

Data Sheet

Universal viewing and image exchange with real-time collaboration

IBM iConnect Access

Medical imaging is one of the costliest components of patient care. Data from the American College of Radiology (ACR) indicates that diagnostic imaging accounts for 10% (\$100 billion) of total annual healthcare costs¹. Researchers at Brigham and Women's Hospital in Boston² have estimated that a significant portion of diagnostic imaging— nearly 9% — is unnecessary or redundant.

There is ample research demonstrating that image exchange can reduce unnecessary redundancies, and provide other compelling value, including:

- Cost reduction: A New York Health Information Exchange (HIE) reduced the adjusted odds of repeat imaging by 25% by providing access to outside medical images through the HIE.³
- Patient care improvements: Lack of access to outside imaging in trauma transfers can lead to significant delays in treatment (up to 25 min, according to one study), which can negatively impact patient outcomes, and increase costs.⁴
- Patient satisfaction increases: Patients involved in the RSNA Image Share Project reported an increase in both patient satisfaction and their positive perception of their relationship with their physician.⁵



How IBM iConnect Access can help

IBM iConnect® Access is a zero-footprint universal viewer that allows for real-time image sharing and exchange, helping to complete the longitudinal patient record. Combining image exchange tools with the universal viewer and its robust API, IBM iConnect Access enables seamless workflows for all imaging needs. In addition, regardless of source or content, IBM iConnect Access can deliver data as DICOM, or in its native format (jpeg, pdf, mp4, etc.) as XDS, in a single pane of glass.

It enables real-time collaboration so that multiple users, in and outside of the enterprise, can view the same session. All users within each session maintain their own browser resolution, allowing radiologists to access the diagnostic quality they need without being limited by other participants' low-resolution monitors.

IBM Watson Health interoperability solution

IBM Watson Health's interoperability solution which includes IBM iConnect® Enterprise Archive and IBM iConnect Access, provides advanced capabilities designed to help healthcare organizations seamlessly ingest, manage, store, view, share and exchange imaging-related healthcare data.

They enable users to leverage existing applications and widely-used web and healthcare technology standards to create a vendor-neutral, interoperable environment that enhances collaboration. In addition, with IBM Watson Health, patients are more engaged with their care by actively sharing pictures, videos, etc., with their physicians who can then add this information to the EHR record.

IBM iConnect Enterprise Archive

Stores, manages and shares all DICOM, non-DICOM images from disparate PACS, specialties and service lines.

IBM iConnect Access

Shares and exchanges images with a zero-download web viewer across the enterprise and community.

IBM iConnect Access empowers you to:

- Leverage unlimited use of the zero-client web uploader, exam importer client and access gateways for image exchange and reconciliation
- Integrate MIP, MPR, curved MPR, color volume renderings, sculpting, segmentation, and calcium scoring
- Utilize IHE profile support for DICOM, XDS, XDS-I, XDS-I.b, XCA-I, XDS-SD, ATNA, CT, PIX/PDQ, and BPPC
- Enable user preferences with the new universal interface in addition to the existing enterprise viewer user interface
- Image enable your patient portals to allow patients seamless and easy access to their information

The optional IBM iConnect Access 3D advanced imaging module of IBM iConnect Access 8.0 offers the following:

- Supports MIP (maximum intensity project), MPR (multiplanar reconstruction), 3D volume rendering, and cardiac calcium scoring
- Reading physicians, referring physicians, and other appropriate healthcare personnel and can employ advanced image processing and display from local or remote locations
- 3D images rendered with the IBM iConnect Access 3D advanced imaging solution can be exported as STL digital files suitable for the fabrication of physical replicas using DICOM files as inputs, for educational use only

About IBM Watson Health

Each day, professionals throughout the health ecosystem make powerful progress toward a healthier future. At IBM Watson Health, we help them remove obstacles, optimize efforts and reveal new insights to support the people they serve. Working across the landscape, from payers and providers to governments and life sciences, we bring together deep health expertise; proven innovation; and the power of artificial intelligence to enable our customers to uncover, connect and act — as they work to solve health challenges for people everywhere.

To learn more about how you can benefit from the iConnect platform's scalability, including simple image viewing, enterprise-level management and integration of diverse image sources, and applications, visit ibm.com/watson-health/learn/interoperability-in-healthcare

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*IBM iConnect Access is not FDA cleared for diagnostic use on mobile devices.

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