

OpenLab CDS v2.4 – Adding AIC to Existing System Site Preparation Checklist

Thank you for purchasing an Agilent product. 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:

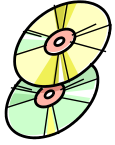
- The computing environment and the necessary space is made available
- The number & location of electrical outlets for your computer systems and peripherals are planned
- That your site meets the software, hardware and networking specifications below
- Locate your sales order information, software authorization 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. Please go to Setup\Tools\ENU\SitePrep on OpenLab CDS v2.4 Install media, right click on *SitePrepStartExe.exe* and select **OpenLab CDS** to complete the final check.

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.

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 AICs

Specification Description	Supported
Operating system type(s), version	<ul style="list-style-type: none"> • Windows 7 SP1, Enterprise or Professional, 64 bit • Windows 10, Enterprise or Professional, 64 bit • Windows Server 2012 R2 Standard or Datacenter • Windows Server 2016 Standard or Datacenter
O/S .NET & other add-ons	<ul style="list-style-type: none"> • .NET 3.5 SP1 (<i>must be enabled on Windows 10</i>) • .NET 4.7.2 or above (<i>installed by OpenLab CDS v2.4 Installer</i>)
Localized OpenLab CDS can run on localized OS	<ul style="list-style-type: none"> • English • Western European Language (<i>CDS will always appear in English</i>) • Chinese (<i>Non-localized instrument drivers are supported and will always appear in English</i>) • Japanese (<i>Non-localized instrument drivers are supported and will always appear in English</i>) • Brazilian Portuguese (<i>Non-localized instrument drivers are supported and will always appear in English</i>)
Default font	<ul style="list-style-type: none"> • Chinese: Microsoft YaHei • Japanese: Meiryo UI • Brazilian Portuguese: Calibri
Account settings/privileges	Domain user with local administrator privilege required for installation and configuration
Web Browser	Internet Explorer 11, Google Chrome 40 or higher, MS Edge. For best user experience in OpenLab Help and Learning, select Internet Explorer or Google Chrome as default Web browser.
Antivirus software	Highly recommended. The application was tested with Symantec Endpoint Protection, Microsoft Security Essentials, Trend Micro and McAfee.
Adobe Reader	Adobe Reader DC

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Computer Hardware Specifications for AICs

Recommended hardware specifications:

Specification Description	
Processor type & speed	Intel® i5, i7, or Xeon E3 or equivalent 3.0 GHz or greater 4 Core
Physical Memory (RAM)	16 GB
Hard Disk	2 x 500 GB or 1 TB SATA 7200 RPM1 (see <i>note 1</i>) or equivalent SSD
Graphic Resolution	1600 x 900 minimum 1920 x 1080 recommended
RS-232 Port	1 serial port required for selected instruments that are still using RS-232 communication. See instrument specifications for details (<i>which are in CDS_Requirements.pdf on the install media</i>)
USB Port	1 USB port required for installation
LAN Card	100 MB/1 GB LAN for instrument control 2nd LAN card required for lab intranet connection

Note 1: If the computer has a disc array controller we recommend 2 x 1 TB in RAID-1.

Note 2: A second LAN interface is recommended to isolate the instrument's data traffic.



Networking Specifications

Special Notes

Domain Requirements: Domains support the flow of information and user access rights across machines in the network. This means that all machines and instruments within the networked OpenLab CDS system must reside within the same domain or have the appropriate cross domain trusts to allow name based communications between all components in the system. In the case of an AIC installation, the AIC must always be able to communicate with domain components to function as expected.

The domain name server (DNS) must be able to resolve the IPv4 address of all instrument controllers and instruments. Any unresolved instrument controller or instrument will disrupt the functionality of OpenLab resulting in errors or delays. IPv6 is not supported and must be deactivated.

When using LAN communications to connect an AIC to an instrument, use one of these methods:

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- Connect via an isolated switch using standard CAT-5 network cabling.
- LAN communication hardware should be 100/1000 mbps (or higher) speed capable.
- NIC teaming (See *Note 1*): LAN cards should not be teamed on AICs.
- LAN communication must be on the same subnet as instruments, and preferably on the same segment.

Note 1: Network Interface Card (NIC) teaming is also known as Load Balancing and Failover (LBFO)

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

For more detailed information, please refer to *2. Network Requirements* on page 26 of **CDS_ClientServer_Requirements.pdf**.

Virtualization

Virtualizing AICs is supported with VMWare vSphere 5.x. However, it is not recommended to virtualize AICs. Operational continuity cannot be guaranteed for virtualized AICs.



Other Requirements

1. Links to specific O/S fixes, updates needed
<http://support.microsoft.com/>
2. Please refer to the **CDS_ClientServer_Requirements.pdf** on the installation media for supported hardware, software, instruments and firmware requirements.

**OpenLab CDS v2.4 - Adding AIC to Existing System
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- For additional information about our solutions, please visit our web site at <http://www.agilent.com>
- Need to get information on your product?
<http://www.agilent.com/en-us/products/software-informatics/chromatography-data-systems/openlab-cds>
- Need to know more?
Customer Education – <http://www.agilent.com/crosslab/university/>
- Need technical support, FAQs? – <https://www.agilent.com/en/products/software-informatics/chromatography-data-systems/openlab-cds#support>
- Need supplies? – <http://www.agilent.com/en-us/products/lab-supplies/chromatography-spectroscopy>
- OpenLab CDS Software Updates - <https://agilent.subscribenet.com> (for any questions related to your account, please email to subscribenet_support@agilent.com)
- OpenLab CDS Software Status Bulletin (SSB) -
<https://www.agilent.com/cs/library/support/Patches/SSBs/M84xx.html>

Service Completion

Service request number _____ Date service completed _____

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Number of pages in this document _____