Quentry | Technical Specifications

QUENTRY.COM

Securely access, share, and view medical data on the web. A supported web browser and Internet connection are required in order to use this service.

CLIENT REQUIREMENTS

Operating System	Microsoft Windows 10 MAC OS 10 or higher
Web Browser (Windows)	Microsoft Edge Mozilla Firefox 108 or higher Chrome 109 or higher
Web Browser (Mac OS X)	Mozilla Firefox 108 or higher Apple Safari 15.5 or higher Chrome 109 or higher
RAM	2 GB minimum
Software	Enable WebSockets protocol for the HTML Viewer to use two-way communication
Mouse	Scroll-wheel recommended
Display	1024 x 768 minimum resolution
Connection Speed	2 Mbit/sec upload/download minimum
Firewall	Open Outbound Port 80/443 (HTTP/HTTPS) with access to https://*.quentry.com
Cookies	Enable cookies (more details can be found in FAQ)

DATA COMPATIBILITY

DICOM modalities	MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT (for more details please see DICOM Conformance Statement)
Other file types	JPG, PNG, BMP, PDF, PPT, DOC, TXT, XLS, CSV, MP4, XML, STL, ZIP.

The above mentioned file types can be uploaded using the web-based upload function (quentry.com), while upload of additional file types are supported using Quentry Desktop (see following page).

DICOM image formats	Multi-frame and single-frame 8- or 16- bit grayscale, signed and unsigned 8 bit RGB and YUV, unsigned 8- or 16-bit palette color, signed and unsigned Little and Big Endian encoding RLE compression JPEG Lossless compression JPEG Lossy compression for 8-, 12- and 16-bit JPEG2000 Lossy compression JPEG2000 Lossless compression

> Quentry uses AWS services (https WebSockets) which also require direct network connection from sites. AWS maintain a list of IP range that should be white listed in order to allow proper communication. IPs of the following AWS services should be white listed:
> - API_GATEWAY for the following regions: eu-west-1, us-east-1, ap-southeast-2
> - CLOUDFRONT
>
> For more details please refer to https://docs.aws.amazon.com/general/latest/gr/aws-ip-ranges.html

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QUENTRY DESKTOP

Import and upload from local files, DICOM CDs, and PACS. Download and export to your workstation or PACS. An Internet connection is required in order to use this application.

CLIENT REQUIREMENTS

Operating System	Microsoft Windows 10 or higher
RAM	2GB minimum, 4GB recommended
Software	Microsoft .NET Framework v4.5 SP1 or higher
Storage	10GB available disk space (minimum)

INTERNET SETTINGS

Connection Speed	2 Mbit/sec upload/download minimum
Firewall	Open Outbound Port 80/443 (HTTP/HTTPS) with access to https://*.quentry.com

DATA COMPATIBILITY

DICOM modalities	Multiple including MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT (for more details please see DICOM Conformance Statement)
Other file types	JPG, PNG, BMP, PDF, PPT, DOC, TXT, XLS, CSV, XML, STL, XBRAIN, and ZIP.
DICOM services	Storage, Query/Retrieve, DICOM media

By default, DICOM images are transferred in their original format. JPEG Lossy compression may be optionally selected upon upload. Imported JPG, BMP and PNG images are converted to DICOM format when imported for optimal viewing using Quentry's web-based viewing applications.

DOWNLOAD INSTRUCTIONS

The Quentry Desktop application can be found on the Applications page on quentry.com and can be downloaded for free by all Quentry users. Certain features may require additional licensing. Please review installation instructions provided in the Quentry Desktop User Guide prior to installation.

An Internet connection is required in order to use the application. Quentry Desktop will automatically check for updates when started.

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QUENTRY GATEWAY

Search and import from PACS, or export from PACS and imaging modalities for upload to Quentry. Download and store to PACS from Quentry. An Internet connection is required in order to use this application.

SERVER REQUIREMENTS

Operating System	Microsoft Windows Server 2016/2019/2022
	Microsoft Windows 10 or higher
	All Microsoft critical updates and hotfixes must also be installed using Windows Update
RAM	2 GB minimum, 4 GB recommended
CPU	One or more processors with a recommended minimum speed of 1 GHz, 2GHz recommended
Software	Microsoft .NET Framework v4.7.2 or higher
	Internet Information Services (IIS) 7 / 8 or higher - Optional
	Windows Communication Foundation HTTP Activation - Optional
	Windows Communication Foundation Non-HTTP Activation - Optional
Storage	10 GB available disk space (minimum)

INTERNET SETTINGS

Web Browser (Optional)	Microsoft Edge
	Mozilla Firefox 108 or higher
	Google Chrome 109 or higher
	Apple Safari 15.5 or higher
Server OS	UAC must be disabled prior to installation using this procedure
Connection	2 Mbit/sec minimum, 10 Mbit/sec
Firewall	Open Outbound Port 80/443 (HTTP/HTTPS) with access to https://*.quentry.com

DATA COMPATIBILITY

DICOM modalities	Multiple including MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT (for more details please see DICOM Conformance Statement)
DICOM services	Storage, Query/Retrieve, DICOM media
	DICOM images are transferred in their original format.

DOWNLOAD AND INSTALLATION

Quentry Gateway is downloadable by Administrators of Quentry Business Accounts from the Applications page on quentry.com; optional installation by Brainlab is available. Please review installation instructions provided in the Quentry Gateway User Guide prior to installation.

If the Gateway Web Application and Gateway Service are installed on separate systems, **port 5200** must be opened between the hosts (5200 port is set as default, it is configurable).

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