

Agilent OpenLab ECM XT Server/ OpenLab Server v2.5

Site Preparation Checklist

Thank you for purchasing Agilent software. To get you started and to assure a successful and timely installation, 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. The information provided here applies to **OpenLab Server** and **OpenLab ECM XT** products unless specified otherwise.

Introduction

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.
- That your site meets the following software, hardware, and networking specifications.
- 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.
- 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.
- 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 *Agilent OpenLab Server and OpenLab ECM XT Hardware and Software Requirements Guide* (**ECM_XT_HardwareSoftwareRequirements.pdf**) for additional information.

Customer Information

- 1 If you have questions or problems in providing anything described as a Customer Responsibility, please contact your local Agilent or partner support service organization for assistance before delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your site.
- 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 extra training, operational qualification (OQ), and consultation for user-specific applications may also be provided at the time of installation. Please discuss with your Agilent Sales representative before the installation is scheduled.

Important Customer Web Links

- Videos about specific preparation requirements for your software can be found by searching the *Agilent YouTube* channel at <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* at <http://www.agilent.com/search/support>
- Microsoft Hardware Compatibility List: <https://sysdev.microsoft.com/en-us/Hardware/lpl/>
- Links to specific O/S fixes, updates needed: <http://support.microsoft.com/>
- Get answers. Share insights. Build connections:
Join the Agilent Community at <https://community.agilent.com/welcome>

Site Preparation

Software Specifications for Workstations, Clients and Servers

Special notes

- 1 See the *Agilent OpenLab Server and OpenLab ECM XT Hardware and Software Requirements Guide (ECM_XT_HardwareSoftwareRequirements.pdf)* for additional information on the following:
 - Licensing
 - Virtual machines
 - Language compatibility

Specification Description	Server System	Client System
Operating system name, version	Windows Server 2016 Standard or Datacenter Edition Windows Server 2019 Standard or Datacenter Edition	Windows 10 (64-bit) Professional or Enterprise Edition Windows Server 2016 Standard or Datacenter Edition Windows Server 2019 Standard or Datacenter Edition
Databases	MS SQL Server 2014 Standard or Enterprise (64-bit) MS SQL Server 2016 Standard or Enterprise (64-bit) MS SQL Server 2017 Standard or Enterprise (64-bit) MS SQL Server 2019 Standard or Enterprise (64-bit) PostgreSQL Server 11.5 Oracle 12c R2 Oracle 18c	
Internet Browsers	Internet Explorer 11 (Active scripting needs to be enabled for accessing the OpenLab ECM XT website) Microsoft Edge 64-bit Google Chrome	Internet Explorer 11 (Active scripting needs to be enabled for accessing the OpenLab ECM XT website) Microsoft Edge Google Chrome
.NET Framework	Microsoft.NET Framework 3.5 with Service Pack 1 and Microsoft.NET Framework 4.x (if needed, it will be installed automatically by the OpenLab installer)	Microsoft.NET Framework 3.5 with Service Pack 1 and Microsoft.NET Framework 4.x (if needed, it will be installed automatically by the OpenLab installer)
Other software	PDF reader	PDF reader

Computer Hardware Specifications for Workstations, Clients and Servers

Special notes

- 1 Recommended hardware for an all-in-one system.
- 2 Agilent recommends a server dedicated to OpenLab ECM XT as the host machine.
- 3 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.
- 4 Please refer to the *Agilent OpenLab Server and OpenLab ECM XT Hardware and Software Requirements Guide (ECM_XT_HardwareSoftwareRequirements.pdf)* for a 2-server solution, a 4-server solution or a scalable System.

Specification Description	Small System (1-2 logical instruments)	Medium System (3-30 logical instruments)	Large System (31-100 logical instruments)
Processor type and speed	1 x (Intel Xeon E5 v2 2.5 GHz, 4 Core)	2 x (Intel Xeon E5 v2 2.5 GHz, 4 Core)	2 x (Intel Xeon E5 v3 3.0 GHz, 4 Core)
Minimum RAM	12 GB	24 GB	48 GB
Disk (OS and software)	2 x (100 GB 7.2 K rpm RAID 1)	2 x (300 GB 15 K rpm RAID 1)	2 x (600 GB 15 K rpm RAID 1)
Disk (Data)	2 x (100 GB 7.2 K rpm RAID 1)	3 x (500 GB 7.2 K rpm RAID 5)	5 x (1 TB 7.2 K rpm RAID 5)
Network	1 GB	1 GB	1 GB

Networking Specifications

Special notes

- 1 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.
- 2 TCP/IP networking is required for all products.
- 3 Wide Area Networks (WANs) are not supported.
- 4 See the *Agilent OpenLab Server and OpenLab ECM XT Hardware and Software Requirements Guide (ECM_XT_HardwareSoftwareRequirements.pdf)* for additional information on the following:
 - a Communication method
 - b LAN power management

- c Requirements for a compliant system
- d Domain guidelines
- e Network isolation
- f Firewall settings: If an external Firewall is used, the ports needs to be opened by the customer IT Department.

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

Software requirements (in addition to the software requirements listed above for the clients)

- OpenLab Content Manage Client

Hardware requirements

- Disk free space for installation: minimum 500 MB
- Disk free space for file cache: minimum 250 GB
- RAM: minimum 8 GB, recommended 16 GB

ECN XT Import Services

Software requirements (in addition to the software requirements listed above for the clients)

- OpenLab Content Management Client

ECN XT Template Plug-In for Adobe Acrobat

Software requirements (in addition to the software requirements listed above for the clients)

- OpenLab Content Management Client
- Adobe Acrobat Classic 2017 or Adobe Acrobat DC Continuous Version (required for the PDF Template Plug-In add-on)