cvi42®

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 Node42 turned on with CT studies, the CPU usage of server shows 30% increase, and 20% increase in memory usage

USERS up to 4 Concurrent — Please contact your Circle CVI advisor for client-server configurations above 4 concurrent users

Client / Standalone Workstation[1]

REQUIREMENT	MAC OS	WINDOWS	PROCESSOR	SYSTEM RAM[1]	NETWORK (LAN)	DISPLAY
MR REQUIREMENTS[3]	14.x, 15.x	Windows 10 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 REQUIREMENTS[3]	14.x, 15.x	Windows 10 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

REQUIREMENT	Video Card[1,2,3]	VIDEO RAM	DISK SPACE/ PERFORMANCE
MR REQUIREMENTS[3]	Intel Integrated HD Graphics 630+	N/A	Standalone: 200GB SSD/NVMe Client: 2 GB
CT / ADVANCED VISUALIZATION REQUIREMENTS[3]	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? ✉ support@circlecvi.com 📞 +1 (403) 338 1870

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Tech Specs Addendum

Minimum specifications may not provide the best user experience when running the cvi**42** 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 cvi**42.**

	cvi**42** Client	cvi**42** 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 cvi**42**. 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	cvi**42** Client	cvi**42** Server
Windows	Windows 10, Windows 11 Latest Version of Microsoft Edge or Google Chrome	Windows Server 2019, Windows Server 2022, Windows Server 2025
Mac	MacOS 14 (Sonoma) MacOS 15 (Sequoia) Latest Version of Google Chrome or Safari	macOS is no longer a supported environment for cvi**42** Server. Please contact support@circlecvi.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 will be required	
RAM	16GB or more
VIDEO	Discrete/dedicated GPU: nVidia GeForce 10 series or GeForce 20 series with 2GB or more Video RAM. AMD Radeon R9 M370X or better with 2GB or more Video RAM

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

Tech Specs valid for cvi**42** v.6.3

WATCHMAN™ TruPlan™
CT IMAGING SOFTWARE

System Requirements (End User)

Client / Standalone Workstation[1]

REQUIREMENT	MAC OS	WINDOWS	PROCESSOR	SYSTEM RAM	NETWORK (LAN)	DISPLAY	Video Card[1,2,3]
REQUIREMENTS	14.x, 15.x	Windows 10 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

Notes

- Based on vendor support for operating systems, Windows version lower than what is specified are not generally supported.

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

USERS
up to 4
Concurrent

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

SERVER

Note: TruPlan is compatible with the cvi**42** server for sites implementing centralized servers. The requirements for cvi**42** server are listed above. This Combined server allows sites to centralize image data and user management.

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