

System Requirements (End User)

SERVER

REQUIREMENT					
	WINDOWS	DISK SPACE/ PERFORMANCE	PROCESSOR	SYSTEM RAM	NETWORK (LAN)
SERVER REQUIREMENT	Windows Server 2019, Windows Server 2022, Windows Server 2025 Latest Version of Microsoft Edge or Google Chrome	200GB SSD/NVMe, 500 iops A dedicated partition for data storage is recommended.	1st Generation Intel® Xeon® Scalable Processor or newer, 12 vCPU	16 GB	1 Gb/s Ethernet

Notes

- Minimum requirements are not meant to imply that the application will meet end-user performance expectations.
- Based on vendor support for operating systems, Windows version lower than what is specified are not generally supported.
- With server-side processing enabled for CT and 4D Flow, server CPU shows 30% increase, and 20% increase in memory usage.
- With server-side processing enabled for 4D Flow, server disk space usage shows up to 50% increase.



**USERS
up to 4
Concurrent**

Please contact your
Circle CVI advisor for
client-server configurations
above 4 concurrent users

Client / Standalone Workstation¹

REQUIREMENT						
	macOS	WINDOWS	PROCESSOR	SYSTEM RAM¹	NETWORK (LAN)	DISPLAY
MR REQUIREMENTS³	15.x, 26	Windows 11 Citrix vApp Latest Version of Microsoft Edge or Google Chrome	Windows: Intel Core i5 7th gen+ Mac: Intel Core i5 7th gen+, Apple Silicon	4D Flow Module requires: 16 GB+ All other MR Modules: 8 GB+	1 Gb/s Ethernet	1920x1080

CT / ADVANCED VISUALIZATION REQUIREMENTS³	15.x, 26	Windows 11 Citrix vApp	Windows: Intel Core i5 7th gen+ Mac: Intel Core i5 7th gen+, Apple Silicon	CT Modules requires: 16 GB+	1 Gb/s Ethernet	1920x1080
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REQUIREMENT			
	Video Card¹, 2, 3	VIDEO RAM	DISK SPACE/ PERFORMANCE
MR REQUIREMENTS³	Intel Integrated HD Graphics 630+	N/A	Standalone: 200GB SSD/NVMe Client: 2 GB
CT / ADVANCED VISUALIZATION REQUIREMENTS³	Discrete nVidia GeForce 10 series, AMD Radeon R9 M370X or better	2 GB+ RAM	Standalone: 200GB SSD/NVMe Client: 2GB and at least 15GB free space

Notes

¹ 3D/4D dataset viewing capability varies based on series size and amount of available RAM and VRAM. A system capable of viewing 3D is automatically capable of viewing 2D images.

² System requires 24-bit colour depth to use the client software.

³ Discrete graphics hardware is recommended for large datasets and modules with advanced 4D visualization capabilities.

⁴ Citrix vApp deployments REQUIRE discrete GPU resources assigned to the client and OpenGL support on the application server hosting the vApp.

QUESTIONS?



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Tech Specs Addendum

Minimum specifications may not provide the best user experience when running the cvi42 application. Additional system resources (CPU, Memory, Graphics) may provide a better experience. Study sizes will have an impact on required system resources and should be considered when determining infrastructure requirements. Circle Cardiovascular Imaging always recommends that the latest supported OS and hardware driver versions available be deployed when using cvi42.

	cvi42 Client	cvi42 Server (Enterprise/multi-user environments)
CPU	Windows: Core i5 7th gen (Kaby Lake) or newer (4 or more cores). Mac: Core i5 7th gen, Apple Silicon	Intel Server Class CPU with 4 or more Hyper-threaded cores available. For server side processing, 6 or more hyper threaded cores available or 12 vCPUs.
RAM	8GB of system RAM or more	16GB RAM for environments up to 4 users concurrently
VIDEO	Intel Integrated HD Graphics 630 (built into Core i5 Kaby Lake CPUs), or better.	-
DISK	Storage performance is vital to the efficient use of cvi 42 SSD/NVMe highly recommended. For Standalone installations: - Storage should be able to support 500 iops. - Storage should be provided as a separate volume from the OS (i.e. D: drive). 200GB should be available For client / server implementations, the client does not require dedicated storage as that function is handled by the server	Storage performance is vital to the efficient use of cvi42. High speed spinning disk in a multi-disk RAID array optimized for I/O performance or SSD/NVMe storage is highly recommended. In all cases, a sustained transfer rate of 60MB/s is suggested/recommended. As the number of concurrent users and/or studies being pushed directly to or from the server increases, I/O throughput should increase as well. In virtualized should be made to provision storage of the highest performance tier.
NETWORK	1 Gb/s or greater	10 Gb/s is highly recommended for multiuser environments

Operating System	cvi42 Client	cvi42 Server
Windows	Windows 11 Latest Version of Microsoft Edge or Google Chrome	Windows Server 2019, Windows Server 2022, Windows Server 2025
macOS	macOS 15 (Sequoia) macOS 26 (Tahoe) Latest Version of Google Chrome or Safari	macOS is no longer a supported environment for cvi42 Server. Please contact support@circlevi.com for assistance in migrating current macOS server environments to a supported Windows Server OS

For Cardiac CT, 4D Flow and Advanced Visualization, additional system resources are required

RAM	16 GB or more 24 GB is required for 4D Flow server-side processing of studies > 1.5 GB
PROCESSOR	16 vCPU is required for 4D Flow server-side processing of studies > 1.5 GB
VIDEO	Discrete/dedicated GPU: nVidia GeForce 10 series or GeForce 20 series with 2 GB or more Video RAM. AMD Radeon R9 M370X or better with 2 GB or more Video RAM

Please always confer with your dedicated Circle CVI Product Support Specialist to discuss your deployment architecture @ support@circlevi.com

WATCHMAN™ TruPlan™

CT IMAGING SOFTWARE

System Requirements (End User)

Client / Standalone Workstation

REQUIREMENT							
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REQUIREMENTS	15.x, 26	Windows 11 Citrix vApp	Windows: Intel Core i5 7th gen+ Mac: Intel Core i5 7th gen+, Apple Silicon	16 GB+	1 Gb/s Ethernet	1920x1080	Discrete nVidia GeForce 10 series, AMD Radeon R9 M370X or better

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SERVER

Note: TruPlan is compatible with the cvi42 server for sites implementing centralized servers. The requirements for cvi42 server are listed above. This combined server allows sites to centralize image data and user management.

QUESTIONS?



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