Thank you for purchasing Agilent software.

Correct site preparation and evaluation is the key first step in assuring that the installation of your Agilent software product is successful and that your instruments and software systems operate reliably over an extended lifetime. The information provided in this document can be used as an information guide AND checklist that outlines the computing requirements for your site. It may also recommend tools where needed, that will help you get started.

Customer Responsibilities

Make sure your site meets the following specifications prior the installation date.

- Your site meets the software, hardware and networking specifications as outlined below
- Computing environment and the necessary space is made available
- The number and location of electrical outlets and network ports for your computer systems, peripherals and instruments are planned.
- Locate your sales order information such as software authorization codes, software licenses or software certificates.
- The necessary software media, disks etc. are available including upgrade or update disks
- A suitable backup solution is identified for your software.
- A system or network administrator is available as needed to connect to your intranet.
- Complete Final Check: Software Site Preparation Tool.

Please visit the following Agilent website to download the Software Installation Site Preparation Tool:


This easy-to-use tool verifies that your PC meets the necessary hardware and software pre-requisites before installing the Agilent software.

- For all networked installations: Run the Network Assessment Tool to determine if your network is ready for the OpenLAB CDS installation.

The Network Assessment Tool is a diagnostic program that can be run as a service on networked Windows computers. Agilent service personnel with the assistance of the customer run this program on computers used by OpenLAB CDS. Your Professional Services Engineer will send the Network Assessment Tool by e-mail with installation instructions. Once it is installed, the Professional Services Engineer will schedule a WebEx to run and review the assessment. Please see the Agilent Assessment Tool Data Sheet for further information.

If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.
Important Customer Information

- If you have questions or problems in providing anything described as Customer Responsibilities above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
- Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
- Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.
- If applicable, the Network Assessment Tool can be used to verify the network environment.

OpenLAB Shared Services Server Software Specifications

<table>
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<tr>
<th>Specification Description</th>
<th>Supported</th>
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| Operating System (OS)     | • Windows Server 2008 R2 with SP1 (64-bit), Standard or Enterprise  
                           | • Windows Server 2012 R2 (64-bit) Standard or Enterprise |
| The following localized versions of Windows operating systems may be used | • English  
                           | • Western European language versions (CDS software will always appear in English). Which language:__________________________  
                           | • Chinese (Non-localized instrument drivers are supported and will always appear in English)  
                           | • Japanese (Non-localized instrument drivers are supported and will always appear in English) |
| OS .NET & other Add-ins   | • .NET 4.5 SP1 (Installed by master installer launch if needed)  
                           | • .NET 3.51 must be enabled on systems running on Microsoft Windows 2012  
                           | • Windows Installer 4.5 (Installed automatically by master installer if needed) |
| Drives                    | NTFS Files system |
| Network                   | TCP/IP Protocol version 4 only; TCPv6 addressing is not supported by OpenLAB CDS, Client for Microsoft Networks, File and Printer Sharing for Microsoft Networks.  
                           | Domain controller hosting the domain connected to by networked system must have a Windows 2003 server operating system or newer. Windows 2000 and previous operating systems will not allow proper operation of a networked CDS system.  
                           | See OpenLAB CDS Network Requirements guide for detailed specifications |
| Privileges:               | During installation a domain user with Local Administrator permissions is required for installation and configuration of the Shared Services software. This allows the installer to grant appropriate windows firewall permissions on the correct network profile for successful system operation. |
OpenLAB CDS – Shared Services Server Hardware Specifications

For the OpenLAB Shared Services Server, Agilent recommends a dedicated server to avoid conflicts with other applications and optimize performance.

**Specification Description | Minimum**
---|---
Processor type & speed | 3 GHz Dual core
Memory | 4 GB (4096 MB)
 | 6 GB (64-bit)
Hard Disk Drive | 160 GB Hard Drive
Optical Device Drive | DVD-ROM
Monitor/Graphics Adapter | 17” 1280x1024 (SXGA) - 19” 1440x900 recommended
Printing devices: | Local/Network Printer
Network Adapter | (2x) 100/1000 Mbit LAN Adapter
 | NIC Teaming is not supported!

Centralized File Storage:

OpenLAB CDS Networked and Distributed EZChrom Systems support a centralized shared location for the storage and retrieval of Laboratory Files (i.e. - Data, Methods, Sequences, Results, Report Templates, etc.).

The volume where the share will reside should be sized appropriately to support the files being generated from the Workstations and AIC’s.

**Typical File Sizes are as follows:**
- ~0.4 MB – for 60 min. of 2D Data
- ~150 MB – for 60 min. of 3D Data collecting UV Spectra @1nm. Resolution from 200-400 nm
Database:

Agilent OpenLAB CDS Shared Services Servers manage information using a database. When deploying networked system configurations this database may require additional installation in order to ensure acceptable performance of the system. **Service Logons must be a user that can access the Domain.**

**NOTE** For performance reasons, it is highly recommended that database files and any transaction logs are stored on physically exclusive hard drives.

**The following database software is supported for hosting shared services databases:**
- SQL Server 2012 SP2 Standard or Enterprise
- PostgreSQL 9.2.7
- Oracle 12c R1 Standard or Enterprise (12.1)
- Supported for upgrades with existing databases:
  - SQL Server 2008 R2 SP1 Express (32-bit)
  - SQL Server 2008 R2 Standard or Enterprise with SP2 (64-bit)
  - Oracle 11g R2 Standard or Enterprise (11.2.0.1)

**Database Scripting**
- The use of OpenLAB Shared Services scripted database installs for Oracle based systems is supported.
- The use of SQL scripting for SQL based systems is supported

**Licensing**
- Agilent OpenLAB supports the use of a central licensing server for the distribution and tracking of license entitlements. The following software is supported for hosting central licensing services:
  - Flex-Net Publisher v. 11.12
  - This software is installed with the installation of a shared services server. A single server may be used to host licenses for multiple systems in the same network domain.

**Important Customer Web Links**

**Agilent Customer Web Links**
- For additional information about our solutions, please visit our web site at www.chem.agilent.com
- How to get information on your product: Literature Library - www.agilent.com/chem/library
- Need to know more? - www.agilent.com/chem/education
- Need technical support, FAQs? - www.agilent.com/chem/techsupp
- Need supplies? - www.agilent.com/chem/supplies
Site Preparation Checklist

- OpenLAB CDS Software Updates - agilent.subscribenet.com

Other important web links
- Microsoft Hardware Compatibility Lists http://www.microsoft.com/whdc/hcl/default.mspx
- Links to specific O/S fixes, updates needed http://support.microsoft.com/