Agilent OpenLAB Chromatography Data System (CDS)

Workstation Installation and Configuration Guide

Agilent Technologies

Notices

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This product may be used as a component of an in vitro diagnostic system if the system is registered with the appropriate authorities and complies with the relevant regulations. Otherwise, it is intended only for general laboratory use.

Software Revision

This guide is valid for revision A.02.01 of Agilent OpenLAB CDS.

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In this Guide ...

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

Table 1 Terms and abbreviations used in this document

Term	Description
ChemStation	OpenLAB CDS ChemStation Edition
EZChrom	OpenLAB CDS EZChrom Edition
ECM	OpenLAB Enterprise Content Manager
Data Store	OpenLAB Data Store
AIC	Agilent Instrument Controller

1 Introduction

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

2 Configure your Workstation PC

Agilent-delivered PC Bundle systems are delivered with the supported pre-installed Windows operating system and are configured for optimum performance. Non-Agilent PC Bundle systems require some manual configuration changes in order to provide optimum performance. This chapter describes how to configure a non-Agilent PC Bundle system.

3 Install the Software

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 or standalone application.

4 Uninstall the Software

This chapter contains information on the uninstallation by using the OpenLAB CDS Uninstallation Wizard. It also describes post uninstallation tasks that are essential if you plan to reinstall ChemStation on the same computer.

5 Scripted Installation

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

6 Optional Procedures

This chapter includes information on how to use the Software Verification Tool, and how to upgrade your OpenLAB CDS Workstation to a higher version.

Contents

1 Introduction 7

Who Should Read This Guide? 8
The Agilent OpenLAB CDS Software 9
Before You Begin 10

2 Configure your Workstation PC 13

Installing Windows 14
Using the OpenLAB CDS Configuration Checker 15
Configuring Windows 7 16
Configuring Windows 8.1 35
Configuring the Antivirus Program 52
Editing the Security Settings for LC/MS and CE/MS Systems 54

3 Install the Software 57

Step 1: Run the Application 58
Step 2: Copy DVDs to a Centralized Folder for Installation (Optional) 59
Step 3: Run the System Configuration Checker 60
Step 4: Prepare Third Party Tools 62
Step 5: Run the OpenLAB CDS Installation Wizard 63
Post Installation Tasks 69
Install OpenLAB Data Analysis as Add-on or Stand-alone Application 70
What to do Next 73

4 Uninstall the Software 75

About Uninstallation 76
Run the Master Installer 77
Run the OpenLAB CDS Uninstallation Wizard 78

5 Scripted Installation 79

About Scripted Installation 80
Export as XML 81
Parameters and Return Codes 82
Installation, Upgrade, or Repair 85
Uninstallation 86
Logging and Tracing 86

6 Optional Procedures 87

Run a Software Verification after Software Installation 88
Upgrade OpenLAB CDS Workstation to Latest Version 89

1 Introduction

Who Should Read This Guide? 8
The Agilent OpenLAB CDS Software 9
Before You Begin 10

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

Who Should Read This Guide?

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

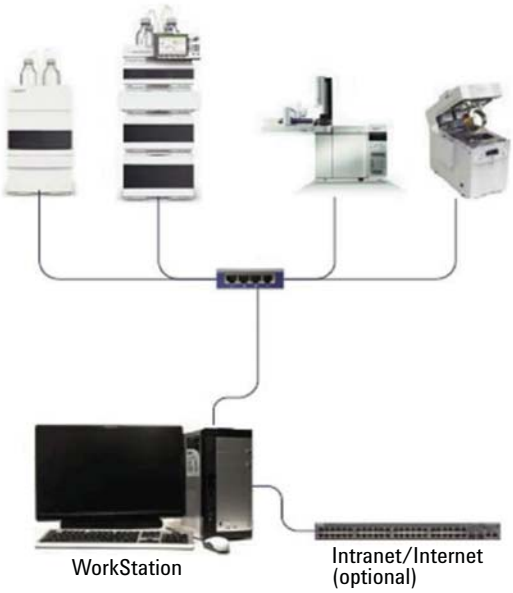


Figure 1 Workstation configuration

See your Agilent representative for other system configuration installation guides.

The Agilent OpenLAB CDS Software

The Agilent OpenLAB CDS, along with 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. The following table lists the disks you will receive for your software edition.

Table 2 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 Data Analysis[1]	X	X

[1] Only supported with an OpenLAB CDS Workstation, or with OpenLAB CDS EZChrom systems using an Enterprise Path without Advanced File Security.

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 directory location to store all files related to the data system software, including data, methods, sequences, and configurations. The directory must always be accessible to the PC running the software.
3. If you will be using OpenLAB ECM with your system, obtain the ECM server name.

NOTE Make sure you have administrator privileges for both ECM and OpenLAB.

4. 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. (Recommended)
   - *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. However, some networks may interfere with installation.

5 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:

- *OpenLAB CDS Hardware and Software Requirements* — Use this PDF to determine whether your hardware and software will support the system.
- *Workstation Installation Guide* — 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.

6 Install all required hardware, including any A/D boards, cables, GPIB boards, instrument detectors, and communication cables.

1 Introduction

Before You Begin

2
Configure your Workstation PC

Installing Windows 14
Using the OpenLAB CDS Configuration Checker 15
Configuring Windows 7 16
Configuring Windows 8.1 35
Configuring the Antivirus Program 52
Editing the Security Settings for LC/MS and CE/MS Systems 54
Firewall 54
Advanced Network Settings 54

Agilent-delivered PC Bundle systems are delivered with the supported pre-installed Windows operating system and are configured for optimum performance. Non-Agilent PC Bundle systems require some manual configuration changes in order to provide optimum performance. This chapter describes how to configure a non-Agilent PC Bundle system.

Installing Windows

NOTE Keep your PC 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 from the Microsoft installation media. During the setup, provide the computer name, administrator password and network settings. Choose to either join an existing domain or set up the system in a workgroup mode.

2 To secure your system against viruses please install an antivirus program. Be sure to open the firewall ports listed in the Firewall Settings in the *OpenLAB CDS Network Requirements* guide.

NOTE Running antivirus programs might influence the behavior and performance of your computer. Some virus scanners might cause issues when used with OpenLAB CDS. OpenLAB CDS was tested to run with Symantec's Endpoint Protection.

Using the OpenLAB CDS Configuration Checker

NOTE This tool is only available for OpenLAB CDS ChemStation Edition on Windows 7.

The OpenLAB CDS Configuration Checker checks and repairs all *mandatory* settings. It does not check optional settings or settings that improve the performance.

The OpenLAB CDS Configuration Checker comes as .diagcab file, which is a file format used with the Microsoft Windows Troubleshooting Platform (WTP) program. The Microsoft Windows Troubleshooting Platform (WTP) is a platform to locate and fix hardware and software settings in Windows. It is used specifically for diagnosing and repairing computer settings.

In general, .diagcab files are useful for deploying troubleshooting packs because they are self-contained and require no installation. They can be deployed onto web sites, network shares, or copied to USB keys. The .diagcab file name extension is a registered file name extension that can be executed by WTP.

To start the OpenLAB CDS Configuration Checker, call the file Agilent.Wtp.ChemStation.WindowsConfiguration.diagcab. This file is located on the OpenLAB CDS disc 6 under Tools\OpenLAB CDS ChemStation Edition\Diagnostics\WindowsConfiguration\Cab\

NOTE While using the Configuration Checker:

- Ensure that this computer is not turned off by another user.
- Ensure that the menu bar is enabled.

Configuring Windows 7

Some changes within this document are mandatory for OpenLAB CDS to work properly on a Windows 7 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**)

a Click **Organize > Layout**

- Select **Menu Bar**
- Select **Navigation Panel**

b Set **View** to **Details**

c Click **Tools > Folder Options**

- **View** tab:

  Clear **Use Sharing Wizard**

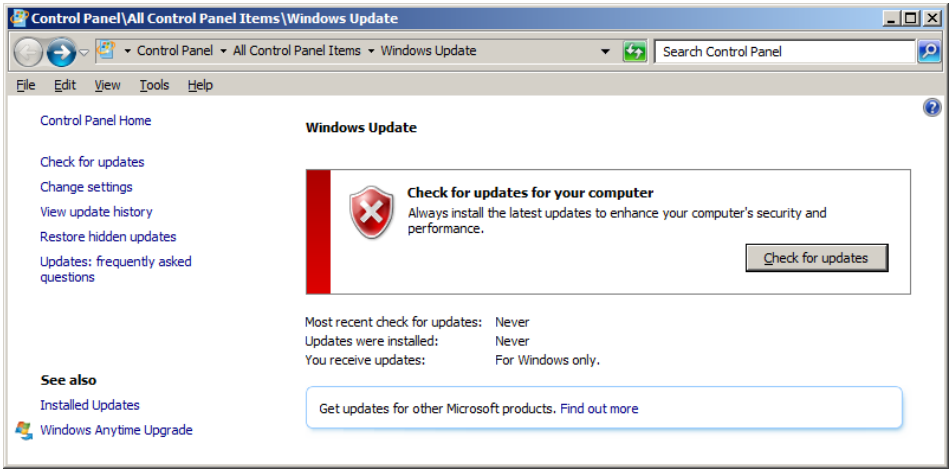
  Clear **Hide extensions for known file types**

  Enable **Display the full path in the title bar**

d Click **Apply to Folders** to apply these settings to all folders.

[MUST] **2** Check for updates and apply all critical security patches: (Go to **Control Panel > Windows Update**)[1]

Click **Check for updates**.



[MUST] **3** Go to **Start > Control Panel > System**, and register Windows 7 with Microsoft.

[1] View the items by icon to see a list of all items.

[MUST] **4** Settings for updates (Go to **Start > Control Panel > Windows Update**):

Click **Change settings**. In the **Important updates** section, select **Never check for updates**. Clear the other update options.

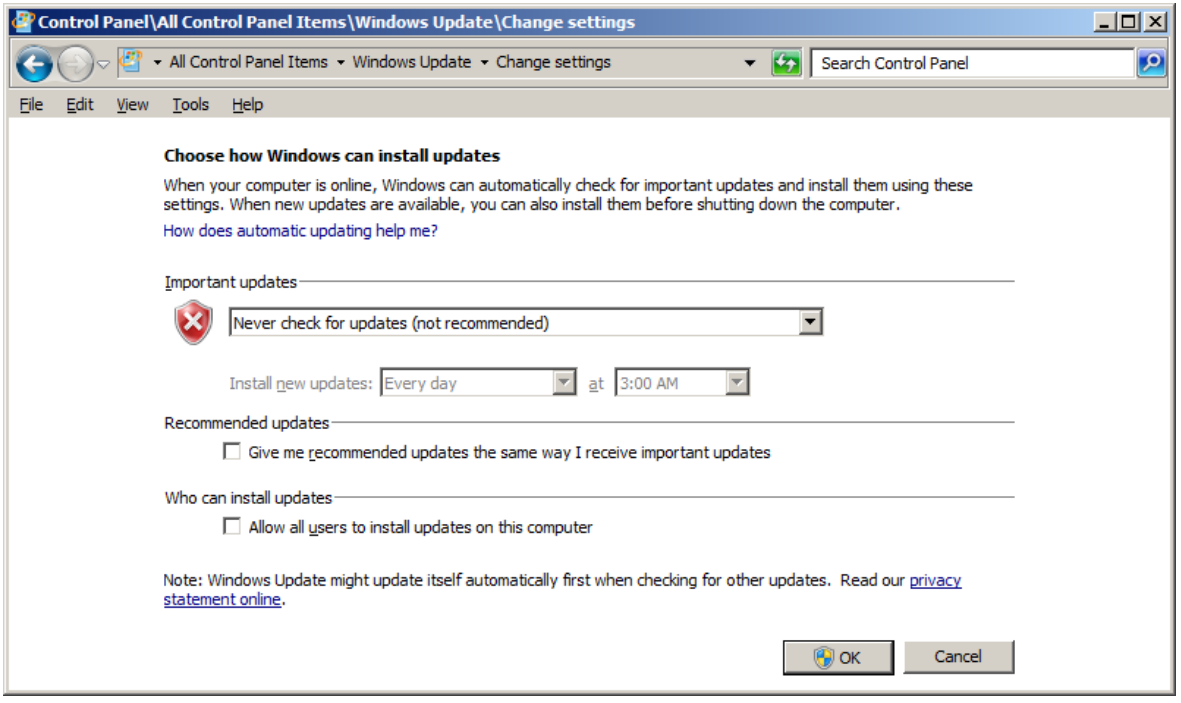


Figure 2 Windows Update Settings

NOTE This setting is important to avoid data loss due to system reboot during data acquisition.

[MUST] **5** Disable Services (Go to **Start > Control Panel > Administrative Tools**[1].):

a Double-click **Services**.

b Right-click the **Desktop Window Manager Session Manager** service. In the context menu select **Properties**. Set the startup type to **Disabled**. Confirm by clicking **OK**.

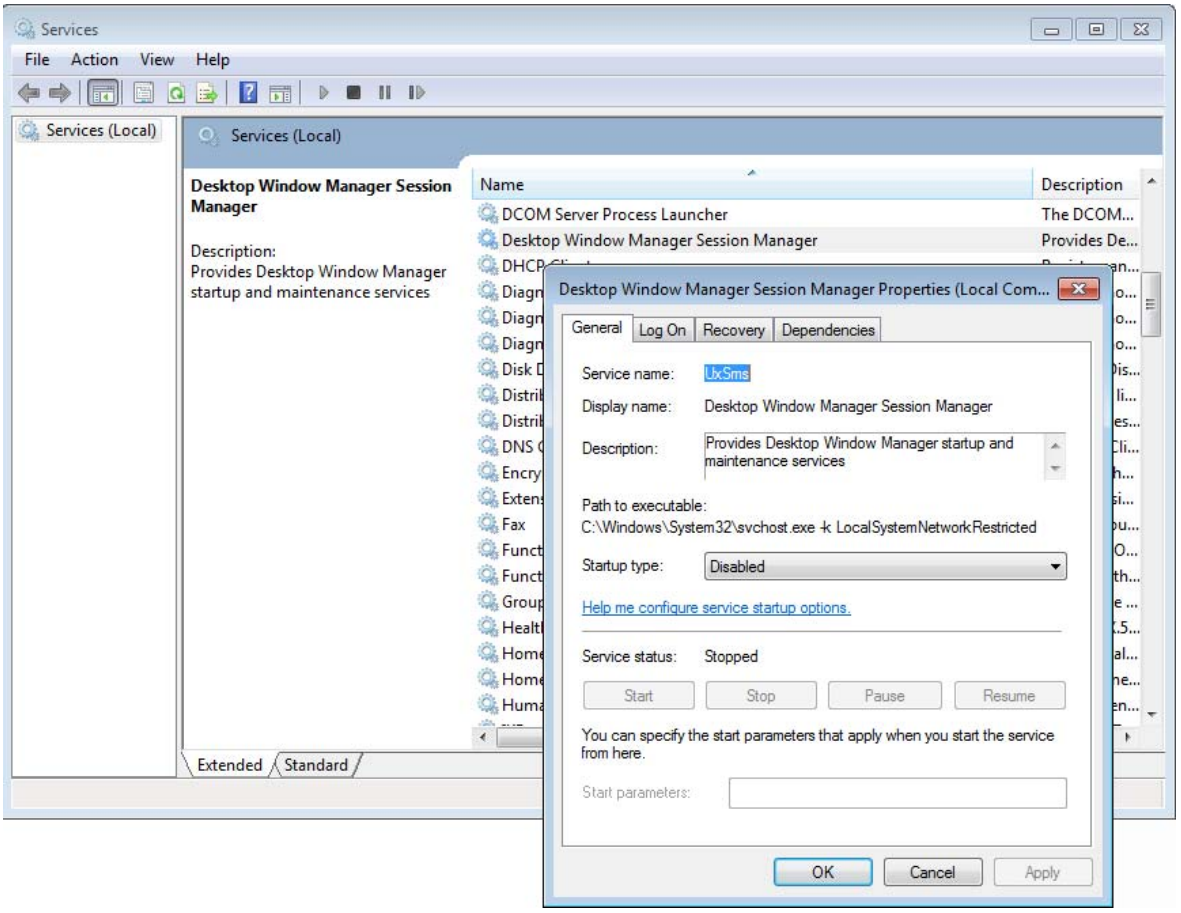


Figure 3 Disable Desktop Service

c Do the same for **Application Experience service**.

d Close the **Services** window.

e Close **Administrative Tools**.

[1] View the items by icon to see a list of all items.

[MUST] **6** Disable indexing (Go to **Start > Control Panel > Indexing Options**[1]):

Click the **Modify** button. Clear all drives and locations. Click **OK**. Click **Close**.

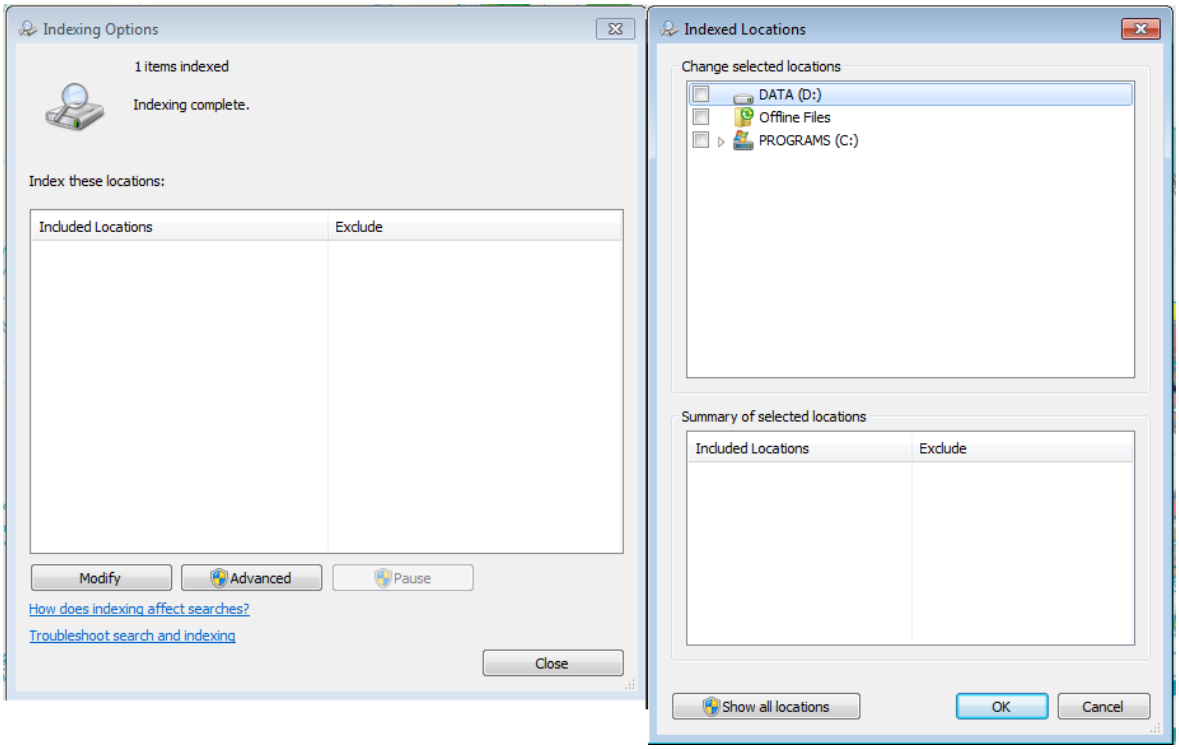


Figure 4 Disable file indexing

[1] View the items by icon to see a list of all items.

7 Windows logon options (**Start > search for 'gpedit.msc'**)

[MUST] **a** Navigate to **Local Computer Policy > Computer Configuration > Administrative Templates > System > Logon**. Select **Hide entry points for Fast User Switching** and **Always use classic logon**.

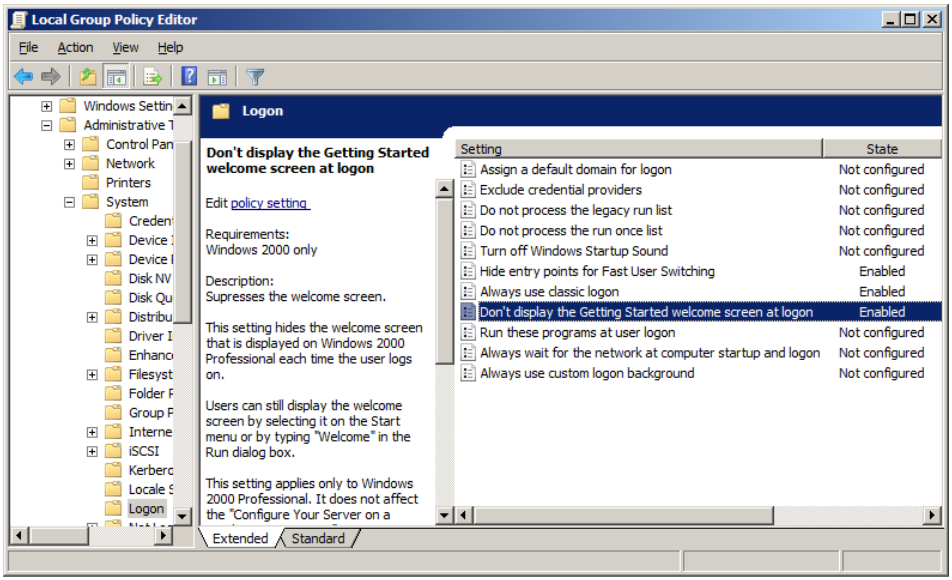


Figure 5 **Local Group Policy Editor** Dialog

[MUST] **8** Adjust Power Options (**Start > Control Panel > Power Options**[1]):

a As preferred plan select **High performance**

b Click **Change Plan settings** (see Figure 7 on page 23)

c Set the option **Put the computer to sleep** to **Never**

d Click **Change advanced power settings**. Open the nodes for **Hard disk**, **Turn off hard disk after** and set the Minutes to 0 (=Never). Click **OK**.

e Save the changes.

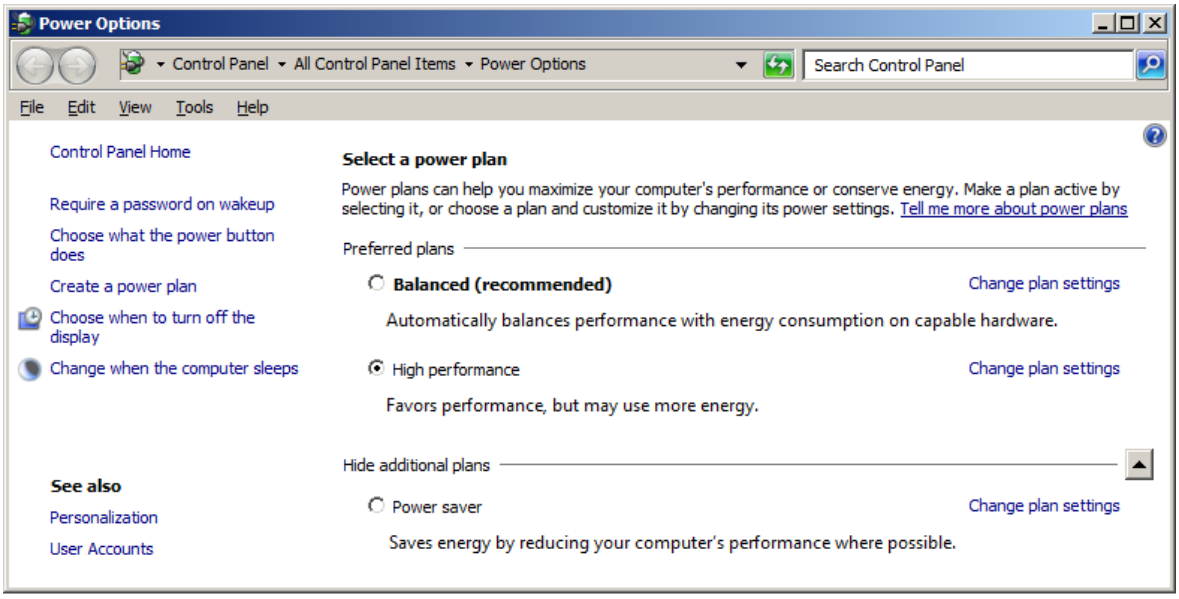


Figure 6 Selecting a power plan

[1] View the items by icon to see a list of all items.

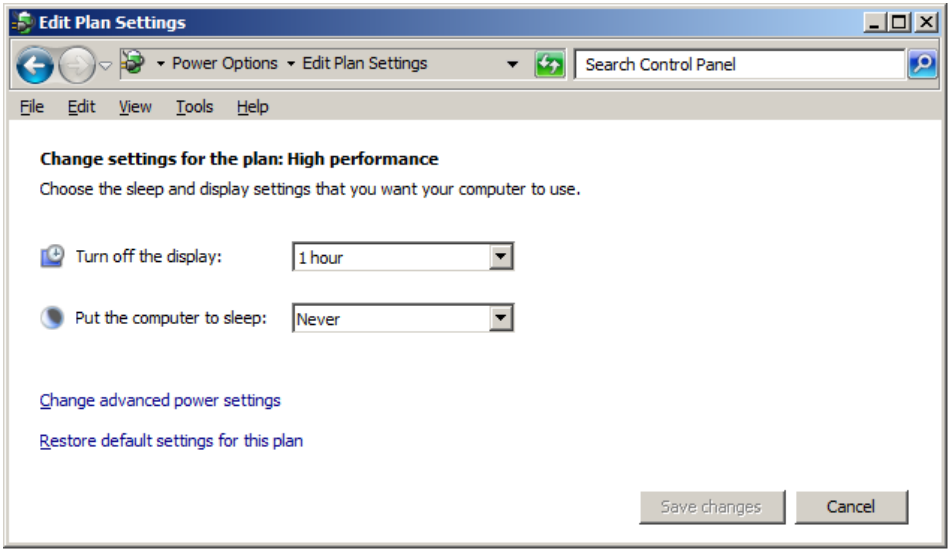


Figure 7 **Edit Plan Settings**: High Performance

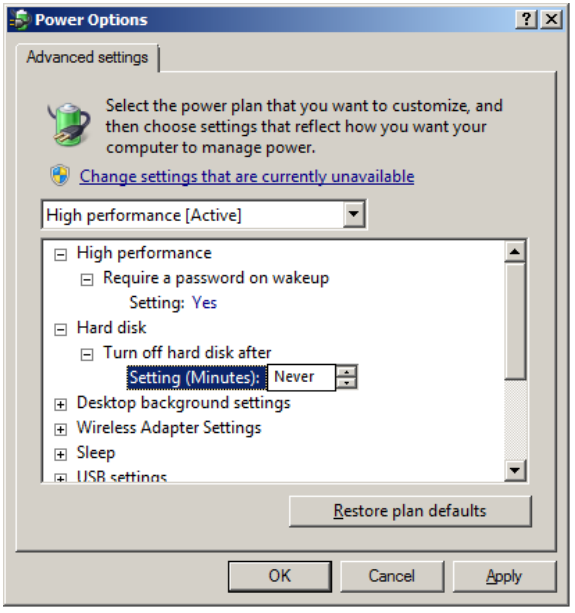


Figure 8 Power Options

[MUST] **9** Local Security Policy: (Go to **Start > Control Panel > Administrative Tools**)[1]:

a Go to **Local Security Policy**.

b Navigate to **Security Settings > Local Policies > Security Options**

c Double-click the following policy listed in the right hand panel: **Network Access: Sharing and security model for local accounts**

d In the displayed dialog select the following item from the drop-down list: **Classic - local users authenticate as themselves**

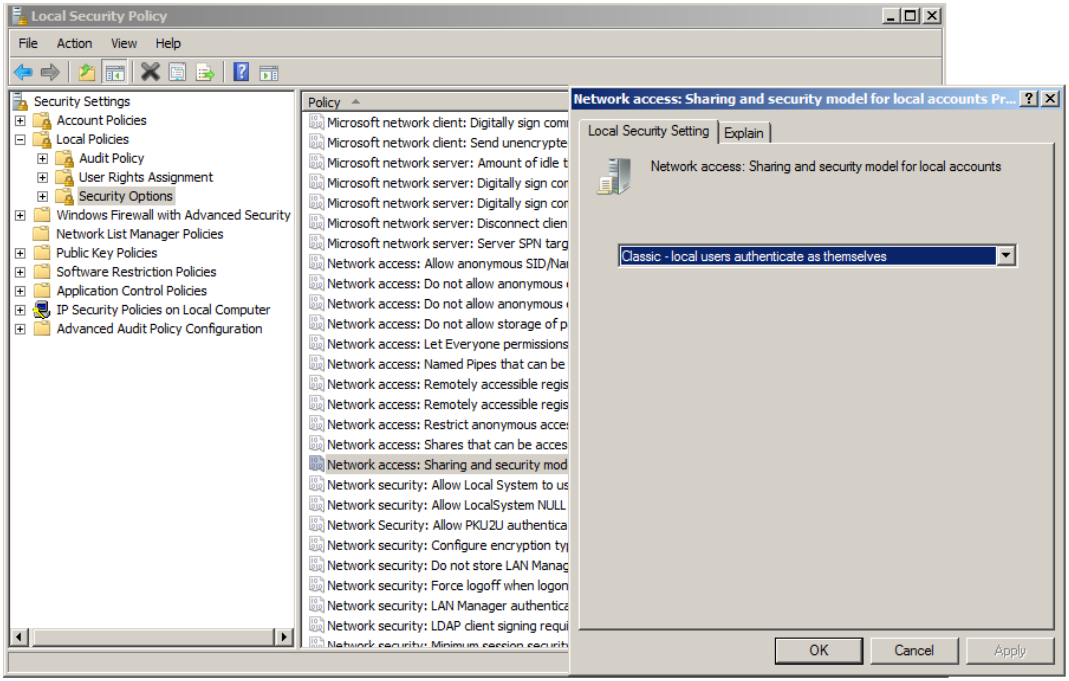


Figure 9 **Local Security Policy** Dialog: Network

[1] View the items by icon to see a list of all items.

[MUST] **10** Region and Language (Go to **Start > Control Panel > Region and Language**[1]).

a Regional options should be set to **English (United States)** from the drop-down list.

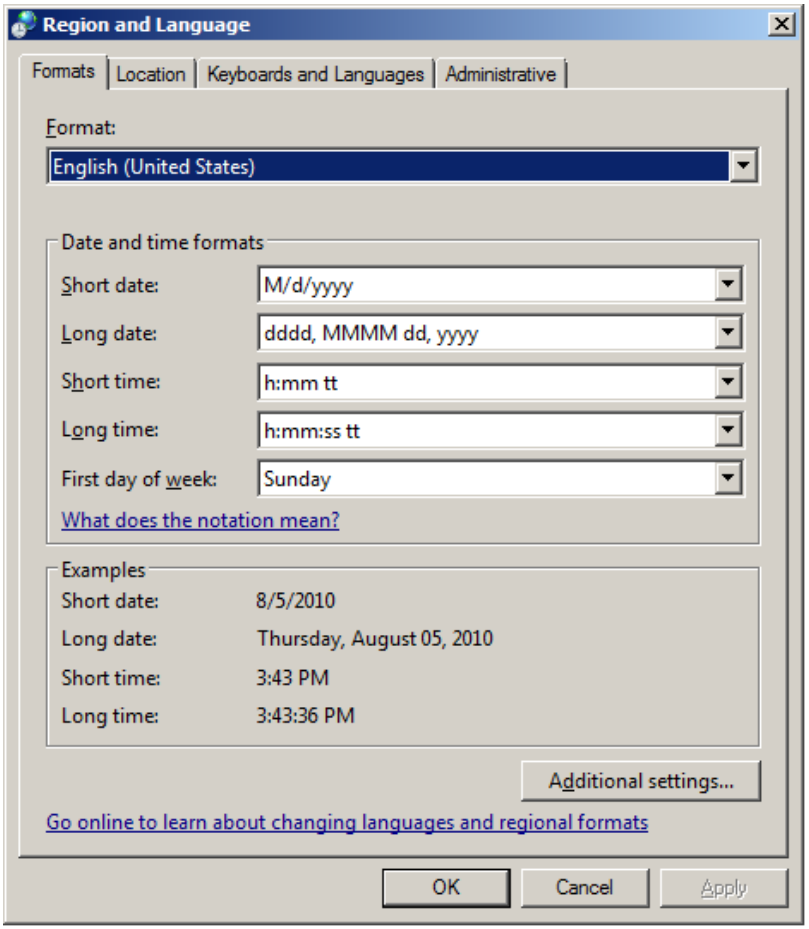


Figure 10 **Regional and Language Options** Dialog

[1] View the items by icon to see a list of all items.

b If regional format other than **English (United States)** is used, the following settings are mandatory. The settings can be defined by clicking on the **Additional settings...** button:

- Decimal symbol = . (point)
- Digit grouping symbol = , (comma)
- List separator =, (comma)

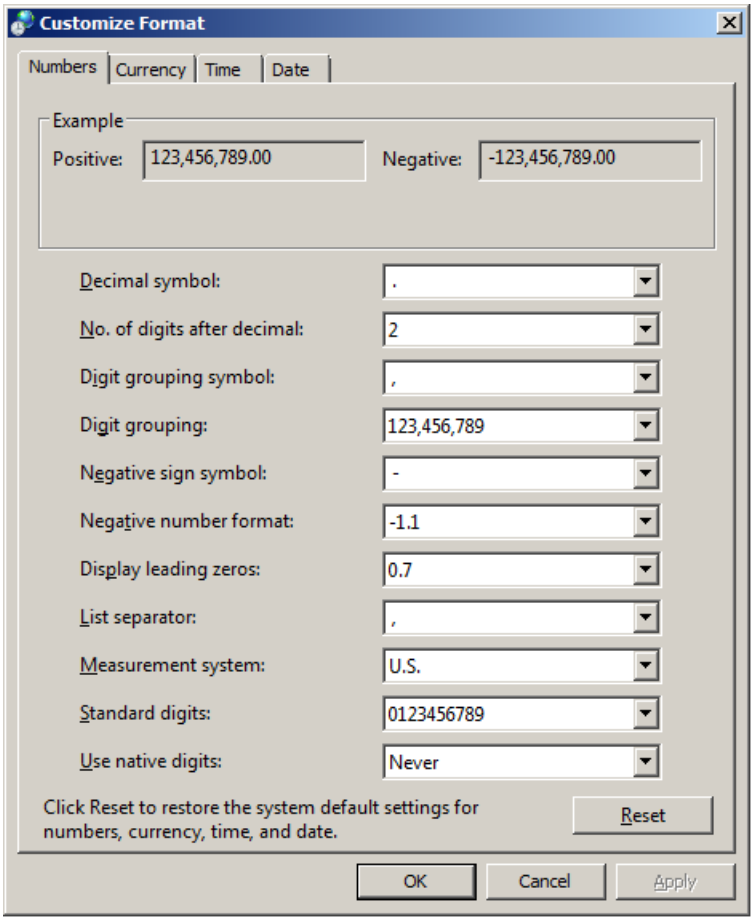


Figure 11 Customize Regional Dialog

[OPTIONAL] **c** Language for non-Unicode programs: On the **Administrative** tab click **Change system locale...**. From the drop down list, select **English (United States)**

NOTE Do not change system locale if you are using an English, Japanese or Chinese Operating System.

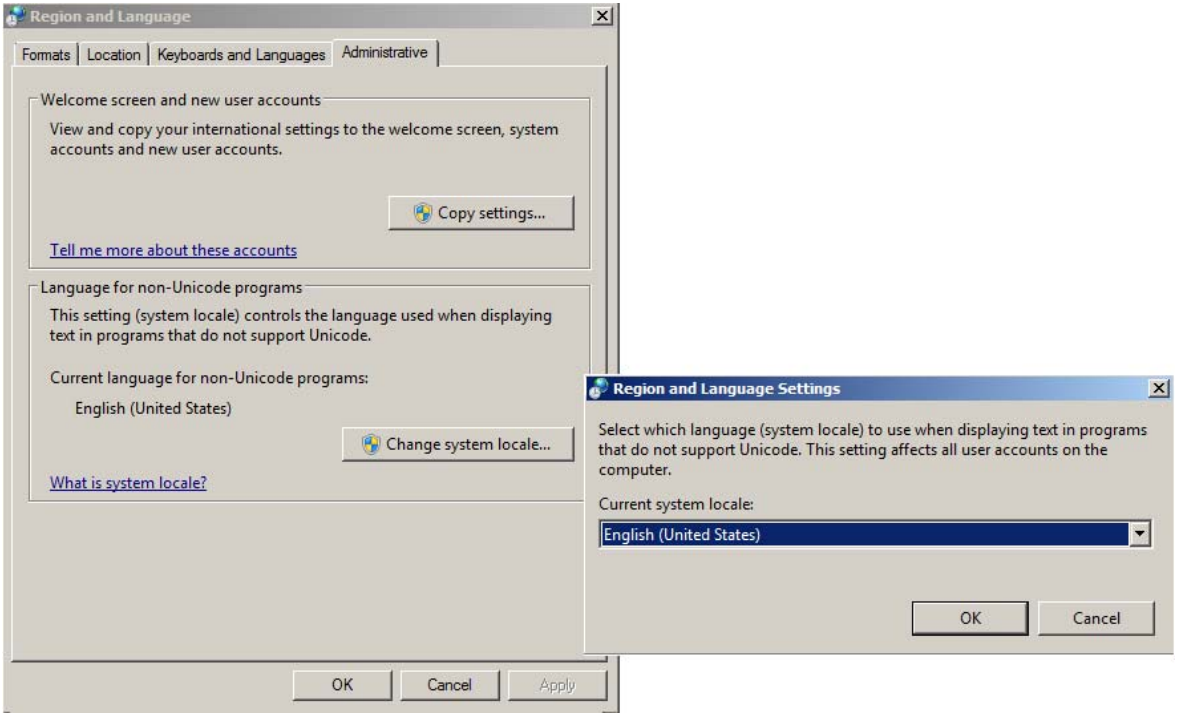
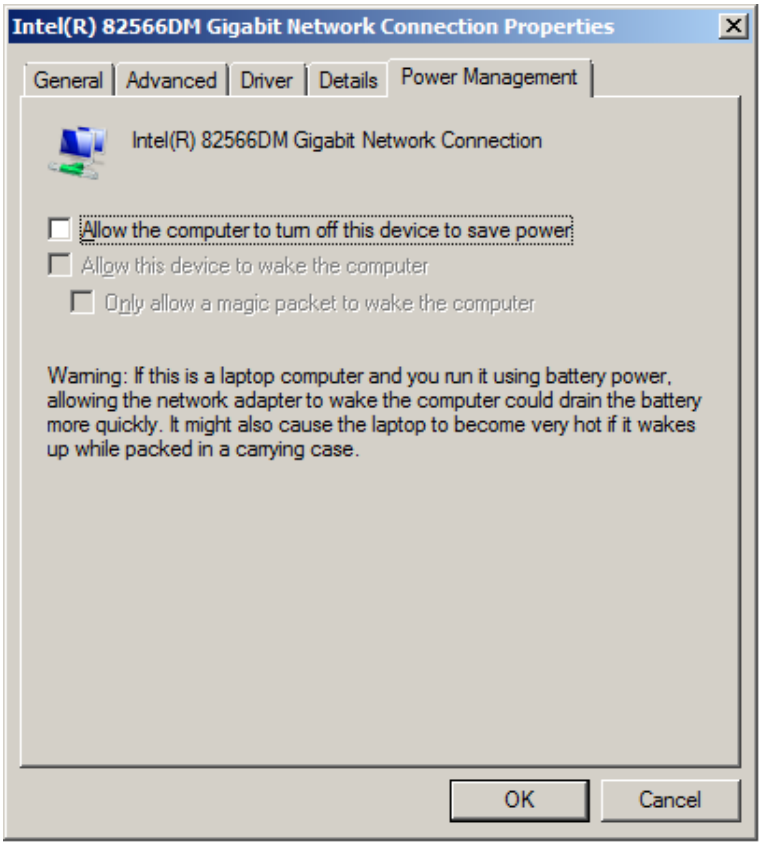


Figure 12 **Regional and Language Options** Dialog, **Administrative** Tab

[MUST] **11** Power Management for network devices (Go to **Start > Control Panel > Network and Sharing Center**[1]):

a Select **Change adapter settings**. Right-click **Local Area Connection > Properties > Configure**.

b On the **Power Management** tab, clear all check boxes.



[1] View the items by icon to see a list of all items.

[PERFORMANCE] **12** Performance options (Go to **Start > Control Panel > Performance Information and Tools**[1]):

a Click **Adjust visual effects**.

b Select **Adjust for best performance**.

c Save the settings.

[PERFORMANCE] **13** System Properties (Go to **Start > Control Panel > System**[1]):

a Click **Advanced system settings**.

b On the **Advanced** tab > **Performance** click **Settings**.

- **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. If possible locate the paging file on a drive different from system and ChemStation installation drive.
- **Data Execution Prevention** tab: Select **Turn on DEP for essential Windows programs and services only**.

c **Advanced > Startup and Recovery > Settings** button:

- **System startup** section:

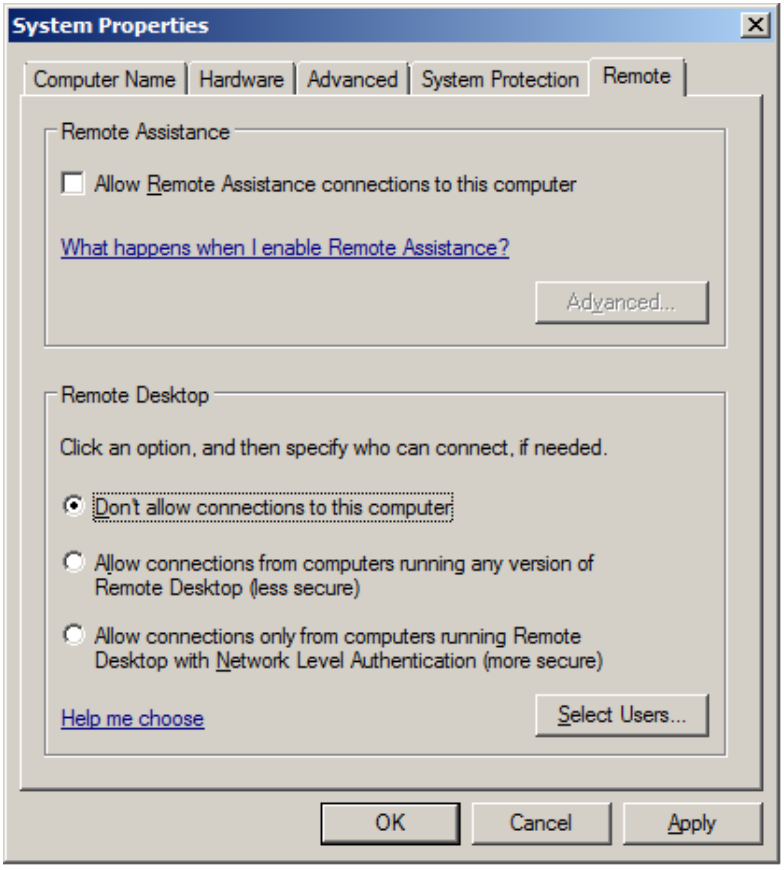
  Change both **Time to display ...** fields from **30** to **3** sec.
- **System failure** section:

  Select **Automatically restart**, in the **Write debugging information** section select **Kernel memory dump** from the drop-down list.

[1] View the items by icon to see a list of all items.

d Remote tab

- In the **Remote Assistance** section, clear the check box **Allow Remote Assistance connections to this computer**.
- In the **Remote Desktop** section, select **Don't allow connections to this computer**.



[OPTIONAL] **14** General Layout: (right-click **Start > Properties**)

a **Start Menu** Tab: In the **Privacy** section select both items

b **Start Menu** Tab > **Customize** button: In **Customize Start Menu** dialog:

- Clear the following option:
  - **Favorites menu**
- Select the following options:
  - Computer **Display as a link**
  - **Connect To**
  - Control Panel: **Display as a menu**
  - **Default Programs**
  - **Devices and Printers**
  - Documents: **Display as a link**
  - **Enable context menus and dragging and dropping**
  - Games: **Don't display this item**
  - **Help**
  - **Highlight newly installed programs**
  - Music: **Don't display this item**
  - **Network**
  - **Open submenus when I pause on them with the mouse pointer**
  - Personal folder: **Display as a link**
  - Pictures: **Display as a link**
  - **Run command**
  - Search other files and libraries **Search with public folders**
  - **Search programs and Control Panel**
  - **Sort All Programs menu by name**
  - System administrative tools: **Display on the All Programs menu and in the Start menu**
  - **Use large icons**

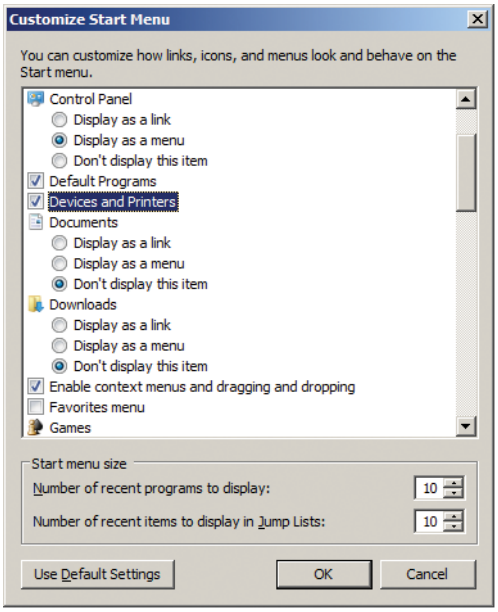


Figure 13 Start Menu configuration

[OPTIONAL] **15** Welcome Center (**Start > search for 'gpedit.msc'**):

a Navigate to **Local Computer Policy > Computer Configuration > Administrative Templates > System > Logon**.

b Select **Don't display the Getting Started welcome screen at logon**.

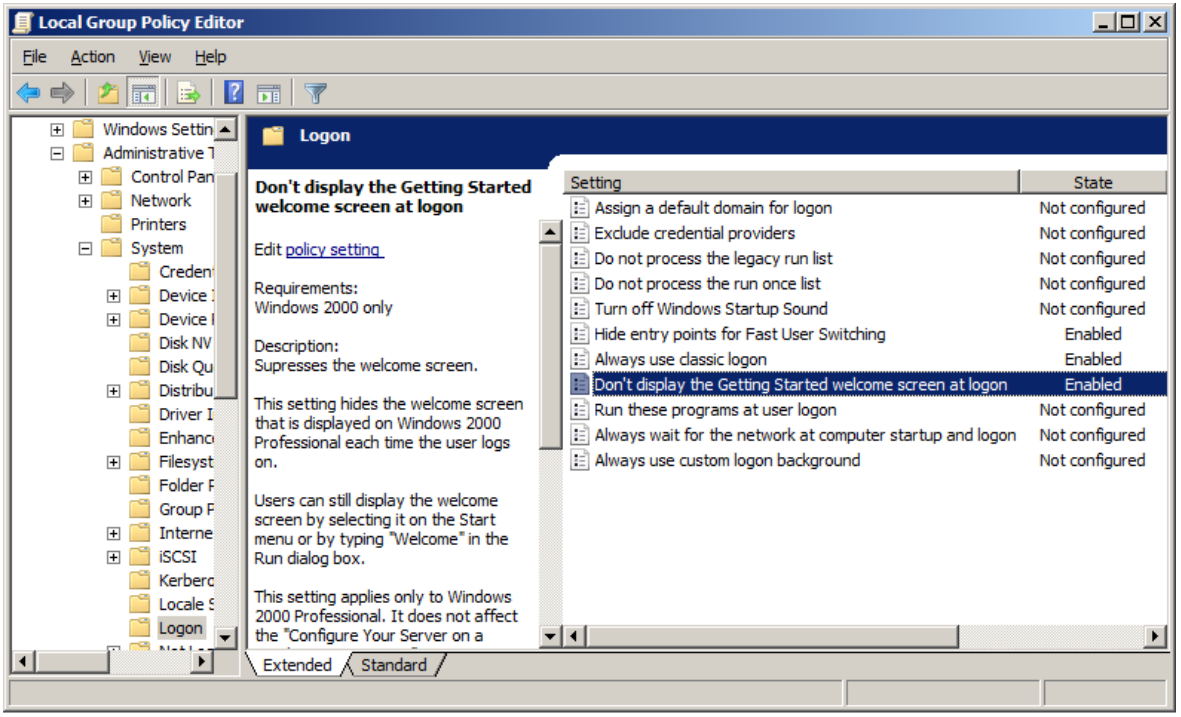
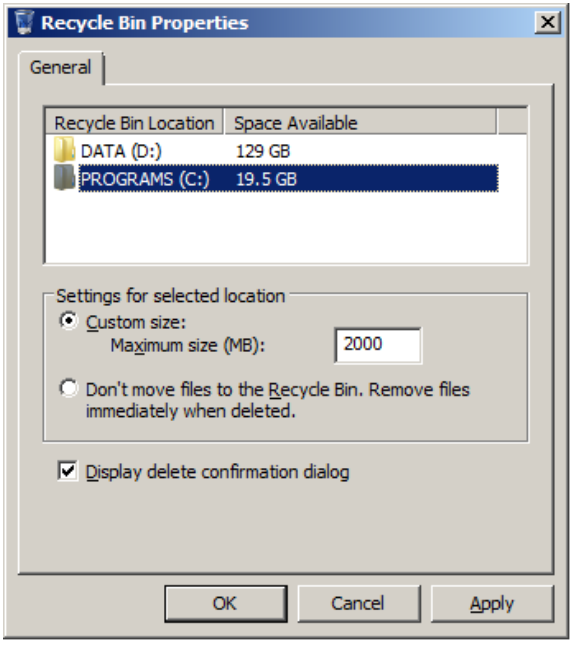


Figure 14 **Local Group Policy Editor** Dialog

[OPTIONAL] **16 Recycle Bin Properties**: (right-click on desktop icon **Recycle Bin**) Select the following options:

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

Repeat these steps for all drives of your computer.



Configuring Windows 8.1

Some changes within this document are mandatory for OpenLAB CDS to work properly on a Windows 8.1 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.

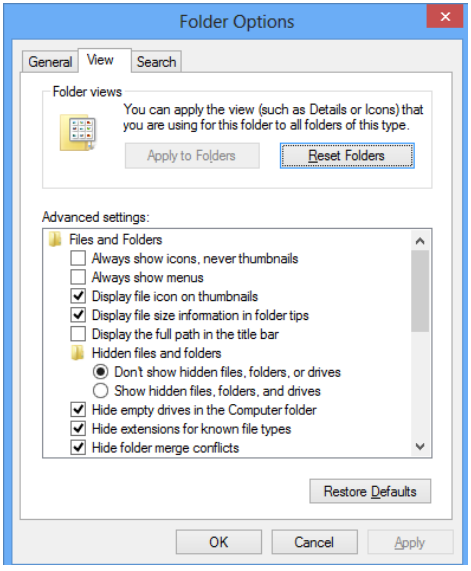
NOTE

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

[MUST] **1** Folder Options (Go to **Start > Control Panel > Folder Options**[1]):

a **View** tab:

- Clear **Hide extensions for known file types**.
- Enable **Display the full path in the title bar**.
- Clear **Use Sharing Wizard**.

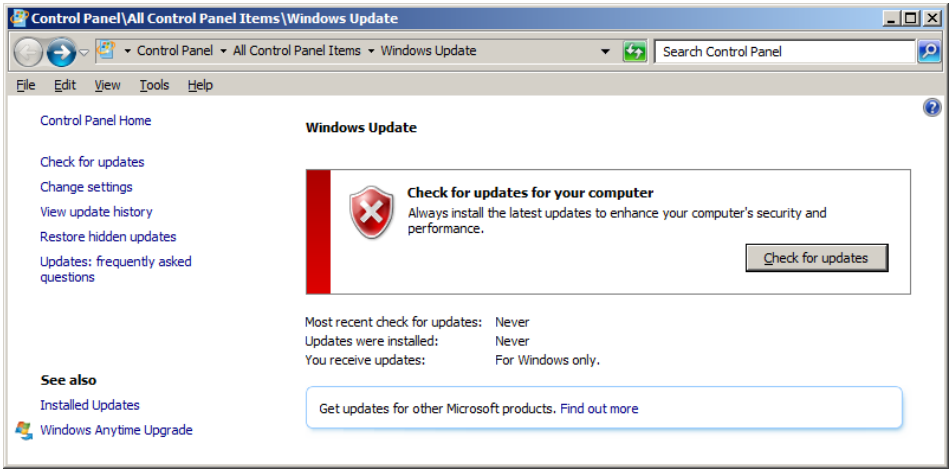


b Click **Apply to Folders** to apply these settings to all folders.

[1] View the items by icon to see a list of all items.

[MUST] **2** Check for updates and apply all critical security patches: (Go to **Control Panel > Windows Update**)[1]

Click **Check for updates**.



[MUST] **3** Go to **Start > Control Panel > System and Security**, and register Windows 8.1 with Microsoft.

[1] View the items by icon to see a list of all items.

[MUST] **4** Settings for updates (Go to **Start > Control Panel > Windows Update**):

Click **Change settings**. In the **Important updates** section, select **Never check for updates**. Clear the other update options.

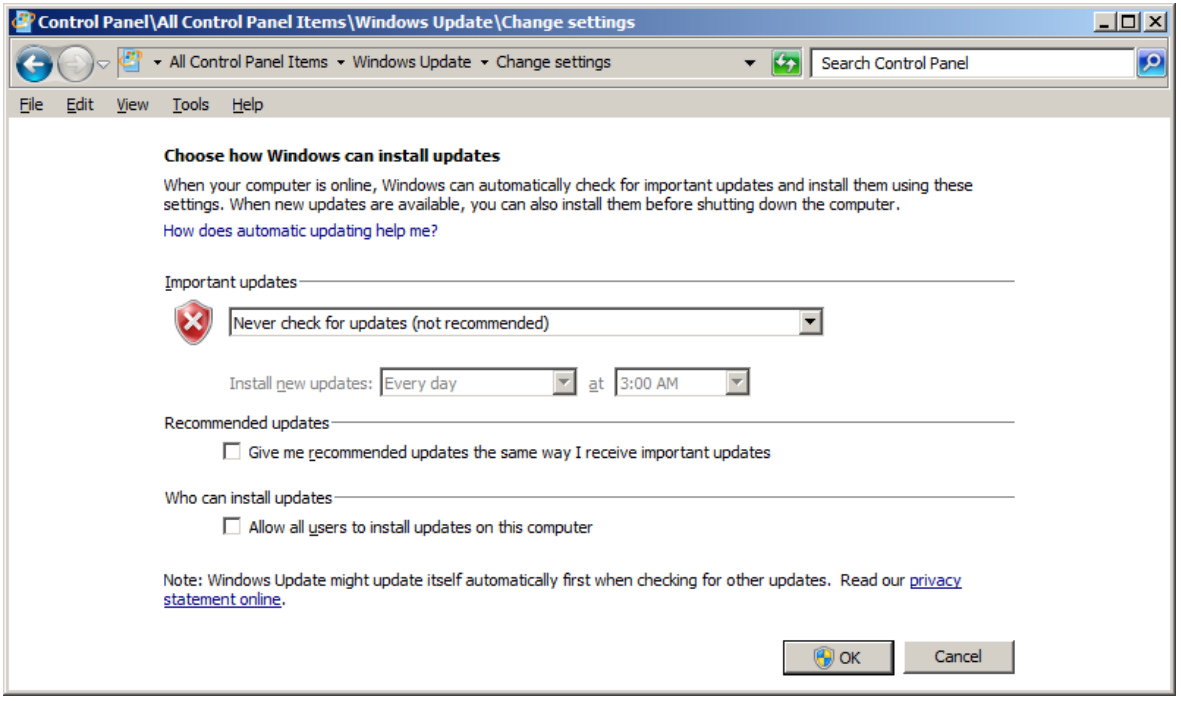


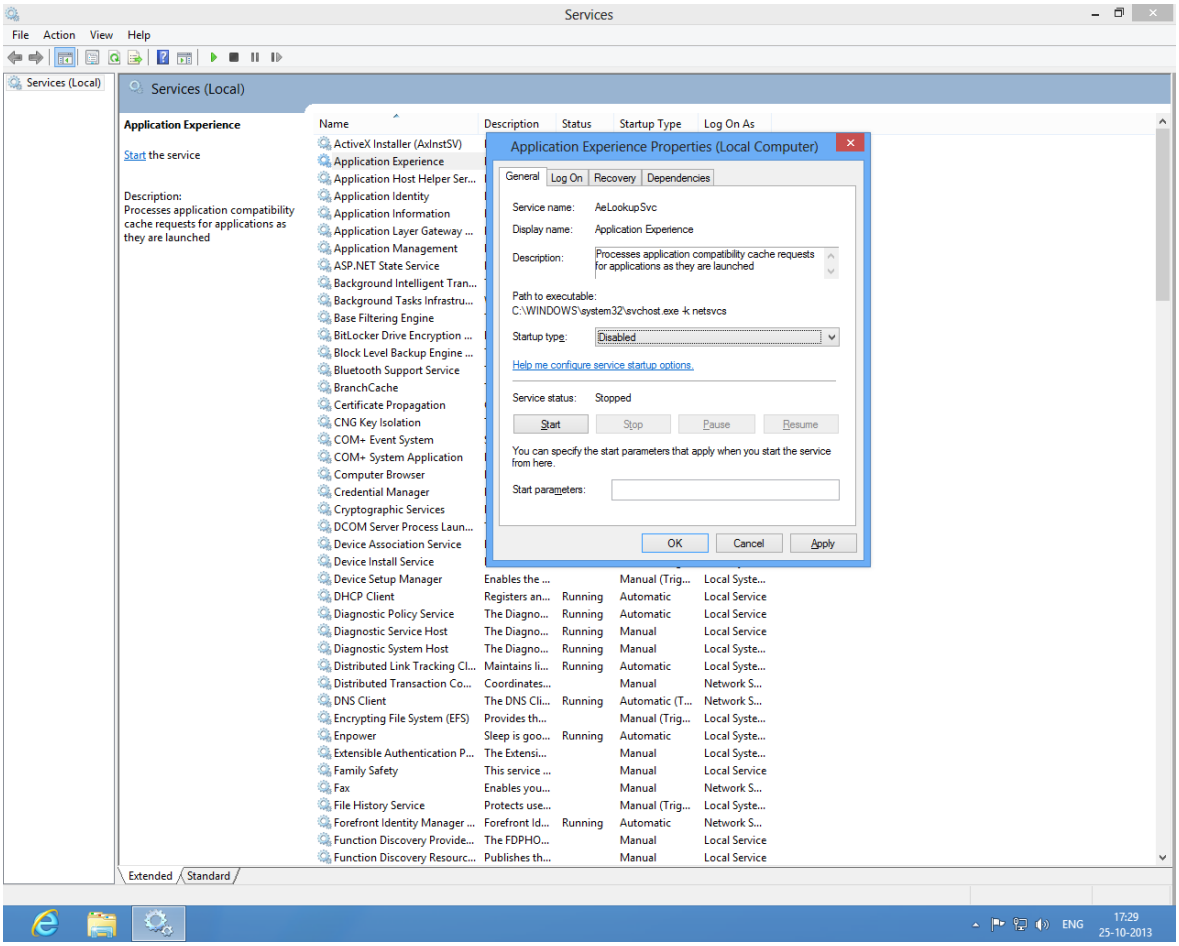
Figure 15 Windows Update Settings

NOTE This setting is important to avoid data loss due to system reboot during data acquisition.

[MUST] **5** Disable the **Application Experience** service (Go to **Start > Control Panel > Administrative Tools**[1]):

a Double-click **Services**.

b Right-click the **Application Experience** service. In the context menu select **Properties**. Set the startup type to **Disabled**. Confirm by clicking **OK**.



[1] View the items by icon to see a list of all items.

[MUST] **6** Disable indexing (Go to **Start > Control Panel > Indexing Options**[1]):

Click the **Modify** button. Clear all drives and locations. Click **OK**. Click **Close**.

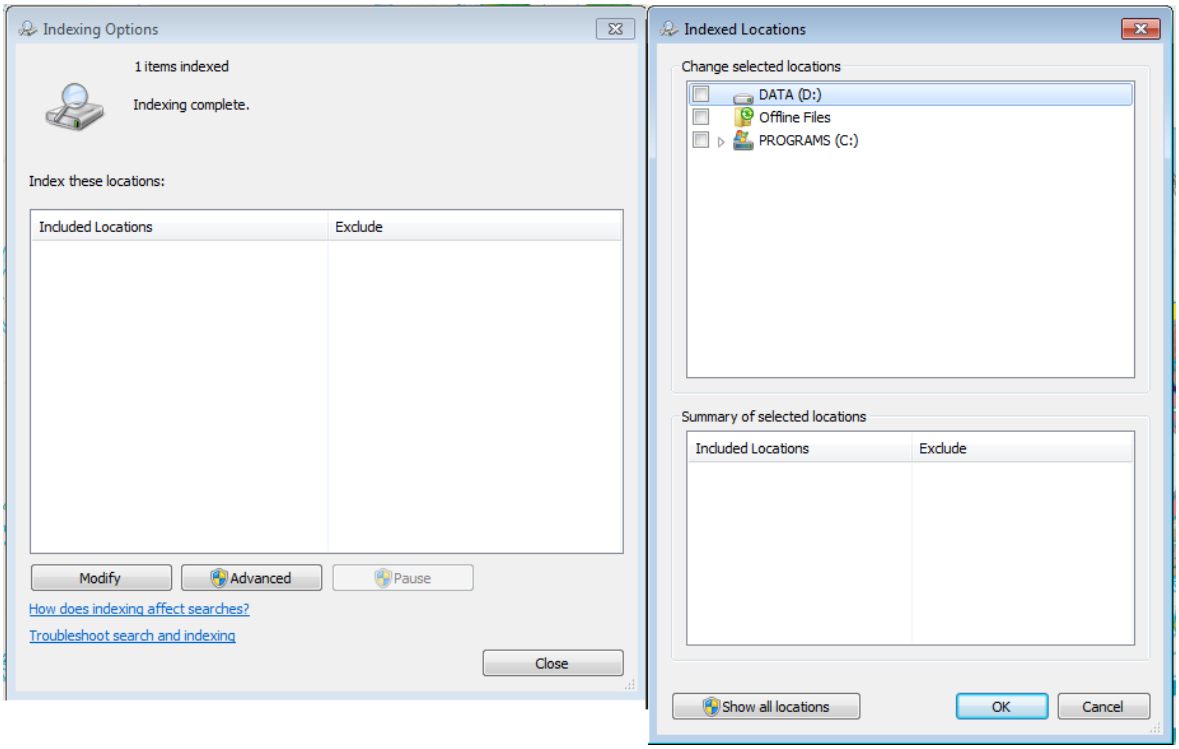
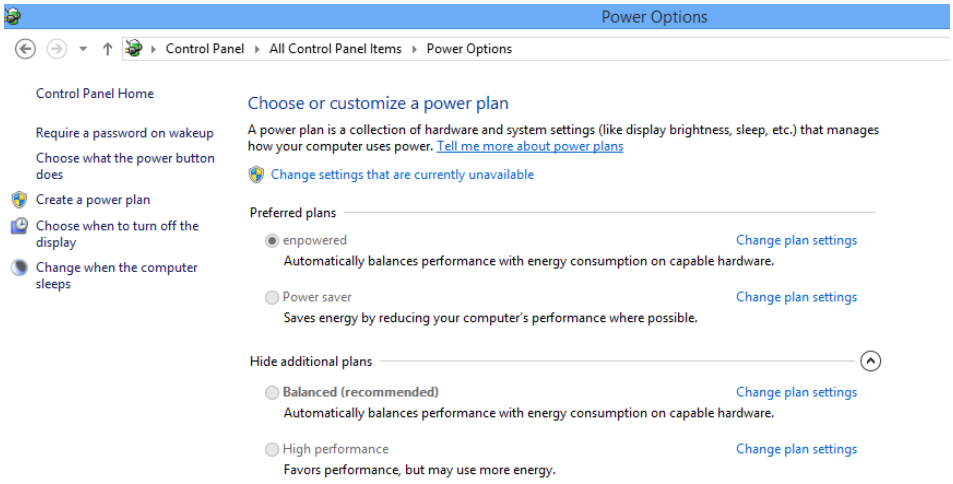


Figure 16 Disable file indexing

[1] View the items by icon to see a list of all items.

[MUST] **7** Adjust Power Options (Go to **Start > Control Panel > Power Options**[1]):

a Click **Show Additional Plans**.

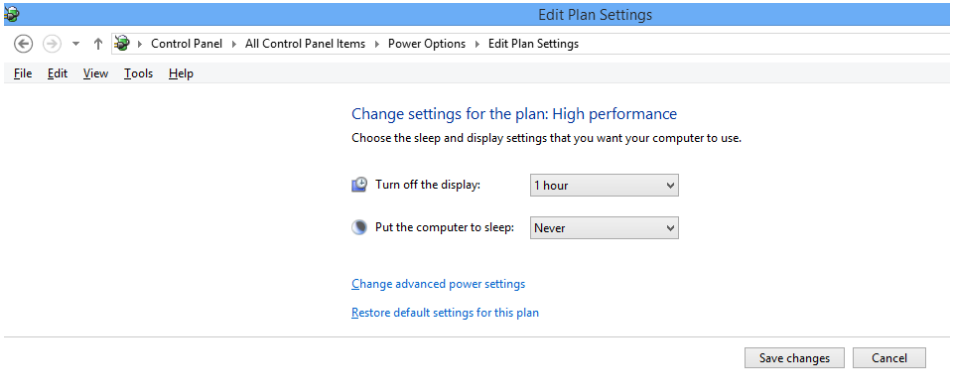


b As preferred plan select **High performance**

c Click **Change Plan settings** (see Figure 7 on page 23)

d Click **Change settings that are currently unavailable**.

e Set the option **Put the computer to sleep** to **Never**.

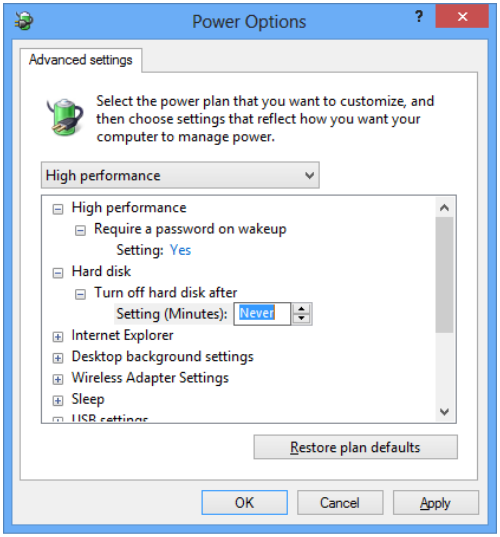


[1] View the items by icon to see a list of all items.

f Click **Change advanced power settings**.

g Open the nodes for **Hard disk > Turn off hard disk after**.

h Click **Change settings that are currently unavailable** and set the Minutes to 0 (=Never). Click **OK**.



i Save the changes.

[MUST] **8** Local Security Policy: (Go to **Start > Control Panel > Administrative Tools**)[1]:

a Go to **Local Security Policy**.

b Navigate to **Security Settings > Local Policies > Security Options**

c Double-click the following policy listed in the right hand panel: **Network Access: Sharing and security model for local accounts**

d In the displayed dialog select the following item from the drop-down list: **Classic - local users authenticate as themselves**

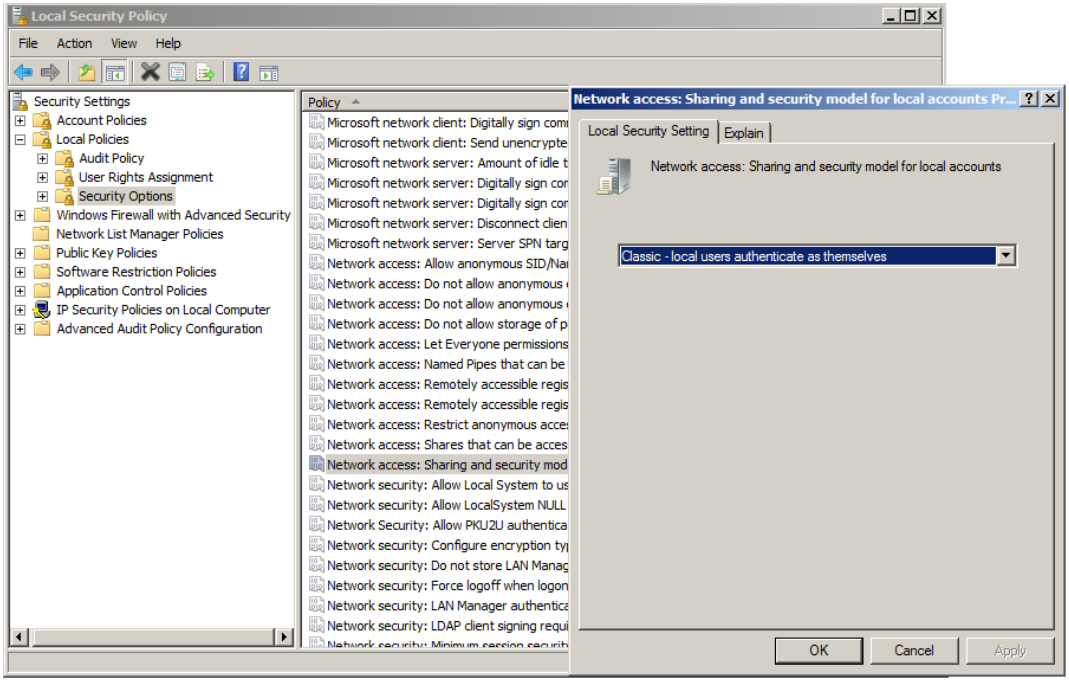


Figure 17 **Local Security Policy** Dialog: Network

[1] View the items by icon to see a list of all items.

[MUST] **9** Region and Language (Go to **Start > Control Panel > Region and Language**[1]).

a Regional options should be set to **English (United States)** from the drop-down list.

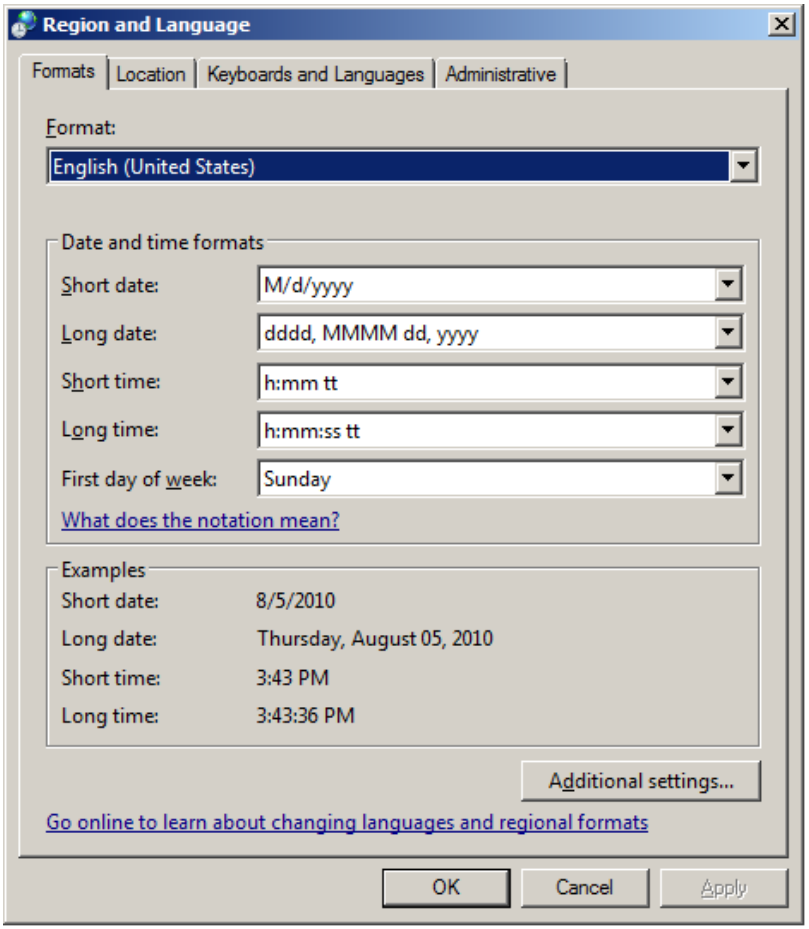


Figure 18 **Regional and Language Options** Dialog

[1] View the items by icon to see a list of all items.

b If regional format other than **English (United States)** is used, the following settings are mandatory. The settings can be defined by clicking on the **Additional settings...** button:

- Decimal symbol = . (point)
- Digit grouping symbol = , (comma)
- List separator =, (comma)

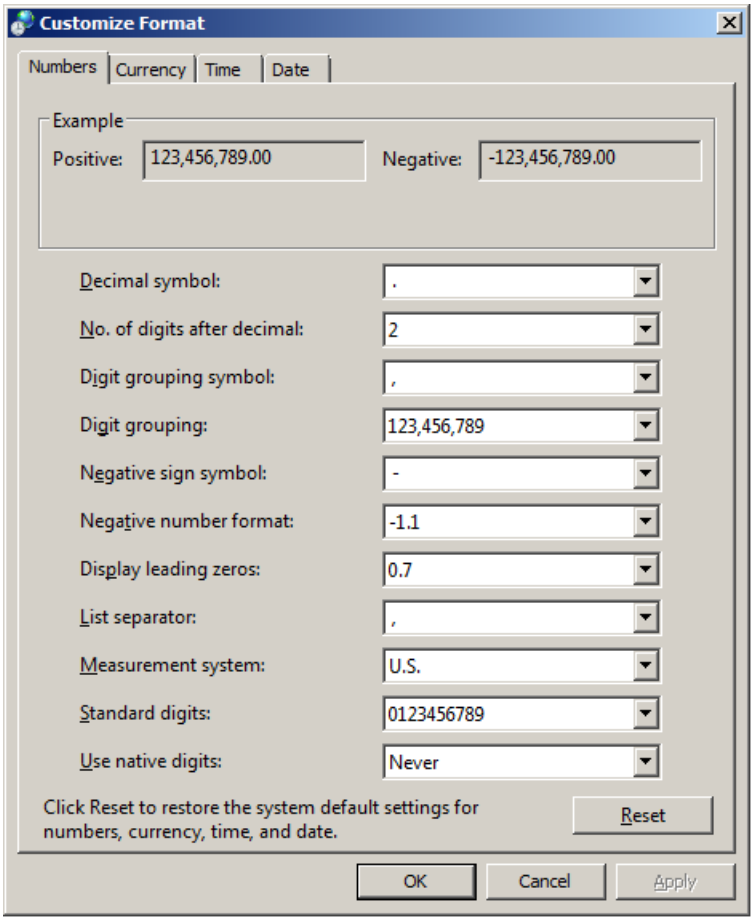


Figure 19 **Customize Regional** Dialog

[OPTIONAL] **c** Language for non-Unicode programs: On the **Administrative** tab click **Change system locale...**. From the drop down list, select **English (United States)**

NOTE Do not change system locale if you are using an English, Japanese or Chinese Operating System.

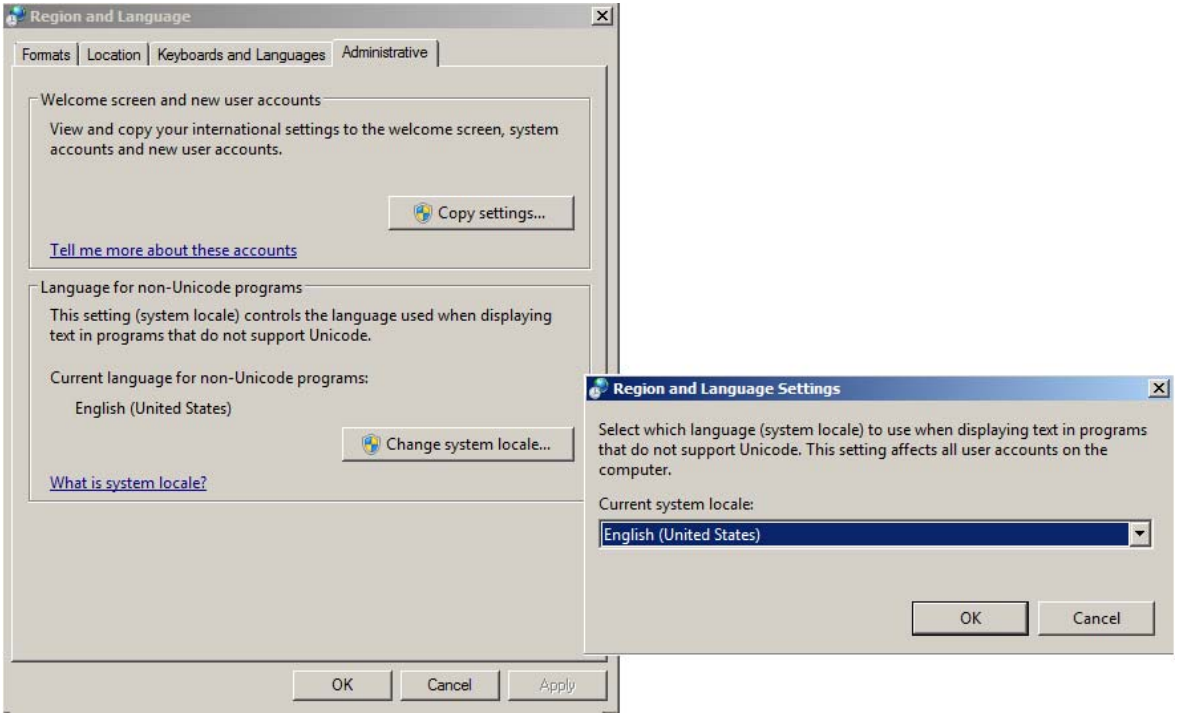


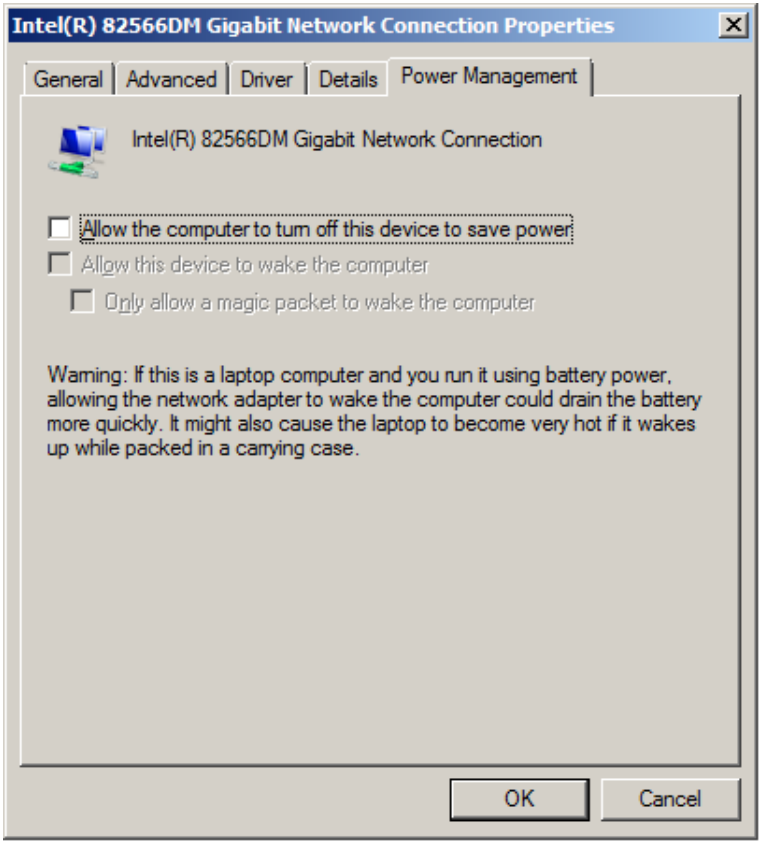
Figure 20 **Regional and Language Options** Dialog, **Administrative** Tab

[MUST] **10** Time Zone (Go to **Control Panel > Date and Time**[1]): Choose the time zone of your machine's location.

[MUST] **11** Power Management for network devices (Go to **Start > Control Panel > Network and Sharing Center**[1]):

a Select **Change adapter settings**. Right-click **Local Area Connection > Properties > Configure**.

b On the **Power Management** tab, clear all check boxes.



[1] View the items by icon to see a list of all items.

[PERFORMANCE] **12** Performance options (Go to **Start > Control Panel > Performance Information and Tools**[1]):

a Click **Adjust visual effects**.

b Select **Adjust for best performance**.

c Save the settings.

[PERFORMANCE] **13** System Properties (Go to **Start > Control Panel > System**[1]):

a Click **Advanced system settings**.

b On the **Advanced** tab > **Performance** click **Settings**.

- **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. If possible locate the paging file on a drive different from system and ChemStation installation drive.
- **Data Execution Prevention** tab: Select **Turn on DEP for essential Windows programs and services only**.

c **Advanced > Startup and Recovery > Settings** button:

- **System startup** section:

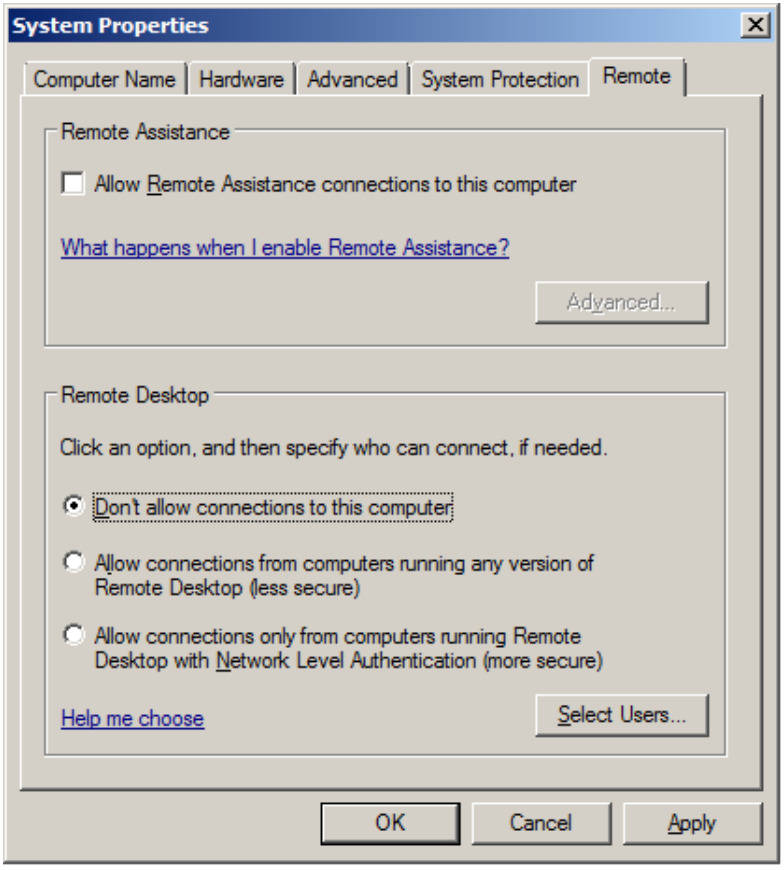
  Change both **Time to display ...** fields from **30** to **3** sec.
- **System failure** section:

  Select **Automatically restart**, in the **Write debugging information** section select **Kernel memory dump** from the drop-down list.

[1] View the items by icon to see a list of all items.

d **Remote** tab

- In the **Remote Assistance** section, clear the check box **Allow Remote Assistance connections to this computer**.
- In the **Remote Desktop** section, select **Don't allow connections to this computer**.



[OPTIONAL] **14** Welcome Center (**Start > search for 'gpedit.msc'**):

a Navigate to **Local Computer Policy > Computer Configuration > Administrative Templates > System > Logon**.

b Select **Don't display the Getting Started welcome screen at logon**.

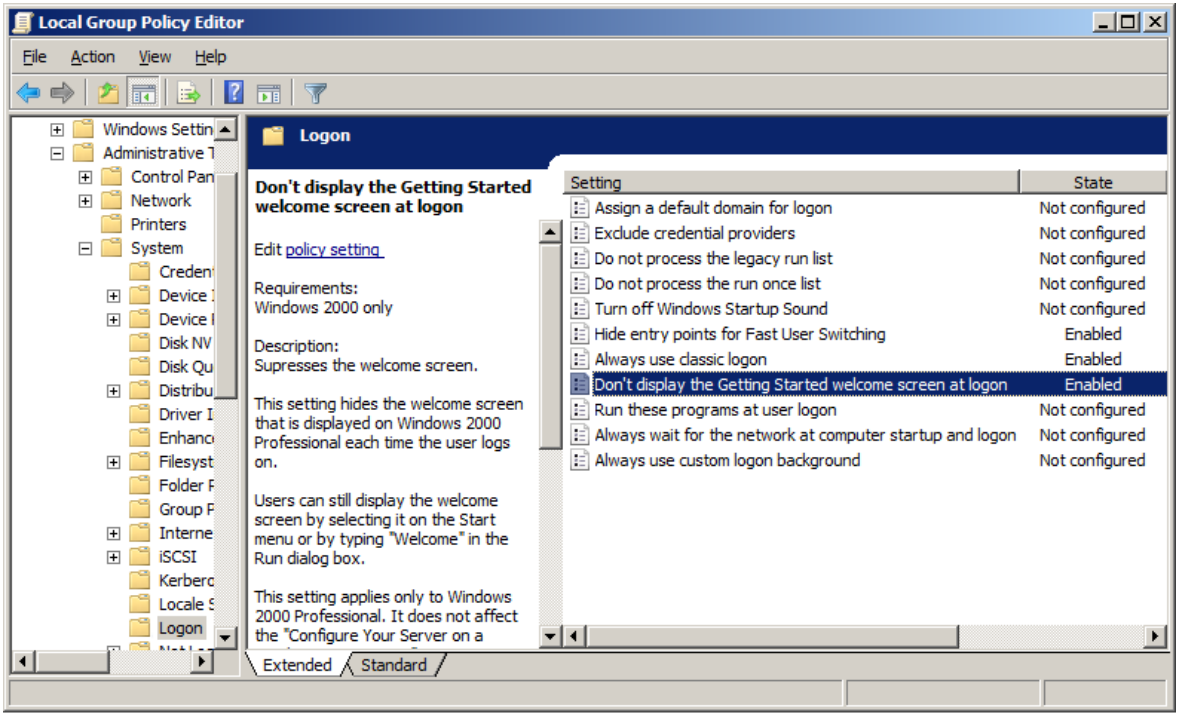
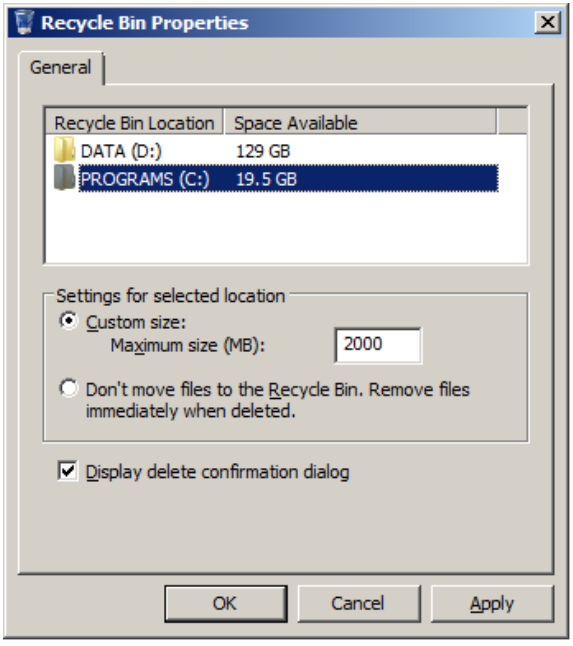


Figure 21 **Local Group Policy Editor** Dialog

[OPTIONAL] **15 Recycle Bin Properties**: (right-click on desktop icon **Recycle Bin**) Select the following options:

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

Repeat these steps for all drives of your computer.



Configuring the Antivirus Program

Be sure to open the firewall ports listed in the Firewall Settings in the *OpenLAB CDS Network Requirements* guide.

NOTE Some virus scanners might cause issues when used with OpenLAB CDS. OpenLAB CDS was tested to run with Symantec's Endpoint Protection.

In order for the OpenLAB software to function correctly, you should configure any antivirus real time protection software with the following list of folder exclusions. These folders should only be scanned while the instruments are idle and no data acquisition takes place. Refer to your specific antivirus software documentation on how to configure folder exclusions.

NOTE The following sections contain general information and also specific details only applicable for OpenLAB CDS ChemStation Edition (e.g. the chem32 folder).

- C:\chem32, D:\chem32, etc.
- C:\programdata\agilent
- %programfiles%\agilent
- %programfiles(x86)%\agilent
- %programfiles%\common files\agilent
- %programfiles(x86)%\common files\agilent
- %programfiles%\agilent technologies
- %programfiles(x86)%\agilent technologies
- %programfiles%\common files\agilent technologies
- %programfiles(x86)%\common files\agilent technologies
- %programfiles%\common files\agilent shared
- %programfiles(x86)%\common files\agilent shared

Process	Directory	File name
ECM upload/download (if applicable)	%temp% for Windows users (=Users' temp directory)	*.ssizip
Standard reports	%temp% for Windows users (=Users' temp directory) /chem32/core	~p3d*.tmp ~job*.tmp Hpspl00.que
CDS intelligent reports	%LOCALAPPDATA% %APPDATA% %PROGRAMDATA%	Files on: • Agilent • Agilent Technologies • Agilent_Technologies,_Inc • IsolatedStorage • Temp e.g.: C:\Users\xxxxx\ AppData\Local\ Agilent Technologies\Intelligent Reporting\ RawDataFileCache

If your antivirus software includes program or executable deny execution settings, ensure that the following program files are not denied execution. You can use the windows search feature to find the specific folder each program file is located in.

- agilentiolibrariesservice.exe
- chemmain.exe
- apg_top.exe
- iprocsvr.exe
- iproc8491.exe
- msinsctl.exe
- httpdmsd.exe
- epcsetup.exe

NOTE Depending on your specific configuration, some of the listed folders or files may not exist on your system.

Editing the Security Settings for LC/MS and CE/MS Systems

The following sections summarize all security settings required for LC/MS and CE/MS. All other security settings are set automatically by the OpenLAB CDS Master Installer.

OpenLAB CDS needs to be installed using an operating system Administrator user account. To run the system with the configured options outlined in this document, all users and power users should use the same settings.

Firewall

On PCs controlling LC/MS or CE/MS systems, it is recommended to turn off the firewall.

Advanced Network Settings

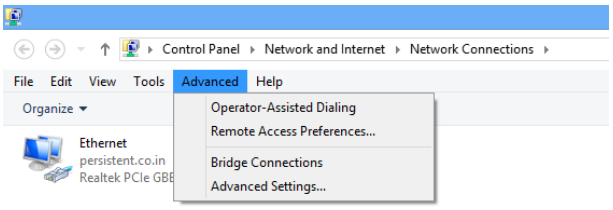
The communication with the MS is sensitive to the order NICs in the **Adapters and Bindings** dialog.

1 Go to **Start > Control Panel**[1].

Go to **Network and Sharing Center**.

2 Click **Change adapter settings**.

3 Press **ALT** to bring up the menu.



[1] View the items by icon to see a list of all items.

4 Select **Advanced Settings...**.

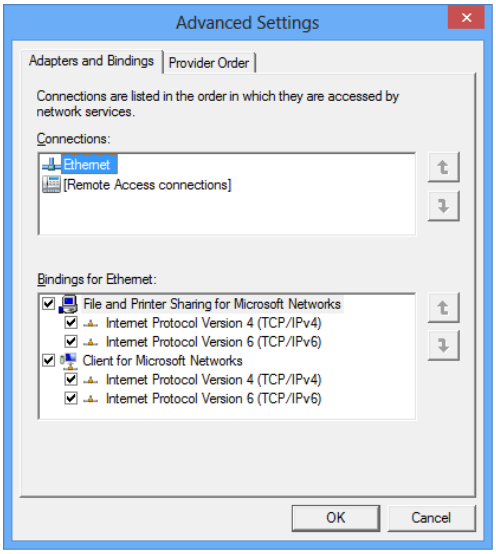


Figure 22 **Advanced Settings** dialog, **Adapters and Bindings** tab

5 In the **Adapters and Bindings** tab (see Figure 22 on page 55):

a Make sure that the Local Area Connection pertaining to the **LC/MS** or **CE/MS** NIC is the first item in the list of connections

NOTE

The names of your LAN cards may differ from those shown in the example. You can tell which LAN card is the Instrument LAN by comparing the IP addresses assigned to the LAN cards.

The LAN pertaining to the company intranet > internet will typically have an IP address assigned by organizations Static IP policy or by a DHCP server. Check with your network administrator.

3
Install the Software

Step 1: Run the Application 58
Step 2: Copy DVDs to a Centralized Folder for Installation (Optional) 59
Step 3: Run the System Configuration Checker 60
Step 4: Prepare Third Party Tools 62
Install Adobe PDF Reader 62
Step 5: Run the OpenLAB CDS Installation Wizard 63
License Agreement Screen 63
Installation Folder Screen 64
Installation Type Screens 64
Summary Screen 67
Post Installation Tasks 69
Enable Non-Http Activation 69
Install OpenLAB Data Analysis as Add-on or Stand-alone Application 70
What to do Next 73
OpenLAB Shared Services Configuration 73

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 or standalone application.

Step 1: Run the Application

To run the application for the first time on your workstation:

1. For the direct DVD approach, insert the OpenLAB CDS Installation disk (Disk1). The **Planning** screen starts automatically after inserting the DVD.

   If the installer is not launched automatically, run Autorun.inf to open this 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, copy all DVDs to a centralized folder as described in Step 2 below.

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.

Step 3: Run the System Configuration Checker

1 At the **Planning** screen, select **System Configuration Checker**.

2 The **Site Preparation Tool** opens. Select the correct edition and setup of the OpenLAB CDS software you are installing from the drop-down list:

- **OpenLAB CDS ChemStation Edition C.01.XX**
- **OpenLAB CDS EZChrom Edition A.04.XX**
- **OpenLAB Data Analysis A.01.XX**

3 Select **OK**.

4 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.

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

6 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.

NOTE If the firewall is controlled by security software, the Site Preparation Tool cannot read the firewall settings because of security limitations. As a consequence, the Site Preparation Tool will display **Status "Fail"** for the firewall settings.

In this case, make sure the firewall is disabled and enter the status in the Site Preparation Tool report manually.

7 To view details of the report, select the appropriate link: **System Hardware Details**, **Operating System and Software Details**, or **Manual Verification Required**.

8 To save the report, select the **Save** icon at the top left of the screen.

9 E-mail the saved report to your Agilent Service Representative for evaluation, and for validation of your personal computer for Agilent Software Systems Installs.

Step 4: Prepare Third Party Tools

The **OpenLAB CDS Master Installer** offers a list of tools that can be installed directly from the **Installation** screen.

Install Adobe PDF Reader

You need *version 11* of Adobe PDF Reader to ...

- view site prep or administrative reports (such as system reports)
- use the **Report Viewer** feature (ChemStation Edition only)
- view Software Verification Reports

If Adobe PDF Reader is not installed on your system, or if an older version is installed:

1 Select **Third Party Tools** and then **Adobe PDF Reader**.

   a The Adobe Reader setup screen appears. Click **Install** to continue.

   b If Adobe Reader was successfully installed, click **Finish** to exist the setup screen.

   Alternatively, you can install Adobe Reader version 11 from the OpenLAB CDS installation DVDs. It is available on Disk1/Tools/Adobe Reader in four language versions (English, Japanese, Chinese and Portuguese).

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

NOTE If you install Adobe PDF Reader directly from the DVDs: When OpenLAB CDS users open a PDF file for the first time, they will be asked to confirm the Adobe Reader license agreement. This dialog will appear for each newly configured instrument.

Step 5: Run the OpenLAB CDS Installation Wizard

At this point, you'll either be running your installation using the DVDs directly, or from a centralized location (USB drive or share 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. Select **OpenLAB CDS**.
3. 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.
4. Select **I agree with the terms and conditions**. You cannot proceed with installation unless you agree to these terms.
5. 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 verification as part of this installation, select **Run Software Verification**. The Software Verification Tool provides documentary evidence that your system has been built and installed correctly, and that all design specifications have been met. You can run the Software Verification Tool at a later time if you prefer (see "Run a Software Verification after Software Installation" on page 88).

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

Installation Type Screens

1 Under **Installation Type**, select **Standalone Workstation.**

2 Select **Next** to proceed to the **CDS Edition** screen. Select the edition of your data system.

3 Select **Next** to proceed to the installation screens specific to your edition.

4 Choose the CDS edition you wish to install.

a If you have chosen **OpenLAB CDS ChemStation Edition** as your edition:

- Under **Installation folder**, type the folder name or browse to the directory where you want to store the application components. Folder names must be entered without spaces.

NOTE *ChemStation* may not be installed into the same directory as the *OpenLAB CDS Shared Server* Core.

- 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 "Install OpenLAB Data Analysis as Add-on or Stand-alone Application" on page 70).

NOTE OpenLAB Data Analysis is not supported for installations with ECM or Data Store as central data storage.

- 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.

b If you have chosen **OpenLAB CDS EZChrom Edition** as your edition:

- 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 "Install OpenLAB Data Analysis as Add-on or Stand-alone Application" on page 70).

NOTE OpenLAB Data Analysis is not supported for installations with ECM or Data Store as central data storage.

- Confirm the installation of the print server.

5 Select **Next** to proceed to the **Additional items** screen.

6 If you have not selected the **Install OpenLAB Data Analysis** check box, you have different data storage options. If you want to use *OpenLAB ECM* with your data system:

   a Check the **ECM Server** option button. Type in a server name and press the **Test Connection...** button.

   b The system will perform a connectivity check to verify access to a functional OpenLAB ECM server. If the connectivity check is successful, the message **Connection succeeded** appears. Click **OK** to continue. If the connectivity test fails, you will be returned to the **Additional items** screen. From here you can select **Next** to run the test again. If the test is still unsuccessful:

      - Enter a new OpenLAB ECM server and try another test.
      - Call internal support for assistance if you cannot connect to an OpenLAB ECM server.
      - You can uncheck the box and run the installation without OpenLAB ECM at this time. You will be able to add it to your data system at a later time, when a server is determined.

NOTE The storage type **Data Store Server** is only available for Networked Workstation or higher.

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

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 80).

2 Select **Start** to begin installation.

If OpenLAB CDS has been installed and uninstalled before, a warning will be shown that the system detected existing OpenLAB Shared Services database files. You can either:

- Click **Yes** to create new database files.
- Click **No** to reuse existing database files. At the end of the installation, a warning will be shown about the application being already registered; you can ignore this warning.

3 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 PDF Reader must be installed (see "Install Adobe PDF Reader" on page 62).

- Decline to view the system report and postpone.

4 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 59 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.

5 If an installation verification was completed as part of this installation, review the *Software Verification Report*. If the report indicates failure, verify the computer requirements and reinstall the data system. Do not use the system until the Software Verification Report gives a 'pass' result.

6 Click **Next** to proceed to the **Installed Features** screen.

7 Click **Finish** to close the installation wizard.

Post Installation Tasks

Enable Non-Http Activation

To make sure that all the net.tcp components are properly initialized, non-http activation must be enabled.

1 Select **Start > Control Panel > Programs > Programs and Features** and click on **Turn Windows features on or off**.

The **Windows Features** window opens.

2 Expand the **Microsoft .NET Framework 3.5.1** node and select the **Windows Communication Foundation Non-HTTP Activation** check box.

3 Then click **OK**.

Install OpenLAB Data Analysis as Add-on or Stand-alone Application

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

NOTE OpenLAB Data Analysis is not supported for installations with ECM or Data Store as central data storage.

1. Run the Master Installer.
2. From the **Master Installer** screen, select **Installation**.
3. Select **OpenLAB Data Analysis**.
4. 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.
5. Select **I agree with the terms and conditions**. You cannot proceed with installation unless you agree to these terms.
6. Click **Next** to proceed to the **Installation Folder** screen.
7. If you already have installed OpenLAB CDS on your PC, OpenLAB Data Analysis will be installed as an add-on.
   a. To run an installation verification as part of this installation, select **Run Software Verification**. The Software Verification Tool provides documentary evidence that your system has been built and installed correctly. You can run the Software Verification Tool at a later time if you prefer.
   b. Click **Next** to proceed to the **OpenLAB Shared Services Settings for Registration** screen.
   c. Enter the server name and authentication provider.
   d. Click **Test Connection ...** to run a connectivity check.

      The system will display a **Connection succeeded** message if the check is successful.
   e. Continue with step 10.

8 If you have not installed OpenLAB CDS on your PC, OpenLAB Data Analysis will be installed as a stand-alone application.

a You can use the default folder, type a new folder name or browse to the directory where you want to install OpenLAB Data Analysis.

b To run an installation verification as part of this installation, select **Run Software Verification**. The Software Verification Tool provides documentary evidence that your system has been built and installed correctly. You can run the Software Verification Tool at a later time if you prefer.

c Click **Next**.

d Select the required installation type.

NOTE An installation on a networked workstation is only supported in combination with OpenLAB CDS EZChrom Edition. For this type of installation, only the Enterprise path without Advanced File Security (AFS) is supported as storage.

9 If you have selected **Networked Workstation**:

a Click **Next**.

b In the **OpenLAB Shared Services Settings for Registration** screen complete the **Server name** field.

c Select the authentication provider as set in the OpenLAB Control Panel.

d 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.

e Select **Next**. The system will perform a connectivity check for the server.

If the connectivity test fails, verify that the server name was entered correctly, without spaces, and select **Next** to run the test again. If the test is still unsuccessful, you can:

- Enter a new server and try another test.
- Call internal support for assistance if you cannot connect to a server.

When a connectivity test has run successfully, the system will proceed to the **Additional items** screen.

f In the **Additional Items** screen, **EZChrom Enterprise Path** is selected.

10 Click **Next** to proceed to the **Summary** screen.

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*.

OpenLAB Shared Services Configuration

Refer to the *online help* for directions on how to do the following tasks.

Configure Security and Storage

1. Launch the **OpenLAB Control Panel** and navigate to **Administration**
2. Select **System Configuration** in the Navigation Window then click **Edit System Configuration**.
3. Configure the *Authentication Provider* and *Network Storage Location* (EZChrom only) to desired settings. When complete, the Control Panel will restart.
4. Log back into the Control Panel with OpenLAB System Administrator credentials.

Configure Users/Groups/Roles

1 Launch the **OpenLAB Control Panel** and navigate to **Administration**

2 Select **Users** in the Navigation Window. Import/Create Users that will have access to the OpenLAB CDS Workstation.

3 Select **Groups** in the Navigation Window. Import or Create Groups that will have access to the OpenLAB CDS Workstation.

4 Select **Roles** in the Navigation Window. Create/edit Roles and assign **Users** or **Groups** to those Roles.

Configure License Server

1 Select **Licenses** in the navigation window. Add a valid license file or server to activate the OpenLAB CDS Workstation Software.

Configure Instruments

1 Launch the OpenLAB Control Panel and navigate to **Instruments**.

2 Create and configure an Instrument.

4
Uninstall the Software

About Uninstallation 76
Run the Master Installer 77
Run the OpenLAB CDS Uninstallation Wizard 78

This chapter contains information on the uninstallation by using the OpenLAB CDS Uninstallation Wizard. It also describes post uninstallation tasks that are essential if you plan to reinstall ChemStation on the same computer.

About Uninstallation

NOTE If the Master Installer was not used for installation, any manually installed headspace, PAL, or third party drivers must be uninstalled using the Windows Control Panel before the OpenLAB CDS can be uninstalled.

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

For your convenience, the 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.

OpenLAB Data Analysis can be uninstalled separately (see *OpenLAB Data Analysis - Getting Started*).

NOTE Do not use the Windows uninstallation tool for uninstalling OpenLAB CDS.

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.

Run the OpenLAB CDS Uninstallation Wizard

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 the **Uninstall Software Verification** check box.

   Note: Software Verification Tool needs to be uninstalled if you wish to re-install OpenLAB CDS at a later time
4. In the **Summary** screen under **Uninstallation of OpenLAB CDS Components**, there is a list of the components you want to uninstall.
5. Select **Start** to start the uninstallation.

   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.
6. When the uninstallation has finished, click **Finish** to close the uninstallation wizard.

5
Scripted Installation

About Scripted Installation 80
Export as XML 81
Parameters and Return Codes 82
Installation, Upgrade, or Repair 85
Uninstallation 86
Logging and Tracing 86

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

- *-q*

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

- *-reboot*

  Reboot automatically after successful installation, repair, upgrade, or uninstallation. The system will reboot if the return code is either 0 or 17.

  A warning message will be shown in the command prompt 10 min before the system is rebooted. In addition, a Windows dialog opens 2 min before reboot.

- *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
Software Verification Tool	IQT
Microsoft SQL Server	SQLServer
IO Library	IOLibraries

- *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 81). 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.

Return Codes

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

Table 3 Return codes

Error/Return Code	Return value
Unknown (default)	-1
Success	0
CoreComponentFailure	1
NonCoreComponentFailure	2
TestConnectivityFailure	3
ExpectedWindowsInstallerNotInstalled (WI 4.5 missing)	4
ParameterMismatchError	5
CannotProceedWithFreshInstallation	6
CannotProceedWithUpgrade	7
CannotProceedWithUninstallation	8
CannotProceedWithRepair	9
CannotProceedWithReRegistration	10
ReRegistrationNotSupported	11
IncompleteTopologyFound	12

Table 3 Return codes

Error/Return Code	Return value
InvalidUNCPath	13
MissingInstallable	14
NotAStrongPassword	15
DowngradeNotSupported	16
RestartRequired	17
RegistryCleanupError	18
InvalidInputXML	19
InvalidMode	20
SitePrepFailure	21
DatabaseConnectionFailed	22
DotNetFramework4NotInstalled	23
OLSSConnectionFailed	24
PDFReaderNotInstalled	25
AllComponentsInstallationFailed	26
SomeComponentsInstallationFailed	27
Failed	28
AddOnListEmpty	29
EULANotAccepted	30
ScriptedNotSupported	31

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 59). 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 -reboot

   For example:

   Agilent.OpenLAB.CDSInstaller.exe -i ConfigurationXML="c:\settings\ConfigurationXML.xml" -q -reboot

   With this command, you start the installation wizard without a user interface, and automatically reboot the system.

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 -reboot

   For Example:

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

   With the KeepComponents parameter, you can specify a list of shared components that you want to keep on the system (see "Parameters" on page 82). With the command given in the example, the OpenLAB CDS components Software Verification Tool (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

6
Optional Procedures

Run a Software Verification after Software Installation 88
Upgrade OpenLAB CDS Workstation to Latest Version 89
License Upgrade 89
Upgrade a Workstation 90
Delete the Configuration Files After an Upgrade of a ChemStation 90

This chapter includes information on how to use the Software Verification Tool, and how to upgrade your OpenLAB CDS Workstation to a higher version.

Run a Software Verification after Software Installation

The Software Verification Tool 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 > Software Verification Tool**.

2 Select **Qualify**.

The system will run the application and generate a Software Verification Report.

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

Do not use the system until the Software Verification Report gives a 'pass' result.

Upgrade OpenLAB CDS Workstation to Latest Version

License Upgrade

For OpenLAB CDS A.02.01, Agilent is increasing the license version. This means that you will need to get a new license to get a new version of the software.

If you are under SMA subscription, proceed as follows to upgrade your licenses:

1 In SubscribeNet, click the **Upgrade** button for each host.

This upgrades the license file to license versions 1.6 for OpenLAB CDS ChemStation Edition C.01.06 and 4.6 for OpenLAB CDS EZChrom Edition A.04.06.

2 Put the new license file on your system.

If you have multiple single Workstations, repeat this step for each individual workstation.

If you use a Networked System, you only need to provide the license file once, as licenses are managed on the central OpenLAB Shared Services server.

3 Download the OpenLAB CDS A.02.01 software from SubscribeNet and install it.

Upgrade a Workstation

Using the Master Installer, you can easily upgrade your OpenLAB CDS Workstation to a higher version.

To upgrade your workstation to OpenLAB CDS A.02.01, perform the following steps:

1. From the Master Installer **Planning** screen, switch to the **Installation** screen.
2. Select **OpenLAB CDS Installation**.

   If OpenLAB CDS is already installed, this automatically opens the **OpenLAB CDS Upgrade Wizard**.

   In the **Summary** screen of the Upgrade Wizard, the components for the upgrade are listed.
3. Select **Upgrading** to start the upgrade.

   If an error occurs during the upgrade, an error message appears.
4. After the upgrade is finished, select **Finish** to close the **OpenLAB CDS Upgrade Wizard**.

Delete the Configuration Files After an Upgrade of a ChemStation

After an upgrade of a ChemStation, configuration files for every instrument should be deleted.

1. Open the Windows Explorer on the instrument controller (Stand-alone Workstation, Networked Workstation, or AIC).
2. Navigate to the ChemStation installation folder.

   By default, this folder is named `C:\Chem32`.
3. Make sure all online and offline ChemStation sessions are closed.
4. Go into each of the existing instrument folders (`Chem32\1\`, `Chem32\2\`, ...) and delete the files with the names *Config.reg* and *Conf_off.reg*.

   Do not delete any other files.

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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 individual workstations quickly and correctly.

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