software is installed as an add-on with B.01.0x and B.02.0x, it must be removed from the add/remove programs in control panel before the upgrade. Beginning with revision B.03.01, RTL is no longer an add-on, and no longer needs to be removed.

35900E The G2072BA and G2073BA A/D products require a 35900E with LAN communication.

LCMS-Specific Upgrade Instructions

Updating LC/MSD Firmware The firmware for the Agilent 6100 Series LC/MS and Agilent 1100/1200 series LC/MSD is included as part of the LC/MSD ChemStation software. After the LC/MSD ChemStation is upgraded to Rev. C.0x.xx, the LC/MSD firmware needs to be updated.

To update the instrument firmware, first make sure the LC/MSD ChemStation is closed, then run the program x:\chem32\ms\firmware\msupdate.exe (where 'x' is the drive letter corresponding to where the ChemStation software is installed)

Tune Files After upgrading to LC/MSD ChemStation Rev. C.0x.xx, a dual-polarity autotune should be performed to reestablish the tuning parameters for the instrument.

CE- and CEMS-Specific Upgrade Instructions

There are no CE- or CE/MS-specific upgrade instructions.

Add-On Solutions Instructions

All Add-On software products need to be uninstalled before any upgrade of an existing ChemStation to OpenLAB CDS ChemStation Edition. There is no automatic upgrade for Add-On products.

During the installation of an Add-On solution, certain information is written to the chemstation.ini file (located in the WINDOWS directory of your system) in order to maintain the Add-On solution program. During the upgrade process, the upgrade program reads all chemstation.ini entries and detects Add-On solutions by their entries in this file. Uninstalling the ChemStation software without previously removing the Add-On solution triggers an alert during the upgrade process.

Installed products belonging to the ChemStation Plus Family, such as ChemStore or ChemAccess, must be uninstalled using the standard Windows uninstall procedure (**Start > Settings > Control Panel > Add/Remove programs**). Uninstall these products using the Windows routine prior to upgrading the ChemStation.

In addition, some Add-On programs create entries in chemstation.ini that are not removed during the uninstallation; these entries may need to be *manually* removed from the chemstation.ini file *after* the uninstallation of the Add-On solution, but *before* the upgrade.

Installing ChemStation Edition

If you are installing from DVD, insert the OpenLAB CDS Installation disk. Autorun.inf automatically runs Agilent.OpenLABCDSSetupFromDVD.exe.

If you are installing from a portable data storage device, insert the device into a computer USB port, navigate to OpenLABCDS_A01xx_xxx\Disk1 and run setup.bat.

Refer to the *Agilent OpenLAB CDS Workstation Installation Guide* for full details.

When the ChemStation installation is complete, install any Add-On Solutions *except the PAL Sampler software*. For the PAL Sampler, the instruments must be configured *before* the software is installed. Refer to "Add-On Solutions Instructions" on page 28 for details.

NOTE

If you upgrade to a ChemStation Edition Version C.01.07 or higher, all instruments keep their configurations, including classic drivers.

However, as soon as you click **Configure Instruments**, the option for Classic drivers will no longer be available.

Finalizing the Installation

1. Open Windows Explorer and copy or move all the user-created files from the backup folders into the newly created instrument folders.
2. For each newly created instrument, run the ChemStation, open the Preferences dialog box (**View > Preferences**) and set the preferences from your records.

NOTE

If you have an ECM installation, you may need to set additional preferences. See "Upgrading an Installation with ECM" on page 30 for details.

Upgrading an Installation with ECM

NOTE ECM connection is supported only with English-language operating systems.

In ChemStation Rev. C.0x.xx, the ChemStation users, roles and permissions are administered in OpenLAB Shared Services (OLSS) rather than in ECM as in previous ChemStation revisions. This requires that the ChemStation users, roles and permissions be transferred from ECM to OLSS, and any user-created roles in ECM must be recreated in OLSS. ECM users, roles and permissions continue to be administered in ECM as before.

In addition, for upgrades from ChemStation Rev. B.04.0x, the settings from the ChemStation Administration Tool must be transferred to ChemStation Rev. C.0x.xx.

Preparing for the Upgrade

1 If you are upgrading from ChemStation Rev. B.04.0x, open the ChemStation Administration Tool (**Start > Programs > Agilent Technologies > ChemStation Administration Tool** and record all the settings.

   You need to reproduce these settings in the upgraded ChemStation.

2 Follow the upgrade procedure in "Upgrading to Agilent ChemStation Edition Rev. C.0x.xx" on page 23.

Finalizing the Upgrade

1 Complete the procedure for the ChemStation upgrade (see "Finalizing the Installation" on page 29).

2 If you have upgraded from ChemStation Rev. B.04.0x, open the ChemStation Administration Tool (**Start > Programs > Agilent Technologies > ChemStation Administration Tool** and reset all the settings from your records.

3 Ensure that **OIssEcm** is selected as **Client Services Profile** in the **Configuration Settings** group, then click **OK**.

4 Log in to ECM and navigate to the administration settings.

5 Record all details of ChemStation users:

- Users
- User groups
- Roles
- Privileges

You need to transfer this information into OLSS.

6 Run OLSS and navigate to the **Administration** settings.

7 Use the **Users**, **Groups** and **Roles** nodes to achieve the same conditions in OLSS as were in ECM.

NOTE The names of the privileges in OLSS are different from those in ECM. "ECM-OLSS Privileges Dictionary" on page 32 shows the relationships between the names in ECM and those in OLSS.

ECM-OLSS Privileges Dictionary

ChemStation:View Access

Privilege	ECM Name	OLSS Name
Access to Method and Run Control view	CS: Control (View)	Access Method and Run Control view
Access to Data Analysis view	CS: Data Analysis (Run)	Access Data Analysis view
Access to Diagnosis view	CS: Diagnostic (View)	Access Diagnostic view
Access to the Retention Time Lock menu (GC only)	CS: Retention Time Lock (Edit)	Access retention time lock
Access to Retention Time Search menu (GC only)	CS: Retention Time Search (Edit)	Access retention time search
Access to Verification (OQ/PV) view	CS: Verification (View)	Access Verification view
Enables all operations in Batch view	CS: Batch (Run)	Enable Batch view
Access to Tune view (LC-MSD only)	CS: Tune (View)	Access Tune view
Access to Report Layout view	CS: Report Layout (View)	Access Report Layout view
Access to new Review view	N/A	Access Review view

ChemStation:Instrument

Privilege	ECM Name	OLSS Name
Modify instrument configuration parameters	CS: Instrument Configuration (Edit)	Modify instrument configuration

ChemStation:Method

Privilege	ECM Name	OLSS Name
Enable the audit trail for a specific method	CS: Audit Trail (Run)	Enable audit trail
Create and modify the calibration table; change calibration settings	CS: Calibration (Edit)	Edit calibration table
Modify instrument method parameters	CS: Instrument Setup (Edit)	Modify instrument method
Modify Integration Events + perform Auto Integration	CS: Integration Events (Edit)	Edit integration events
Edit options for Ion Labels (LC/MS-only)	CS: Ion Labels (Edit)	Edit ion labels
Save method changes (includes Update Sequence/Master Method in Data Analysis view)	CS: Method (Edit)	Save method changes
Delete a method in ChemStation Explorer	CS: Method (Delete)	Delete method
Modify Run Time Checklist and Method Information	CS: Method Properties (Edit)	Modify method properties
Edit noise ranges and performance limits	CS: System Suitability (Edit)	Edit system suitability
Perform interactive recalibration	CS: Recalibration (Run)	Perform method recalibration

ChemStation:Data

Privilege	ECM Name	OLSS Name
Interactive saving of data to ECM	CS: Data (Edit)	Save data to storage
Delete data files in ChemStation Explorer	CS: Data (Delete)	Delete data
Perform manual integration	CS: Manual Integration (Run)	Manual integration

ChemStation:Report

Privilege	ECM Name	OLSS Name
Print/preview a report	CS: Print Report (Run)	Preview/print report
Modify report calculation/print style + edit Instrument Curves	CS: Report (Edit)	Modify report
Save a report template	CS: Report Template (Edit)	N/A

ChemStation:Sequence

Privilege	ECM Name	OLSS Name
Reprocess a sequence	CS: Reprocess (Run)	Reprocess
Save sequences	CS: Sequence (Edit)	Save sequence template
Delete sequences in ChemStation Explorer	CS: Sequence (Delete)	Delete sequence
Modify sequence summary report and extended statistics settings	CS: Sequence Summary (Edit)	Edit sequence summary

ChemStation:Control

Privilege	ECM Name	OLSS Name
Start acquisition (single sample or sequence)	CS: Run (Run)	Run acquisition

ChemStation:Logbook

Privilege	ECM Name	OLSS Name
Save the current logbook	CS: Logbook (Edit)	Save logbook
Clear the current logbook	CS: Logbook (Delete)	Clear logbook

ChemStation:Security

Privilege	ECM Name	OLSS Name
Unlock a ChemStation session locked by other users	CS: Break Session Lock (Run)	Break session lock
Turn on/off the command line	CS: Command Line (Run)	Command line
Access to the Transfer Queue and the Spooler Queue Manager	CS: Manage Transfer Queue (Run)	Manage transfer queue
Enable/disable the automatic upload to ECM	CS: Transfer Preference (Edit)	Modify storage transfer preferences

Manual Upgrade from ChemStation Rev. A.xx.xx

NOTE OpenLAB CDS ChemStation Edition C.01.06 and higher is supported on Windows 7 SP1 and Windows 8.1 only. Older ChemStation versions were supported on various older Windows Operating Systems, To upgrade to ChemStation Edition, the operating system must be updated *before* starting the ChemStation upgrade. In addition, check the "Prerequisites for the Upgrade to Agilent OpenLAB CDS ChemStation Edition" on page 19.

ChemStation revisions A.xx.xx cannot be upgraded automatically to ChemStation Edition. The PC hardware and software and the instrument firmware must meet the prerequisites (see "Prerequisites for the Upgrade to Agilent OpenLAB CDS ChemStation Edition" on page 19). If all the prerequisites are met, you can backup your data, uninstall the current ChemStation revision and then run the Setup Wizard of ChemStation Edition. Alternatively, you can install ChemStation Edition on a supported, clean system.

After installation, move the required user-created files manually to the appropriate directories. Be sure to back up all your necessary data. If you load methods, sequences, etc. within ChemStation Edition, they are saved using the new file format. Files saved in ChemStation Edition are not backwards-compatible with any ChemStation Rev. A.xx.xx.

NOTE Customized macro solutions and the macros within the user.mac may be affected by the move to Unicode-based encoding.

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In This Book

Use this handbook when you upgrade the Agilent ChemStation from Revision A/B.xx.xx to Revision C.0x.xx.

This handbook describes the steps to upgrade your Agilent ChemStation to Rev. C.0x.xx. It gives details about modifications compared to previous ChemStation revisions.

This handbook lists the PC hardware and software requirements that need to be met in order to upgrade and operate the Agilent ChemStation successfully. Refer also to the separate *Agilent OpenLAB CDS Hardware and Software Requirements* guide.

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