Agilent CrossLab Start Up Services

Agilent OpenLab ChemStation LTS 01.11
Site Preparation Checklist - Networked and Distributed System

Thank you for purchasing software from **Agilent Technologies**. CrossLab Start Up is focused on helping customers shorten the time it takes to start realizing the full value of their instrument system investment.

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 software requirements for the system set up in your lab.

Introduction

Customer Information

- If you have questions or problems in providing anything described as part of Customer Responsibilities below, 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-schedule 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.

Customer Responsibilities

Ensure that your site meets the following specifications before the installation date. For details, see specific sections within this checklist.

- The **computing environment** and the necessary space is made available.

- The number and location of **electrical outlets** for your computer systems and peripherals are planned.

- Your site meets the **software, hardware, and networking specifications** described later in this document.

- Locate your **sales order information**, software authorization codes, and/or software licenses/certificates.

- Check for Hotfix, Microsoft updates, and patch compatibility appropriate for the customer's system. **Critical Note: Current Microsoft updates and Windows version must be installed in the customer provided PC before installation can begin**.

- The necessary **software media,** disks etc. are available including upgrade/update disks.

- That a suitable **backup solution** is identified for your software.

- If Agilent is delivering **Installation and Introduction services,** users of the instrument system should be present throughout these services. Otherwise, they will miss important operational, maintenance, and safety information.

- Availability of a **system/network administrator** as needed to connect to your intranet.

- Run the System Preparation Tool (SPT) to update many of the required Windows system settings for OpenLab ChemStation to ensure proper installation and use of the product. Check the System Preparation Report for settings that need manually checked and updated.

Important Customer Web Links

- To access Agilent training and education, visit http://www.agilent.com/chem/training 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.

- To access the **Agilent Resource Center** web page, visit https://www.agilent.com/en-us/agilentresources. The following information topics are available:

  - Sample Prep and Containment

  - Chemical Standards

  - Analysis

  - Service and Support

  - Application Workflows

- The **Agilent Community** is an excellent place to get answers, collaborate with others about applications and Agilent products, and find in-depth documents and videos relevant to Agilent technologies. Visit https://community.agilent.com/welcome

- Videos about specific preparation requirements for your instrument can be found by searching the **Agilent YouTube** channel at https://www.youtube.com/user/agilent

- **Need to place a service call**? Maintenance & Repair | Agilent

- To access **Agilent SubscribeNet**, visit https://agilent.subscribenet.com. SubscribeNet is an online software and license delivery, update, and management service that provides you easy access to the latest versions of your software and licenses.

- To access the **Agilent Software Service Desk**, visit https://servicedesk.li.agilent.com/plugins/servlet/desk. Only users with an active Software Maintenance Agreement (SMA) will be able to submit support requests and check the status of those requests.

- Technical support: Technical Support | Agilent

- The Software Status Bulletin (SSB) and Software Release Bulletin (SRB) are located under Disk2\Support\ on the installation media.

Site Preparation

Software Specifications for AIC

Software Specification Description	Details
Operating system	Windows Server 2022 Standard or Datacenter, 64-bit Windows Server 2019 Standard or Datacenter, 64-bit *Refer to CDS_CS_HW-SW-Requirements.pdf -> Chapter 2*
Compatibility, Configuration details	*Refer to CDS_CS_Install_NwWS-DS.pdf*

Software Specifications for Clients

Software Specification Description	Details
Operating system	Window 11 Enterprise or Professional, 64-bit (Minimum version 21H2) Window 10 Enterprise or Professional, 64-bit (Minimum version 21H2) Windows Server 2022 Standard or Datacenter, 64-bit Windows Server 2019 Standard or Datacenter, 64-bit *Refer to CDS_CS_HW-SW-Requirements.pdf -> Chapter 2*
Compatibility, Configuration details	*Refer to CDS_CS_Install_NwWS-DS.pdf*

Software Specifications for Networked Workstations

Software Specification Description	Details
Operating system	Window 11 Enterprise or Professional, 64-bit (Minimum version 21H2) Window 10 Enterprise or Professional, 64-bit (Minimum version 21H2) *Refer to CDS_CS_HW-SW-Requirements.pdf -> Chapter 2*
Compatibility, Configuration details	*Refer to CDS_CS_Install_NwWS-DS.pdf*

Computer Hardware Specifications for Workstations, Clients, and AICs

Specification Description	Minimum
CPU, memory, storage	*Refer to CDS_CS_HW-SW-Requirements.pdf -> Chapter 1*

Special notes

- Check that a valid printer driver is installed on the system and a test page prints successfully.

- Refer to the instrument Site Preparation Checklist for requirements regarding laboratory bench space requirements.

- Refer to the CDS_CS_Instrument-support.pdf for supported instruments. Agilent recommends using the most recent firmware revisions to provide the highest level of system capability.

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, follow the below guidelines:

- 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.

- Instruments, workstations, and AICs should be installed in an isolated network or on a separate vLAN. A second network interface can be used to isolate the instrument traffic.

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

Network Specification Description	Comments
Network type, bandwidth, speed, protocol etc.	Internet Protocol Version 4 (TCP/IPv4) Only *Internet Protocol Version 6 (TCP/IPv6) is not supported* *Refer to CDS_CS_HW-SW-Requirements.pdf -> Chapter 3*
IP Address	Static or DHCP Reservation

Service Engineer Review (Optional)

Service Engineer Comments

If the Service Engineer completed a review of the Site Preparation requirements with the customer, the Service Engineer should complete the following sections below.

If there are any specific points that should be noted as part of performing the service review or other items of interest for the customer, please write in this box.

Site Preparation Verification

Service Request Number: _____

Date of Review: _____

Service Engineer Name: _____

Customer Name: _____

Service Engineer Signature: _____

Total number of pages in this document: _____