

# 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 11 or higher

#### Web Browser (Windows)

Microsoft Edge  
Mozilla Firefox 122 or higher  
Chrome 120 or higher

#### Web Browser (Mac OS X)

Mozilla Firefox 115 or higher  
Apple Safari 17 or higher  
Chrome 120 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](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, HTML, LOG

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>

# Qentry Technical Specifications

## 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

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

## INTERNET SETTINGS

<b>Connection Speed</b>	2 Mbit/sec upload/download minimum
<b>Firewall</b>	Open Outbound Port 80/443 (HTTP/HTTPS) with access to <a href="https://*.qentry.com">https://*.qentry.com</a>

## DATA COMPATIBILITY

<b>DICOM modalities</b>	Multiple including MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT (for more details please see <a href="#">DICOM Conformance Statement</a> )
<b>Other file types</b>	JPG, PNG, BMP, PDF, PPT, DOC, TXT, XLS, CSV, XML, STL, XBRAIN, and ZIP.
<b>DICOM services</b>	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 Qentry's web-based viewing applications.

## DOWNLOAD INSTRUCTIONS

The Qentry Desktop application can be found on the Applications page on [qentry.com](https://qentry.com) and can be downloaded for free by all Qentry users. Certain features may require additional licensing. Please review installation instructions provided in the Qentry Desktop User Guide prior to installation.

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

# Quentry Technical Specifications

## 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

<b>Operating System</b>	Microsoft Windows Server 2016/2019/2022 Microsoft Windows 10 or higher All Microsoft critical updates and hotfixes must also be installed using Windows Update
<b>RAM</b>	2 GB minimum, 4 GB recommended
<b>CPU</b>	One or more processors with a recommended minimum speed of 1 GHz, 2GHz Recommended
<b>Software</b>	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
<b>Storage</b>	10 GB available disk space (minimum)

## INTERNET SETTINGS

<b>Web Browser (Optional)</b>	Microsoft Edge Mozilla Firefox 122 or higher Google Chrome 120 or higher Apple Safari 17 or higher
<b>Server OS</b>	UAC must be disabled prior to installation using <a href="#">this procedure</a>
<b>Connection</b>	2 Mbit/sec minimum, 10 Mbit/sec
<b>Firewall</b>	Open Outbound Port 80/443 (HTTP/HTTPS) with access to https://*.quentry.com

## DATA COMPATIBILITY

<b>DICOM modalities</b>	Multiple including MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT (for more details please see <a href="#">DICOM Conformance Statement</a> )
<b>DICOM services</b>	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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