

Agilent CrossLab Start Up Services

Agilent OpenLab ECM XT Server/ OpenLab Server v2.8

Software Site Preparation Checklist

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, including

- 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.

- Please consult the **Special Requirements** section for other product-specific information.
- Please refer to the *OpenLab Server and OpenLab ECM XT Hardware and Software Requirements Guide* (**openlab-server-ecmxt-v2.8-requirements-en.pdf**) for additional information.

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?** [Flexible Repair Options | Agilent](#)
- 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.
- 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.

Site Preparation

Software Specifications for Clients and Servers

Special notes

- See the OpenLab Server and ECM XT Hardware and Software Requirements Guide (openlab-server-ecmxt-v2.8-requirements-en) for additional information on the following:
 - Licensing
 - Virtual machines
 - Language compatibility

Software Specification Description	Server System	Client System
Operating system name, version	Windows 2019 Server (Standard, Datacenter), 64-bit, 1809 Windows 2022 Server (Standard, Datacenter), 64-bit, 21H2	Windows 10 (64-bit) Pro or Enterprise, 21H2 or greater Windows 11 (64-bit) Pro or Enterprise, 21H2 Windows 2019 Server (Standard, Datacenter), 64-bit, 1809 Windows 2022 Server (Standard, Datacenter), 64-bit, 21H2
Databases	MS SQL Server 2019 (64-bit) MS SQL Server 2022 (64-bit) PostgreSQL Server 15.x (64-bit)	
Internet Browsers	Microsoft Chromium Edge 64-bit Google Chrome 64-bit	Microsoft Chromium Edge 64-bit as shipped with Windows 10 Google Chrome 64-bit v40 or higher
.NET Framework	NET Framework 64-bit 4.7.2 or higher NET Core 64-bit 6.x	NET Framework 64-bit 3.5 and 4.8 or higher NET Core 64-bit 6.x

Computer Hardware Specifications for Clients and Servers

Special notes

- Recommended hardware for an Application Server with local database and local file storage (Basic server an All-in-one server).

- Agilent recommends a server dedicated to OpenLab ECM XT as the host machine.
- The recommended disk space for these systems was estimated based on four years of usage with the maximum number of recommended instruments. The actual disk size required should be calculated based on planned usage patterns.
- Please refer to the *OpenLab Server and ECM XT Hardware and Software Requirements Guide (openlab-server-ecmxt-v2.8-requirements_en.pdf)* for a 2-server solution, a 3-server solution, or an Enterprise deployment configuration.
- For cloud deployments, use the table below as a reference when selecting EC2 instances or Azure VMs.

Hardware Specification Description	Small System (or Basic Server)	Medium System	Large System
Processor type and speed	1 x CPU - 2.0 GHz or higher, Minimum of 8 vCPU	2 x CPU - 2.0 GHz or higher, Minimum of 16 vCPU	2 x CPU - 2.0 GHz or higher, Minimum of 16 vCPU
Minimum Memory	16 GB	24 GB	48 GB
Disk (OS and software)	150 GB SSD (RAID 1)	300 GB SSD (RAID 1)	600 GB SSD (RAID 1)
Disk (Data)	500 GB SSD (RAID 1)	1 TB SSD (3 x 500GB RAID 5)	2 TB SSD 3 x 1TB RAID 5)
Network	1 GB to Clients/AIC	1 GB to Clients/AIC	1 GB to Clients/AIC
Operating System and Database	Windows Server 2016 or 2019	Windows Server 2016 or 2019	Windows Server 2016 or 2019
Database	PostgreSQL or SQL Server	PostgreSQL or SQL Server	PostgreSQL or SQL Server

Networking Specifications

Special notes

- OpenLab ECM XT uses standard TCP/IP protocols to communicate between the server and client computers. For optimum performance, the network must meet the design criteria for available bandwidth, IP address assignment, name resolution, and appropriate isolation of the lab subnet from the corporate network.
- TCP/IP networking is required for all products.
- Wide Area Networks (WANs) are not supported.

- See the *OpenLab Server and ECM XT Hardware and Software Requirements Guide (openlab-server-ecmxt-v2.8-requirements_en.pdf)* for additional information on the following:
 - Communication method
 - LAN power management
 - Requirements for a compliant system
 - Domain guidelines
 - Firewall settings: If an external Firewall is used, the ports need to be opened by the customer IT Department.

Network Specification Description	Comments
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

ECM-XT Add-ons (select when applicable)

The Add-ons can only be installed on an environment running OpenLAB Server with an ECM XT license and with OpenLab Content Management Client installed.

ECM XT Import Scheduler

Minimum recommended Hardware for an Import Scheduler Server

- Processor 2 GHz or higher
- RAM: minimum 8 GB, recommended 16 GB
- Disk free space for installation: minimum 500 MB
- Disk free space for file cache: minimum 250 GB

ECM XT Import Services

Minimum recommended Hardware for an Import Services Client

- Processor: 2 GHz or higher
- RAM: minimum 8 GB
- Hard Disk: 100 GB

Service Engineer Review (Optional)

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

Service Engineer Comments

If there are any specific points that should be noted as part of performing the site preparation 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: