

## OpenLab CDS EZChrom A.04.09 Distributed System AIC's and CDS Clients – Site Preparation Checklist

Thank you for purchasing an Agilent instrument. To get you started and to assure a successful and timely installation of your Agilent **software**, please refer to this specification or set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an **information guide and checklist** prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

### Customer Responsibilities

**Make sure your site meets the following prior specifications before the installation date. For details, see specific sections within this checklist, including:**

- The computing environment and the necessary space is made available
- The number & location of electrical outlets for your computer systems and peripherals are planned
- That your site meets the software, hardware and networking specifications below
- Locate your sales order information, software authorization codes and/or software licenses/certificates
- The necessary software media, disks etc are available including upgrade/update disks
- That a suitable backup solution is identified for your software
- Availability of a system/network administrator as needed to connect to your intranet
- Please consult Other Requirements section below for other product-specific information.
- Complete Final Check: Software Site Preparation Tool. The Software Site Preparation Tool is available on the installation media under Disk1\Tools\SitePrepStartExe\ENU.  
This easy-to-use tool verifies that your PC meets the necessary hardware and software pre-requisites before installing the Agilent software.

**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.**

- 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 Agilent implementation manager will send the Network Assessment Tool by e-mail with installation instructions. Once it is installed, the Agilent implementation manager will schedule a WebEx to run and review the assessment. Please see the Agilent Assessment Tool Data Sheet for further information to determine if your network is ready for the OpenLab CDS installation.
- Review the document "OpenLab Chromatography Data System (CDS) EZChrom Edition Supported Instruments and Firmware Guide" It is located on of the installation media under Disk1\Docs\ENU (click "OpenLab CDS EZChrom Edition Instrument Compatibility" in the OpenLab CDS Master Installer > Resources). Additional firmware upgrades may be needed.
- For proper operation of a Distributed OpenLab CDS EZChrom Edition system a domain is required. The domain controllers must meet the Domain Requirements described under "Domain Requirements" in the "Network Requirements for OpenLab CDS EZChrom Edition" section of the "OpenLab CDS EZChrom Edition Requirements guide" under Disk1\Docs.

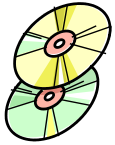
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- AIC's and CDS Clients must reside in the same or a trusted domain as the OpenLab Server or Shared Services Server (name resolution required for networked systems)
- A domain user with local Administrator permissions is required for the software installation and configuration and for the instrument service account.
- For AFS (Advanced File Security) a functional user with related domain group is required.

**Important Customer Information**

1. If you have questions or problems in providing anything described as a Customer Responsibility 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.
2. 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.
3. 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.

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## Software Specifications for AIC - Agilent Instrument Controller

### Special Notes

Agilent Instrument Controllers (AICs) can be virtualized using VMware vSphere 4.x or vSphere 5.x.

Specification Description	Supported
Operating system type(s), versions	<ul style="list-style-type: none"> <li>Windows 7 SP1, Enterprise or Professional, 64 and 32 bit</li> <li>Windows 10, Enterprise or Pro, 64 bit, tested versions: 1703, 1709 and 1803</li> <li>Windows Server 2012 R2, 64 bit, Windows Server 2016</li> </ul> (Note that all drivers and add-ons must also be supported under the supported O/S)
O/S .NET & other add-ons	<ul style="list-style-type: none"> <li>.NET 3.5 SP1 (must be enabled on Windows 10, Server 2012R2 and Server 2016)</li> <li>.NET 4.7.1 (installed by OpenLab CDS EZChrom A.04.09 Installer)</li> </ul>
Language settings/compatibility  Localized OpenLab CDS can run on localized OS	<ul style="list-style-type: none"> <li>English US operating system</li> <li>Western European language operating system (CDS will always appear in English)</li> <li>Chinese operating system</li> <li>Japanese operating system</li> <li>Brazilian Portuguese operating system</li> </ul> Note: For Chinese Japanese and Brazilian Portuguese operating system non-localized instrument drivers are supported and will always appear in English
Default font	<ul style="list-style-type: none"> <li>Chinese: Simsun</li> <li>Japanese: MS UI Gothic</li> <li>Brazilian Portuguese: MS Sans Serif (Workstations only)</li> </ul>
Account settings/privileges	Local administrator privilege required for installation and configuration
Web Browser	Set Internet Explorer as default browser on Windows 10 and Server 2016
Antivirus software	Highly recommended
Adobe Reader	Adobe Acrobat Reader XI (Needs to run in protected mode) or DC

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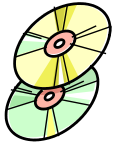


**Computer Hardware Specifications for  
AIC - Agilent Instrument Controller**

<b>Specification Description</b>	<b>Minimum</b>	<b>Recommended (if applicable)</b>	<b>Comments (if applicable)</b>
Processor type & speed	3 GHz Dual Core		
Memory	4 GB		
Internal Storage/devices/media	160 GB		Depends on the data which needs to be stored locally
External Storage/devices/media	DVD drive		
Video devices	17": 1280x1024 resolution (SXGA)	19", 1440 x 900	
Removable Media	USB		
Audio devices	N/A		
Printing devices	N/A		
Pointing devices	MS Windows compatible pointing device		
2 LAN cards	100/1000 LAN		

Note: A second LAN interface is recommended to isolate the instrument's data traffic.

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**Software Specifications for  
CDS Clients**

**Special Notes**

CDS Clients can be virtualized using VMware vSphere 4.x or vSphere 5.x.

Specification Description	Supported
Operating system type(s), versions	<ul style="list-style-type: none"> <li>• Windows 7 SP1, Enterprise or Professional, 64 and 32 bit</li> <li>• Windows 10, Enterprise or Pro, 64 bit, tested versions: 1703, 1709 and 1803</li> </ul> <p>Supported Microsoft Windows Servers with Remote Desktop Services (Terminal Services) &amp; for Citrix XenApp 7.8 or 7.15:</p> <ul style="list-style-type: none"> <li>• Windows Server 2012 R2, 64 bit,</li> <li>• Windows Server 2016</li> </ul> <p>(Note that all drivers and add-ons must also be supported under the supported O/S)</p>
O/S .NET & other add-ons	<ul style="list-style-type: none"> <li>• .NET 3.5 SP1 (must be enabled on Windows 10, Server 2012R2 and Server 2016)</li> <li>• .NET 4.7.1 (installed by OpenLab CDS EZChrom A.04.09 Installer)</li> </ul>
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**Computer Hardware Specifications for  
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Video devices	17": 1280x1024 resolution (SXGA)	19", 1440 x 900	
Removable Media	USB		
Audio devices	N/A		
Printing devices	N/A		
Pointing devices	MS Windows compatible pointing device		
1 LAN card	100/1000 LAN		

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## Networking Specifications

### Special Notes

When using LAN communications to connect the AIC to an instrument, take care for:

- Connect via an isolated switch using standard CAT-5 or higher category network cabling.
- Network Interface Card (NIC) teaming: LAN cards should not be teamed on AIC.  
(Network Interface Card teaming is also known as Load Balancing and Failover (LBFO))
- LAN communication must be on the same subnet as instruments, and preferably on the same segment.

Specification Description	Minimum
Network type, bandwidth, speed, protocol etc.	Internet Protocol Version 4 (TCP/IPv4) only Internet Protocol Version 6 (TCP/IPv6) is not supported
IP Address	Static or DHCP Reservation



## Other Requirements

It is highly recommended to apply all critical security patches for the Microsoft operating system before installing OpenLab CDS.

1. 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/>

2. For detailed supported hardware, software, instruments information, refer to

CDS\_requirements.pdf under Docs\ENU on Disk1 of the OpenLab CDS EZChrom Edition A.04.09 (September 2018) Media Set or USB drive.

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## Important Customer Web Links

- ❑ Videos about specific preparation requirements for your instrument can also be found by searching the Agilent YouTube channel <https://www.youtube.com/user/agilent>
- ❑ To access Agilent University, visit <http://www.agilent.com/crosslab/university/> to learn about training options, which include online, classroom and onsite delivery. A training specialist can work directly with you to help determine your best options.
- ❑ A useful Agilent Resource Center web page is available, which includes short videos on maintenance, quick lists of consumables for new instruments, and other valuable information. Check out the Resource Page here: <https://www.agilent.com/en-us/agilentresources>
- ❑ Need technical support, FAQs, supplies? – visit our Support Home page <http://www.agilent.com/search/support>