



CGM webPRACTICE
Self-Hosted
Hardware and Software
Full Requirements-Cache
September 11, 2026

CGM webPRACTICE

Table of Contents

Notice	3
Full System Requirements	4
Server Specifications.....	4
Client Computer Specifications	6
Peripheral Specifications	7
Printers	7
Desktop Scanners	8
Internet Connection	8
Multi-Factor Authentication (MFA) Specifications.....	9
Mac Computer Specifications.....	10
CGM webTOOLS Technical Requirements	12
Server Specifications.....	12
Client Computer Specifications	13
Technical Backup Information	14
Full System Backup	14
Data Backup.....	14
Pre-Installation Requirements Worksheet	15
CGM webPRACTICE Server Details	15
System Requirements Compliance	16

NOTICE

CompuGroup Medical US (CGM) believes the information contained in this documentation to be accurate at the time of publication and reserves the right to make improvements in the product described herein at any time and without notice.

The system requirements in this document apply to webPRACTICE running on InterSystems Caché. Caché is a mature product that is no longer under active development. InterSystems will issue its final maintenance release in the first quarter of 2027; technical support continues after that date, but security fixes and support for newer operating system versions will not. We recommend InterSystems IRIS — the successor to Caché — for new installations and for any site planning a hardware or operating system upgrade. IRIS continues to receive active development and ongoing certification against current operating systems. See *CGM webPRACTICE System Requirements Self-Hosted – IRIS*.

FULL SYSTEM REQUIREMENTS

CGM webPRACTICE customer configurations must meet the full system requirements as outlined in this document.

Server Specifications

When using CGM webPRACTICE in the self-hosted model, a server is required with hardware and software as outlined below.

Processor	Quad Core Intel® Xeon 3.0 GHz
Memory	16 GB RAM for Windows® 2019
Storage	Hardware RAID controller (RAID 5 or RAID 10 required) • Serial-attached-SCSI (SAS) drives • >= 250 GB available disk space <i>after</i> OS install
Operating System	• Microsoft® Windows® Server 2019 • Internet Information Services (IIS) installed onto drive C: with at least 20 GB free on the system partition. Caution: <i>Installation to Microsoft Windows Small Business Server (all editions) is not supported.</i>
Database Licensing (installed by CGM US)	New Servers only for new clients or re-installations - CGM webPRACTICE runs on InterSystems' Cache technology. InterSystems offers several license versions depending on the CPU count of your server: Windows® 2019 ○ 1 to 16 Cores – Entrée ○ Unlimited Cores – Elite ○ Unlimited Cores – Enterprise (Note that this is not the bare-metal CPU count, but the CPU count visible to the Operating System. Verify with your CGM US Sales Representative that you have the correct license version for your server.)
Network Connectivity Requirements	Must be able to communicate with https://*.emdscloud.com for address validation and multi-factor authentication functionality.

Server Specifications (cont.)

Internet Browser	Google Chrome Microsoft® Edge®
Video	Minimum resolution of 1024 x 768, 16-bit color
Network Adaptor	1000 MBPS Gigabit Ethernet
UPS	1000 VA (auto shut down capable)
Firewall	HIPAA-compliant firewall (see www.hipaa.org or www.hhs.gov/ocr/hipaa , for more information) • FTP (Outgoing, Ports 20, 21) • SSL (Bidirectional, Port 443)
Backup Device	Capacity of backup device should be equal to, or larger than, the total disk space to ensure a complete system backup can be completed.
Antivirus Software	Business version anti-virus solution recommended
Additional Software and Hardware	• Adobe® Reader® - current version • Microsoft® .NET Framework 4.7.2 or higher in addition to .NET Framework 3.5 with current Service Packs. • Java 8 (LTS) JDK - (Azul Zulu 8.68.0.21-CA-win64 OpenJDK Runtime Environment build 1.8.0_362-b09) • Microsoft® Excel or LibreOffice recommended • Anti-spyware recommended • Monitor, keyboard, and mouse

Client Computer Specifications

CGM webPRACTICE requires the following hardware and software for each client computer (Desktop, Laptop, and Tablet).

Processor	Intel® Core™ 2 Duo; 2.66 GHz; 3 MB; 1066 MHz FSB or faster
Memory	Minimum 16 GB RAM
Storage	80 GB formatted NTFS (SATA) – 40 GB Free after OS installation <i>Recommended: 120 GB formatted NTFS (SATA)</i>
Operating System	• Windows® 11 Pro • Mac OS Notes: 1. <i>If running multiple CGM US applications, see the requirements for the other CGM applications for compatibility acceptance.</i> 2. <i>For detailed specifications for Mac computers, see the Mac Computer Specifications section of this document.</i>
Internet Browser	Google Chrome Microsoft® Edge®
Video	Minimum resolution of 1024 x 768, 32-bit color
Network Adapter	1000 MBPS Gigabit Ethernet
Remote Support	When CGM US support must gain access to a client computer to provide assistance, a one-time, secure connection is established with that computer—the client user initiates the session, and, after the session is finished and closed, access to that computer is no longer available.

Client Computer Specifications (cont.)

Antivirus Software	Business version anti-virus solution recommended
Additional Software and Hardware	• Adobe® Reader® - current version • Microsoft® .NET Framework 4.7.2 or higher in addition to .NET Framework 3.5 with current Service Packs. • Microsoft® Excel or LibreOffice recommended • Anti-spyware recommended • Monitor, keyboard, and mouse

Note: According to the terms of your support agreement, you must allow CGM US remote access to your system so that we can provide technical support. When remote assistance is required, a one-time, secure connection is established with the appropriate client computer—the client user initiates the session and, once the session is finished and closed, access to that computer is no longer available. Only authorized CGM US personnel may access your system; no CGM US personnel will open, modify, or view Patient Health Information (PHI) documents or data not directly pertaining to the repair, troubleshooting, or maintenance of your CGM webPRACTICE application.

Peripheral Specifications

Printers

Interface	USB/Network
CGM Recommended	Laser printer that is connected through the network and managed by the server

Peripheral Specifications (cont.)

Desktop Scanners

For daily scanning tasks, a desktop scanner is required.

Feed Type	Multi-sheet / single sided
Interface	USB/Network
Driver	TWAIN Compliant - Note: compliant is different from compatible.
CGM Recommended	- Fujitsu FI-7160 or FI-7260 (or comparable model) - Xerox[®] DocuMate[™] 510 (or comparable model) - Panasonic KV-S1026C (or comparable model) Multi-function scanners and all-in-one fax/scanner/copier machines are not recommended. - EcoScan i4d or i6d Card Scanners (Insurance Cards, Drivers Licenses)

For CGM webSCAN and CGM Direct Scanning: A Twain compliant scanner must be installed on each workstation that will be using CGM webSCAN.

Note: compliant is different from compatible. **Recommended for CGM webSCAN[™]:** Inuvio EcoScan[®] i4d or i6d Card Scanners. The scanner must scan dual-sided and have auto-scan functionality that will automatically scan cards when inserted into scanner.

Internet Connection

CGM webPRACTICE products require a full- time, broadband Internet connection. The bandwidth speeds are the minimum recommendation for optimal experience with CGM webPRACTICE. If there is additional Internet traffic in the office, higher bandwidth may be required. For assistance in determining how much bandwidth your office may need to accommodate your scanning and image retrieval, please contact our Professional Services team at (803)-599-6246 Monday through Friday, 8 AM to 5 PM, Eastern Time.

Concurrent Users	Minimum Down
6 – 15	50 Mbps
16 – 50	75 Mbps
51 >	150 Mbps
The latency test average should not be > 70 ms.	

Notes: CGM US recognizes that you may want to use wireless network technology at your practice. Although this can provide an effective means of LAN communication, CGM US is unable to guarantee the reliability of this type of network infrastructure in conjunction with CGM webPRACTICE.

Multi-Factor Authentication (MFA) Specifications

If you elect to use MFA, CGM webPRACTICE requires the following for each individual user that will log on to CGM webPRACTICE.

Multi-Factor Authentication (MFA)	Mobile device for each User with one of the following MFA apps installed: • Microsoft Authenticator • Google Authenticator If you are unable to deploy a mobile device application, you can contact your Sales team to discuss using a Hardware token provided by CGM.
--	--

Mac Computer Specifications

CGM webPRACTICE requires the following hardware and software for each client computer (Desktop or MacBook).

Processor	Intel® Core™ 2 Duo; Core i3, Core i5, Core i7, Core i9, Intel Core M, or Xeon processor
Memory	8 GB RAM <i>Recommended: 16 GB RAM (for best performance)</i>
Storage	- SSD drive is recommended for better performance 600 MB on the boot volume (Macintosh HD) for Parallels Desktop application installation (<i>only if using CGM webSCAN</i>) 100 GB additional disk space for virtual machines (<i>only if using CGM webSCAN</i>)
Operating System	Current version Guest Operating System (<i>only if using CGM webSCAN</i>) Windows® 11 Pro (Parallels required) Notes: <i>If running multiple CGM US applications, see the requirements for the other CGM US applications for compatibility acceptance.</i>
Internet Browser	Google Chrome Microsoft® Edge®

Mac Computer Specifications (cont.)

Remote Support	When CGM US support must gain access to a client computer to provide assistance, a one-time, secure connection is established with that computer—the client user initiates the session, and, after the session is finished and closed, access to that computer is no longer available.
Antivirus Software	Business version anti-virus solution recommended
Additional Software and Hardware	• Adobe® Reader® - current version • Microsoft® .NET Framework 4.7.2 or higher in addition to .NET Framework 3.5 with current Service Packs <i>(Only if using CGM webSCAN)</i> • Microsoft® Excel or LibreOffice recommended • Anti-spyware recommended

CGM WEBTOOLS TECHNICAL REQUIREMENTS

When using any of the CGM webTOOLS products, the following specifications are required. The most current version of the Technical Requirements for each CGM webTOOL can also be found in *CGM webPRACTICE Help* in the in the *Technical Documents* folder located within the *Knowledge Tree* folder.

Server Specifications

Only the technical requirements that are in addition to the CGM webPRACTICE System Requirements are listed below.

	Details
All CGM webTOOLS	Must meet the current CGM webPRACTICE System Requirements. Must be running on the most current version of CGM webPRACTICE. Your Project Manager can provide you with the current version number.
CGM webVERIFY	Must be able to communicate with https://direct.emedixus.com .
CGM PAY	Network Requirements - The following site must be accessible: https://transportal.emedixus.com must be accessible from the CGM webPRACTICE server and workstations.

Client Computer Specifications

Only the technical requirements that are in addition to the CGM webPRACTICE System Requirements for each client computer (Desktop, Laptop, and Tablet) are listed below.

	Details
CGM webSCAN	Scanner: A Twain <u>compliant</u> scanner must be installed on each workstation that will be using CGM webSCAN. Note: compliant is different from compatible. Recommended: Inuvio EcoScan® i4d or i6d Card Scanners. The scanner must scan dual-sided and have auto-scan functionality that will automatically scan cards when inserted into scanner. Additional Software: .NET Framework 4.7.2 or higher in addition to .NET Framework 3.5 with current Service Packs.
CGM Direct Scanning	Scanner: A Twain <u>compliant</u> scanner must be installed on each workstation that will be using CGM webSCAN. Note: compliant is different from compatible.
CGM PAY	Internet Browser Cannot use Internet Explorer or Microsoft® Edge® in IE mode with CGM PAY. Network Requirements: https://transportal.emedixus.com must be accessible from the CGM webPRACTICE server and workstations.

TECHNICAL BACKUP INFORMATION

This information describes the files and directories, which must be backed up to ensure the ability to completely restore a CGM webPRACTICE system from backup in the event of a system failure, re-imaging, or hardware upgrade.

Completion of a backup includes verification of the backup completion and integrity, along with the periodic verification that the backup can be restored.

Full System Backup

A full system backup is a complete backup of all files on the system. This includes the operating system (e.g. Windows), the application (e.g. CGM webPRACTICE), and the data. Having a full system backup allows you to restore the system to working order in the shortest time possible since the operating system, data, and all programs are saved. A full system backup includes all files on all drives, local and networked (SAN, NAS, NFS, SAMBA, etc.), attached to the system.

Data Backup

A data backup stores the data files on the system which are changed regularly. Unlike the full system backup, the data backup does not back up the program files or the operating system. The data backup requires the existence of a full system backup or a complete reinstallation of the operating system and all associated programs to return the CGM webPRACTICE system to functionality.

A Data Backup must be completed daily.

- The database must be stopped before the backup is completed with the following **command**:
{Cache installation drive}:\cachesys\bin\css stop cache
- After the backup has completed, the Cache database must be restarted with the following command: {Cache installation drive}:\cachesys\bin\css start cache
- The following directories must be backed up daily to ensure that your system is adequately protected. All files and directories below the listed directory must be backed up daily:

Location	Contents
{Cache installation drive}:\CacheSys	Cache Database, and configuration
{Installation drive}:\PermlImages	EOB Scan images
{Installation drive}:\Transcription	Transcriptions
{Installation drive}:\CacheWeb	Required application files
{Installation drive}:\Remits	Electronic EOB (Insurance carriers)
{Installation drive}:\Reports	Confirmation reports for claims
{Installation drive}:\Claims	Claim files
{Installation drive}:\stmts	Statements
{Installation drive}:\TempImages	Temporary Images to be linked

PRE-INSTALLATION REQUIREMENTS WORKSHEET

CGM webPRACTICE Server Details

Server Name: (as reported by hostname command)	
Fully Qualified Domain Name:	
Server/Domain Administrator Username (You can designate a different login with administrative privileges other than Administrator.)	
Server/Domain Administrator Password:	
Hard Drive Capacity GB:	
Memory Installed GB:	
Windows Version: (including service pack)	
Drive letter where CGM webPRACTICE should be installed:	
Processor Type and Clock Speed:	
Number of Processors as interpreted by Windows System Information: (For example, a single Dual-Core processor would be 2 processors)	
Is a proxy server set up on your network?	☐ Yes ☐ No IP Address _____ Port _____



SYSTEM REQUIREMENTS COMPLIANCE

By signing below, Customer agrees to maintain the above-mentioned software and hardware at its business to interact efficiently with the CompuGroup Medical US application CGM webPRACTICE.

CUSTOMER

Signature: _____

Printed Name: _____

Title: _____

Dated: _____