PLUM
Medical Solutions

iQ-4CLOUD
PACS. PORTAL. TELERADIOLOGY.

Step into the cloud

Say goodbye to working with expensive, on-premise PACS and explore the benefits that cloud-based PACS have to offer. Medical facilities of all sizes can have some weight lifted off their shoulders by moving their medical images to the cloud and leaving the time-consuming IT tasks up to a professional service provider. This will not only result in significant cost savings, but also help you gain time to focus on what really matters – providing the best possible care for your patients.

If you are at the crossroads of deciding whether to stick with traditional onsite PACS or to opt for a cloud-based PACS solution for your healthcare institution, it is time to discover the advantages of iQ-4CLOUD.

Cost-effective
iQ-4CLOUD requires no expensive investment in software and hardware. Our simple and transparent payment plan allows for easy budgeting.

Scalable
iQ-4CLOUD can be flexibly tailored to your needs and easily grow along with the requirements of your medical facility.

Effortless
iQ-4CLOUD provides freedom from the hassle of IT maintenance reducing costs and responsibilities.
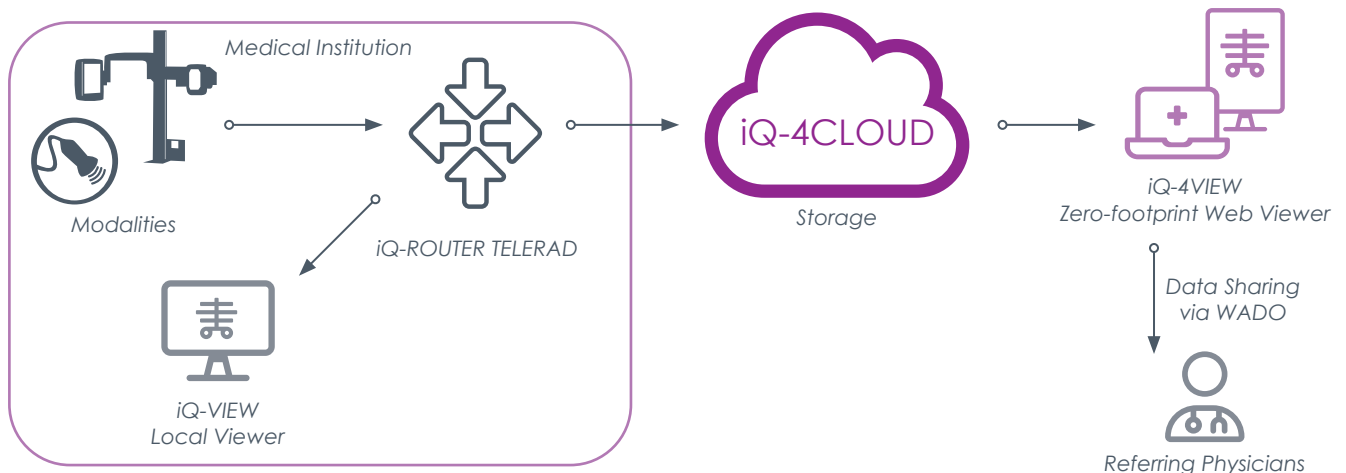
Secure
iQ-4CLOUD ensures secure and HIPAA/GDPR compliant image access anytime and anywhere. Data is available 24/7 including offsite backup.
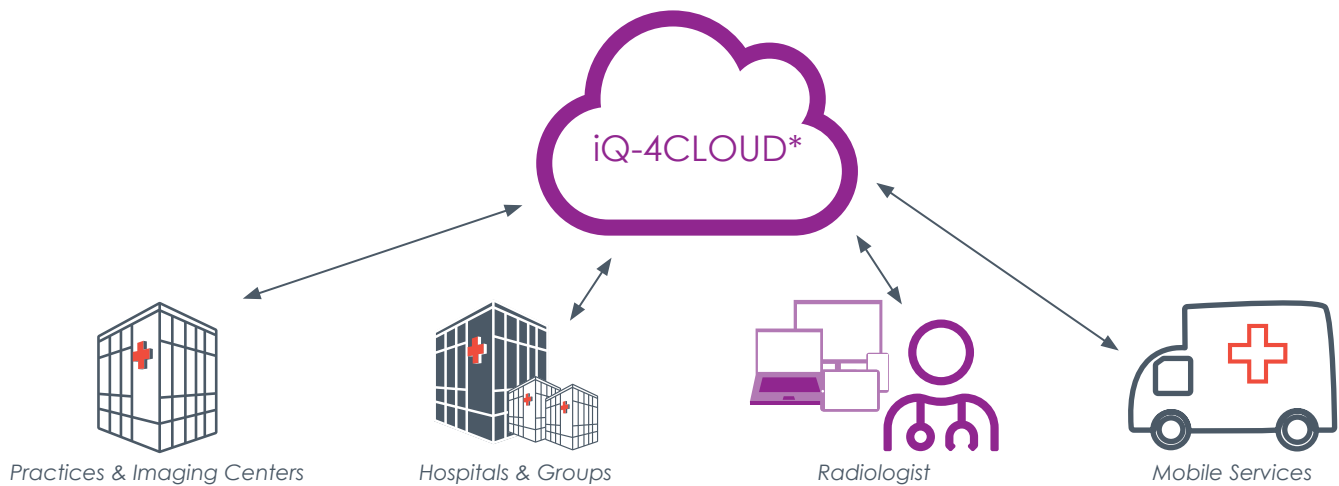
Reliable
Offsite data storage guarantees constant productivity from anywhere.

Local cloud setup

Medical Institution

Modalities

iQ-ROUTER TELERAD

iQ-VIEW
Local Viewer

iQ-4CLOUD
Storage

iQ-4VIEW
Zero-footprint Web Viewer

Data Sharing
via WADO

Referring Physicians

iQ-4CLOUD*

Practices & Imaging Centers   Hospitals & Groups   Radiologist   Mobile Services

PACS

Use iQ-4CLOUD as your central patient data repository and leave the long-term archiving up to this PACS solution to comply with your local data retention periods (e.g. 7 years in the USA or 10 years in Europe). Easily upload any DICOM studies and other medical documents to iQ-4CLOUD and enjoy speedy image access with the included diagnostic, zero-footprint viewer from any location and device, be it desktop computers, laptops, tablets or smartphones.

PORTAL

Take advantage of iQ-4CLOUD as a web portal for your referring physicians who can access their referred studies and reports in full diagnostic quality and have all required image processing tools at their fingertips. Access can be granted either via QR code, direct login or encrypted web links.

TELERADIOLOGY

In a teleradiology scenario, imaging centers can send any patient studies to a remote imaging specialist for reading and reporting purposes. iQ-4CLOUD enables the radiologists to access their cases from anywhere and anytime – and to return the respective findings just as easily.

BACKUP

Rely on iQ-4CLOUD as a backup solution for your local PACS to ensure the easy recovery of patient data in case of a disaster.

DATA SHARING

Healthcare groups can conveniently share medical imaging data across their different locations. Authorization-based access makes sure that patient data security is met at all times.

VET

Veterinary practices can use iQ-4CLOUD for viewing and sharing their animal patient studies - even integrated with the cloud-based practice management system ezyVet for a streamlined workflow.

Limitations: iQ-4CLOUD must not be used for breast screening, breast hanging and emergency reading.
* iQ-4CLOUD consists of CE and FDA approved components belonging to iQ-SYSTEM PACS - a picture archiving and communication system (PACS) for the management, retention, routing, analysis and review of medical images stored in proper DICOM format. iQ-SYSTEM PACS includes the components iQ-WEB, iQ-VIEW/PRO, iQ-4VIEW and iQ-ROUTER/PRO/PREMIUM.

Customize your cloud in 3 steps

1 Choose your iQ-4CLOUD edition

2 Select your institution's size

BASIC (Cloud only)
All you need for safe image storage and viewing.
Includes:
Hosted services for
- Web-based PACS server (iQ-WEB)
- Zero-footprint diagnostic viewer (iQ-4VIEW)
- Mobile viewer for basic web-based image viewing on tablets and smart-phones (iQ-WEB2GO)
- WADO LINK for sharing DICOM data via emails, SMS, QR codes, Whats-App (iQ-WEBX WADO)

Client site activation on a local PC/Server
- Speedy DICOM data transmissions, compression and workflow man-agement (iQ-ROUTER TELERAD; time-unlimited license)

PRO (Hybrid cloud)
Have the best of both worlds.
+ Add a local viewer (iQ-VIEW) for import, export, printing and CD/DVD burning of medical images and reports

PREMIUM (Integrated hybrid cloud)
+ Integrate your cloud storage with your practice management system (WADO, Worklist)

SELECT
Small facilities with CR/DR/US
- From 250 to 2,000 studies
- Up to 5 devices and 25 user accounts*

PRIME
Imaging centers with CT/MRI/MG
- From 1,000 to 10,000 studies
- Up to 10 devices and 50 user accounts*

ENTERPRISE
Large imaging centers or hospitals with PET/BTO(Tomo)/thin-slice CT
- From 5,000 to 50,000 studies
- Up to 20 devices and 100 user accounts*

* Not concurrent users

3 Choose your study volume

500 | 1,000 | 2,000 or more studies? – PAY PER USE
With our pay-per-use model, you only pay for the number of studies that are actually uploaded and stored in the cloud. Simply estimate your amount of studies needed per year and choose the **Prepaid Study Package** that suits you best.

Prepaid Study Packages are valid for one year. Any studies that are not consumed within that timeframe will be carried forward onto the subsequent study package.
In the opposite case that you exceed your study volume, you or your reseller will be notified that a new (maybe larger) Prepaid Study Package is needed.

After selecting and acquiring your iQ-4CLOUD package, our support specialists will take care of the setup and provide you with the respective user accounts.

What about legacy studies?

During the first month after your cloud account start date, you can upload your legacy studies at a special rate.
After that, all uploaded studies will be treated as regular studies and deducted from your Prepaid Study Package.

How long is my data hosted?

Your data will be stored up to 7/10 years** in our data center as long as a continuous Prepaid Study Package is active and in place. If you decide not to renew your Prepaid Study Package anymore (by informing us 6 weeks prior to the end of your package's validity period), you can retrieve your hosted data at cost within 30 days after your package expired. Afterwards, hosted data will be deleted and cannot be retrieved anymore.

** 7 years in the United States of America and 10 years in the European Union

Included

- **WADO:**
  This optional interface allows to share medical results, imaging studies and reports with patients, referring or external reading physicians e.g. via QR code, WhatsApp or email.

- Non DICOM data upload
- Data download

Additional*

- 3D MPR
- Forward data to another cloud or PACS
- Query/retrieve another cloud or PACS
- HL7
- ezyVet
- iQ-SR2PDF CONVERTER
- Others by request

* At additional cost

**WADO QR:
Try it out**

USA

- MD Today Urgent Care operates two urgent care clinics
- Purchased package: **iQ-4CLOUD BASIC SELECT 2000**
  - Up to 5 modalities
  - Up to 25 user accounts
  - 2,000 studies per year

Netherlands

- De Verwijskliniek in Bergen op Zoom is a private VET clinic for orthopedic surgery
- DR and CT with about 1,000 studies per year
- Unable to invest in local hardware, maintenance and support
- Images need to be made available to an external expert for second opinion
- Purchased package: **iQ-4CLOUD BASIC PRIME 1000**
  - Up to 10 modalities
  - Up to 50 user accounts
  - 1,000 studies per year

Germany

- Clinic Bel Etage in Düsseldorf is a private clinic specialized in motion-preserving joint surgery
- Purchased package: **iQ-4CLOUD BASIC PRIME 2000**
  - Up to 10 modalities
  - Up to 50 user accounts
 - 2,000 studies per year

Australia

- Hartley Valley Vets is a private veterinary clinic catering to small animals, farm animals and horses
- DR and US, in-the-field radiology services for horses
- Purchased package: i**Q-4CLOUD BASIC SELECT 500 + ezyVet integration**
  - Up to 5 modalities
  - Up to 25 user accounts
  - 500 studies per year

For a LIVE demo – from any computer, tablet or smartphone –
*please visit **www.iq4cloud.com***
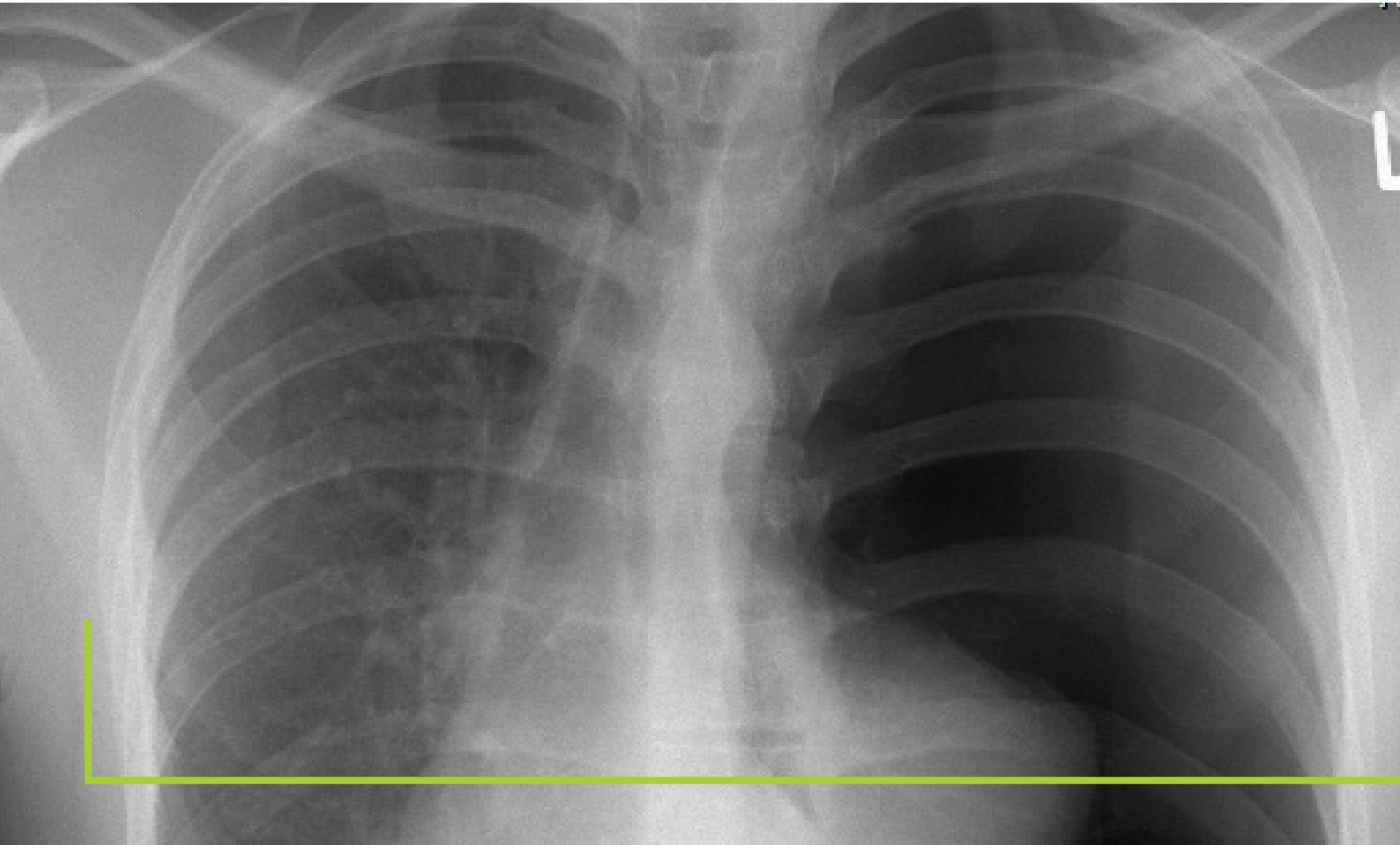
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Security measures
- Software maintained on separate servers for maximum reliability
- Use of secure programming techniques
- Monthly cyber security checks, including risk analysis
- Continual code analysis as part of our internal development cycle
- Always up-to-date antivirus
- Application whitelisting
- Periodic security patches are automatically applied
- All system access and procedures are logged, as per HIPAA regulations
- Operated by highly-trained, qualified staff

Please note our Cyber security flyer for differences between worldwide countries & regions like Africa, America, Asia, Europe and more.

Legal implications and certification
- Servers located and operated in the USA, Europe and India
- All software is CE certified according to ISO 13485 and cleared by the FDA 510(k) as medical device software

Technical product environment
- Telerad ROUTER: Windows 10, 11, Server 2016, Server 2019 or Server 2022. See iQ-ROUTER product specifications for further details.
- Viewing client: Web browsers are platform independent, e.g. any newer version of Google Chrome, Firefox, Safari, Internet Explorer on Windows, iOS, MacOS, Android systems.
- iQ-VIEW/VET-VIEW: Windows 8.1,10 or 11. See iQ-VIEW/VET-VIEW product specifications for further details.

Hardware requirements
- Telerad ROUTER: 4 GB RAM, 10 GB free hard disc cache for images
- Viewing Client: 4 GB RAM, 10 GB free hard disc cache for images
- iQ-VIEW: 4 GB RAM, 10 GB free hard disc cache for images

Internet connection
- Download min. 128 KBit, >=1024 KBit recommended
- Upload min. 32 KBit for CT, min. 128 KBit for xray, >=256 KBit recommended

Cyber Security

Legal
- Servers located and operated in the USA, Europe and India
- All software is cleared by the FDA 510(k) as medical device software (GUDID B403IQS140)

Product life cycle
- Software maintained on separate servers for maximum reliability
- Use of secure programming techniques
- Monthly cyber security checks, including risk analysis
- Continual code analysis as part of our internal development cycle
- Always up-to-date anti-virus
- Application whitelisting
- Periodic security patches are automatically applied
- All system access and procedures are logged, as per HIPAA regulations
- Operated by highly-trained, qualified staff

Communication
- ISO 13485 certified medical device communication process
- Consolidated issue tracking system
- Secure communication with DICOM TLS/SSL authentication using digital certificates
- SSL web server
- Two-factor authentication

Storage
- Redundant and encrypted storage
- Operation in a secured data center in New York
- Backup to a location >100 miles away

Product Properties
- Documented interfaces
- Only use of required system applications
- Periodic data integrity checks
- Sessions are secured and separated
- Automatic timeout of sessions
- Automatic notification of users to avoid performance reduction