Global System Requirements

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REVISION HISTORY		
Revision	**Date**	**Description**
103-00994-031	6/8/2023	Added support for Microsoft Windows Server 2022. Updated HD requirements to SSD. Added HealthView CVIS on Premises requirements.

103-00994-030	7/21/2022	Removed support for Internet Explorer 11 and Microsoft Windows 10. Added support for Microsoft Edge and Microsoft Windows 11. Updated all Server RAM requirements to 32 GB. Updated all Workstation RAM requirements to 16 GB. Updated all Server HD requirements to 500 GB HDD (recommending SSD). Updated all workstation HD requirements to 250 GB HDD (recommending SSD). Removed support for Microsoft Visual Studio 2017. Added support for Microsoft Visual Studio 2019. Updated Interface Server requirements to only include legacy interfaces. Added LUMEDX HIE platform and interfaces to Web Server requirements. Updated HealthView Registries – Client requirements for ON-PREMISES DEPLOYMENT to include LUMEDX Apollo Advance, LUMEDX ApolloLX.
103-00994-029	1/18/2021	Updated .NET Framework requirements for HVA Integration Runtime, added HealthView Analytics – On-Premises Deployment section.
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.

Contents

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, Windows Server 2022 or Windows 11
- 2 GHz, 4 Cores
- 32 GB RAM
- 500 GB SSD
- Microsoft .NET Framework 4.7.2 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
- **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 11
- Quad Cores
- 16 GB RAM
- 250 GB SSD
- **Application software installed:** Microsoft Edge, Google Chrome, 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, Windows Server 2022
- 2 GHz, 4 Cores
- 32 GB RAM
- 500 GB SSD 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, Windows Server 2022 or Windows 11
- 2 GHz, 4 Cores
- 32 GB RAM
- 500 GB SSD
- Microsoft .NET 4.6.1 or later
- Microsoft Integration Runtime
- **Application software installed:** 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 Registries – Client

Requirements:

- Microsoft Windows 11
- Quad Cores
- 16 GB RAM
- 250 GB SSD
- Microsoft .NET Framework 4.6.1
- Microsoft Edge (Using IE Compatibility Mode)
- 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 100 Mbps
- **Application software installed:** LUMEDX HealthView plug-ins

INTERFACES – ON-PREMISES DEPLOYMENT

Interface Server

Requirements:

- Microsoft Windows Server 2019 or Windows Server 2022
- 2 GHz, 4 Cores
- 32 GB RAM
- 500 GB SSD partition for LUMEDX applications
- .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:** Apollo Advance; LUMEDX Legacy interfaces; maximum of 10 interfaces per server

REGISTRIES/CLINICAL – ON-PREMISES DEPLOYMENT

Apollo Database Server

Requirements:

- Microsoft Windows Server 2019 or Windows Server 2022
- 2 GHz, 4-8 Cores
- 32-64 GB RAM
- 500 GB SSD 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 or Windows Server 2022
- 2GHz, 4 cores
- 32 GB RAM
- 500 GB SSD 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, LUMEDX HIE platform and interfaces

Integration Runtime Server

Requirements:

- Microsoft Windows Server 2019, Windows Server 2022 or Windows 11
- 2 GHz, 4 cores
- 32 GB RAM
- 500 GB SSD
- Microsoft .NET Framework 4.6.1 or later
- Microsoft Integration Runtime
- **Application software installed:** 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.*

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

Registries – Client

Requirements:

- Microsoft Windows 11
- Quad Cores
- 16 GB RAM
- 250 GB SSD
- .NET Framework 4.6.1
- Microsoft Edge (Using IE Compatibility Mode)
- **Application software installed:** LUMEDX Apollo Advance, LUMEDX ApolloLX, LUMEDX HealthView plug-ins, Citrix Receiver

Registries Admin Workstation

Requirements:

- Microsoft Windows 11
- Quad Cores
- 16 GB RAM
- 250 GB SSD
- 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 2019 or greater 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 ANALYTICS – ON-PREMISES DEPLOYMENT

HealthView Analytics Integration Runtime Server

Requirements:

- Microsoft Windows Server 2019, Windows Server 2022 or Windows 11
- 2 GHz, 4 Cores
- 32 GB RAM
- 500 GB SSD
- Microsoft .NET Framework 4.7.2 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
- **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 11
- Quad Cores
- 16 GB RAM
- 250 GB SSD
- **Application software installed:** Microsoft Edge, Google Chrome, Microsoft Power BI Desktop. To learn more about Power BI Desktop, see What is Power BI Desktop?

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.

HealthView CVIS Workstation

Requirements:

- Microsoft Windows 11
- Quad Cores
- 16 GB RAM
- 250 GB SSD
- **Application software installed:** Microsoft Edge, Google Chrome, Apollo LX 7.1.0 or higher, HealthView CardioPACS 6.5.5 or higher Microsoft Power BI Desktop. To learn more about Power BI Desktop, see What is Power BI Desktop?

HealthView CVIS Server

Requirements:

- Microsoft Windows Server 2019, Windows Server 2022 or Windows 11
- 2 GHz, 4 Cores
- 32 GB RAM
- 500 GB SSD
- Microsoft .NET Framework 4.6.1 or later
- **Application software installed:** All services related to HealthView CardioPACS 6.5.5 or higher (The list of services will depend on the client configuration; Implementation team will specify the services needed for each client based on the configuration)