

---

# Global System Requirements



Information in this documentation is subject to change without notice and does not represent a commitment on the part of LUMEDX Corporation. The software described in this document is furnished under a license agreement or nondisclosure agreement and can be used and copied only in accordance with the terms of the agreement. No part of this document may be reproduced, or transmitted in any form or by any means, electronic or mechanical, including photocopying or recording, for any purpose, without the express written permission of LUMEDX Corporation.

Apollo, CardioPACS, and HealthView are trademarks of the LUMEDX Corporation.

© 2020 LUMEDX Corporation. All rights reserved.

Microsoft, Windows, Access, Office, Visual Studio, and SQL Server are registered trademarks of Microsoft Corporation in the United States and other countries.

Other products and companies noted herein may be trademarks of their respective owners.

LUMEDX Corporation  
 555 12th Street  
 Suite 2060  
 Oakland, California 94607 USA

Tel 800.966.0699

[www.lumedx.com](http://www.lumedx.com)

REVISION HISTORY		
Revision	Date	Description
103-00994-028	10/7/2020	Changed layout, format, and content. Modified to include requirements for hosted SaaS systems and removed server specifications for CVIS solution. All CVIS system requirements are customized per site and included in the Solution Plan document provided to the customer.
103-00994-027	07/23/2020	Updated Visual Studio requirements, added SSL certificate to Medical Copilot requirements, updated COMPACS requirements.
103-00994-026	03/05/2020	Removed support for Windows Server 2008 R2.
103-00994-025	01/31/2020	Added support for Windows Server 2019, SQL Server 2019. Reinstated the requirement for .NET 3.0 and 2.0 for the Interface and HealthView servers. Updated UPS requirement for HealthView CardioPACS Enterprise Server.
103-00994-024	08/28/2019	Removed SQL Server 2008 R2, added support for Windows Server 2016 for CompACS, updated the Integration Runtime Server to require 16 GB RAM.

**REVISION HISTORY**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
103-00994-023	03/27/2019	Added support for Windows Server 2016 and Office 2016 to the Citrix Server, Visual Studio 2017, Office 365, updated HealthView CardioPACS and ECG Manager requirement for .NET, added Medical Copilot requirement to the Web Server.
103-00994-022	11/29/2018	Updated Visual Studio and .NET requirements for the client workstations using Report Editors LXDocumentView Control.
103-00994-021	10/25/2018	HealthView Analytics removed from the SQL Reporting Server, updated Migration Server requirements for .NET, Visual Studio, and SQL Server.

# Contents

- HealthView Analytics – LUMEDX Hosted ..... 1**
  - HealthView Analytics Integration Runtime Server .....1**
  - HealthView Analytics – Client .....2**
  - HealthView Analytics Developer Workstation .....2**
  - HealthView Secure Transport Server .....2**
  - Integration Runtime Server .....3**
  - HealthView Registries – Client .....3**
- HealthView Registries – On-Premises Deployment..... 4**
  - Apollo Database Server .....4**
  - Web Server .....4**
  - Interface Server.....4**
  - Integration Runtime Server .....5**
  - HealthView Registries – Client .....5**
  - HealthView Registries Admin Workstation.....6**
- HealthView CVIS – On-Premises Deployment..... 6**

**Caution: possible delays in therapy.**

- The Client is expected to:
  - Ensure that at least two persons at the Client facility are knowledgeable LUMEDX System Administrators.
  - Have at least two LUMEDX workstations onsite that meet the minimum system requirements in this document. This redundancy allows users to immediately move to another workstation if workstation problems are encountered.
- If this system is considered mission-critical by the Client, provision of a redundant Internet infrastructure to reduce the risk of loss of connectivity is highly recommended.

## HEALTHVIEW ANALYTICS – LUMEDX HOSTED

### HealthView Analytics Integration Runtime Server

**Requirements:**

- Microsoft Windows Server 2019 or Windows 10
- 2 GHz 4 cores
- 16 GB RAM
- 100 GB HDD
- Microsoft .NET Framework 4.6.1 or later
- Microsoft Integration Runtime server
- **Application software installed:** LUMEDX HealthView Analytics configuration utility, LUMEDX TCPIP Receive Client when HL7 data is consumed

For additional technical information about network and open port requirements, see [Create and configure a self-hosted integration runtime](#). For details about single sign-on (SSO) support and configuration, refer to the *HealthView Analytics Customer Active Directory Configuration Guide*.

## HealthView Analytics – Client

### Requirements:

- Any computing device that can run the Microsoft Edge, Google Chrome, or Apple Safari browser
- **Application software installed:** none

## HealthView Analytics Developer Workstation

A HealthView Analytics developer workstation is only needed for users who want to modify or develop HealthView Analytics dashboards.

### Requirements:

- Microsoft Windows 10, 64-bit
- Dual cores
- 32 GB RAM
- 100 GB HDD
- **Application software installed:** Microsoft Edge, Google Chrome, or Apple Safari browser, Microsoft Power BI Desktop. To learn more about Power BI Desktop, see [What is Power BI Desktop?](#)

## HEALTHVIEW REGISTRIES – LUMEDX HOSTED

## HealthView Secure Transport Server

### Requirements:

- Microsoft Windows Server 2019
- 2 GHz, 4 cores
- 16 GB RAM
- 200 GB HDD partition for LUMEDX applications
- Microsoft .NET Framework 3.0 and 2.0
- Server should be able to connect to remote hosts on ports 80 and 443
- An internet connection with a download speed of at least 25 Mbps
- **Application software installed:** LUMEDX Transport Client, LUMEDX TCPIP Receive Client

## Integration Runtime Server

### Requirements:

- Microsoft Windows Server 2019 or Windows 10
- 2 GHz, 4 cores
- 16 GB RAM
- 100 GB HDD
- Microsoft .NET 4.6.1 or later
- Microsoft Integration Runtime
- **Application software installed:** LUMEDX TCP/IP Receive Client when HL7 data is consumed

For additional technical information about network and open port requirements, see [Create and configure a self-hosted integration runtime](#). For details about single sign-on (SSO) support and configuration, refer to the *HealthView Analytics Customer Active Directory Configuration Guide*.

## HealthView Registries – Client

### Requirements:

- Microsoft Windows 10, 64-bit
- Dual cores
- 8 GB RAM
- 100 GB HDD
- Microsoft .NET Framework 4.6.1
- Microsoft Internet Explorer 11
- Citrix Receiver client
- Client should be able to connect to remote hosts on ports 80 and 443
- An internet connection with a download speed of at least 25 Mbps
- **Application software installed:** LUMEDX HealthView plug-ins

# HEALTHVIEW REGISTRIES – ON-PREMISES DEPLOYMENT

## Apollo Database Server

### Requirements:

- Microsoft Windows Server 2019
- 2 GHz, 4-8 cores
- 16-64 GB RAM
- 500 GB HDD partition for LUMEDX Apollo database
- Microsoft SQL Server 2019 standard edition: Database Engine, Integration Services, Workstation components
- **Application software installed:** LUMEDX Apollo database

## Web Server

### Requirements:

- Microsoft Windows Server 2019
- 2GHz, 4 cores
- 32 GB RAM
- 200 GB HDD partition for LUMEDX applications
- Microsoft Internet Information Services (IIS) 7.5 or later
- Microsoft .NET Core 2.2 Runtime and Hosting bundle
- **Application software installed:** HealthView Registries Platform

## Interface Server

### Requirements:

- Microsoft Windows Server 2019
- 2 GHz, 4 cores
- 32 GB RAM
- 500 GB HDD partition for LUMEDX applications



- Microsoft .NET Framework 3.0 and 2.0
- Microsoft Office 2016 32-bit with Access, Excel, Word, and Tools components
- Microsoft SQL Server Workstation Components with the same Service Pack as the HealthView Database Server
- Microsoft Distributed Transaction Coordinator (MSDTC) service *must be disabled*
- **Application software installed:** LUMEDX HIE platform and interfaces, LUMEDX AIE platform and interfaces; maximum of 10 interfaces per server

## Integration Runtime Server

### Requirements:

- Microsoft Windows Server 2019 or Windows 10
- 2 GHz, 4 cores
- 16 GB RAM
- 100 GB HDD
- Microsoft .NET Framework 4.6.1 or later
- Microsoft Integration Runtime
- **Application software installed:** LUMEDX TCP/IP Receive Client when HL7 data is consumed

For additional technical information about network and open port requirements, see [Create and configure a self-hosted integration runtime](#). For details about single sign-on (SSO) support and configuration, refer to the *HealthView Analytics Customer Active Directory Configuration Guide*.

Please contact your Solution Architect for final specifications, and to determine if a high-availability configuration, such as SQL clustering, is needed.

## HealthView Registries – Client

### Requirements:

- Microsoft Windows 10, 64-bit
- Dual cores
- 8 GB RAM
- 100 GB HDD
- Microsoft .NET Framework 4.6.1

- Microsoft Internet Explorer 11
- **Application software installed:** LUMEDX HealthView plug-ins, Citrix Receiver

## HealthView Registries Admin Workstation

### Requirements:

- Microsoft Windows 10, 64-bit
- Dual cores
- 8 GB RAM
- 200 GB HDD
- Microsoft .NET Framework 4.6.1, 4.0, and 3.5
- Microsoft Office 2016 32-bit with Access, Excel, Word, and Tools components
- Microsoft Visual Studio 2017 for users who want to build custom forms
- All servers and clients connected on a 100 Mbps to 1 Gbps network
- **Application software installed:** LUMEDX Apollo Advance with Toolkit enabled, LUMEDX ApolloLX, LUMEDX Toolkit

## HEALTHVIEW CVIS – ON-PREMISES DEPLOYMENT

System requirements for LUMEDX HealthView CVIS solutions are customized for each site. Please contact your LUMEDX Solution Architect or refer to the Solution Plan provided for the system requirements for your HealthView CVIS solution.