

Conserus™ Clinical Data Exchange 1.1 Access images and clinical documents anywhere anytime

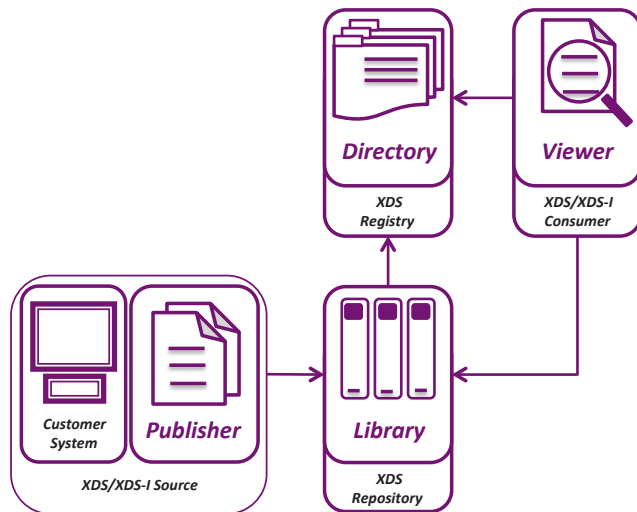


Figure 1

Conserus™ Clinical Data Exchange Family of Products.

Benefits

Conserus™ Clinical Data Exchange helps organizations:

- Collaborate within an ACO model
- Centralize non-DICOM documents
- Improve continuity of patient care
- Reduce or eliminate:
 - Portable media
 - Duplicate exams
 - Redundant radiation
 - Unnecessary patient transfers
- Publish studies from any PACS
- Conform to patient consent rules (BPPC IHE integration profile)

Patient care information is available now more than ever. While healthcare providers have the option of sharing images and related clinical information by phone, fax, mail, or portable media — these methods are inefficient considering the increasing volume of available information. Clinicians need timely access to more of the patient’s longitudinal

record from a single user interface, regardless of where the patient originally received care. Conserus™ Clinical Data Exchange family of products helps meet this need (*see figure 1*).

Conserus Clinical Data Exchange offers a patient-centric approach in an effort to reduce manual



Features

Conerus™ Clinical Data Exchange includes:

- Standards-based infrastructure
- Modular or enterprise deployment model
- Ability to share DICOM and non-DICOM documents between disparate healthcare enterprises
- Single view of patient images and related clinical documents
- Remote system monitoring and evaluation
- Single sign-on within an enterprise
- In-context access from any EMR or PACS via CDE Viewer
- Virtualized deployment, including the database

workflows, liberate clinical data, and share the patient's longitudinal record, regardless of where the patient receives care.

Conerus Clinical Data Exchange family of products support a standards-based solution to facilitate management and sharing of the patients' published electronic health records, including DICOM images and related non-DICOM clinical documents from multiple 'ologies'. Conerus leverages XDS and related technology provided by our partner, Forcare, an industry leading XDS software provider (*see figure 2*).

As such, Conerus Clinical Data Exchange family of products enables healthcare providers to share patient electronic health records from multiple departments and facilities within the healthcare enterprise, or across the region.

Conerus Clinical Data Exchange consists of the following products:

- *CDE Publisher* provides a means to submit documents and associated metadata to the Library
- *CDE Library* offers registration capabilities for document metadata and pointers from the Publisher with the Directory. Also helps to store documents and responds to document retrieval requests from the Viewer
- *CDE Directory* provides the ability to store information about published documents received from the Library so that documents of interest may be easily found, selected and retrieved by the Viewer
- *CDE Viewer* queries the Directory. Retrieves and presents documents for a specific patient from the Library via a web-based user interface

- *CDE Tracker* offers standardized logging of all relevant activity in the connected systems, providing detailed information on who accessed what information at what time via a web-based user interface

- *CDE Admin Console* provides a web-based user interface for module configuration and log viewing

- *CDE Connector* provides support for cross-community document access between Conerus and 3rd party systems leveraging XCA and XCA-I for document sharing

How It Works

We recognize that every hospital has unique processes and needs. As such, Conerus offers a modular or enterprise deployment model, where healthcare organizations may deploy only the required products to join an existing standards-based health information exchange. Alternatively, healthcare organizations may deploy all the Conerus Clinical Data Exchange family of products across the enterprise or region, creating their own health information exchange, implementing a centralized or decentralized approach to information access.

Conerus Clinical Data Exchange utilizes a multi-tier repository for data stored using XDS, XDS-I, DICOM and HL7 standards. It provides the sharing infrastructure that is safe, manageable, flexible, and can be deployed in any environment, irrespective of the incumbent PACS or VNA vendor. Integration with external systems is supported through standard means and protocols such as HL7, DICOM, XDS, XDS-I, XCA and WADO.

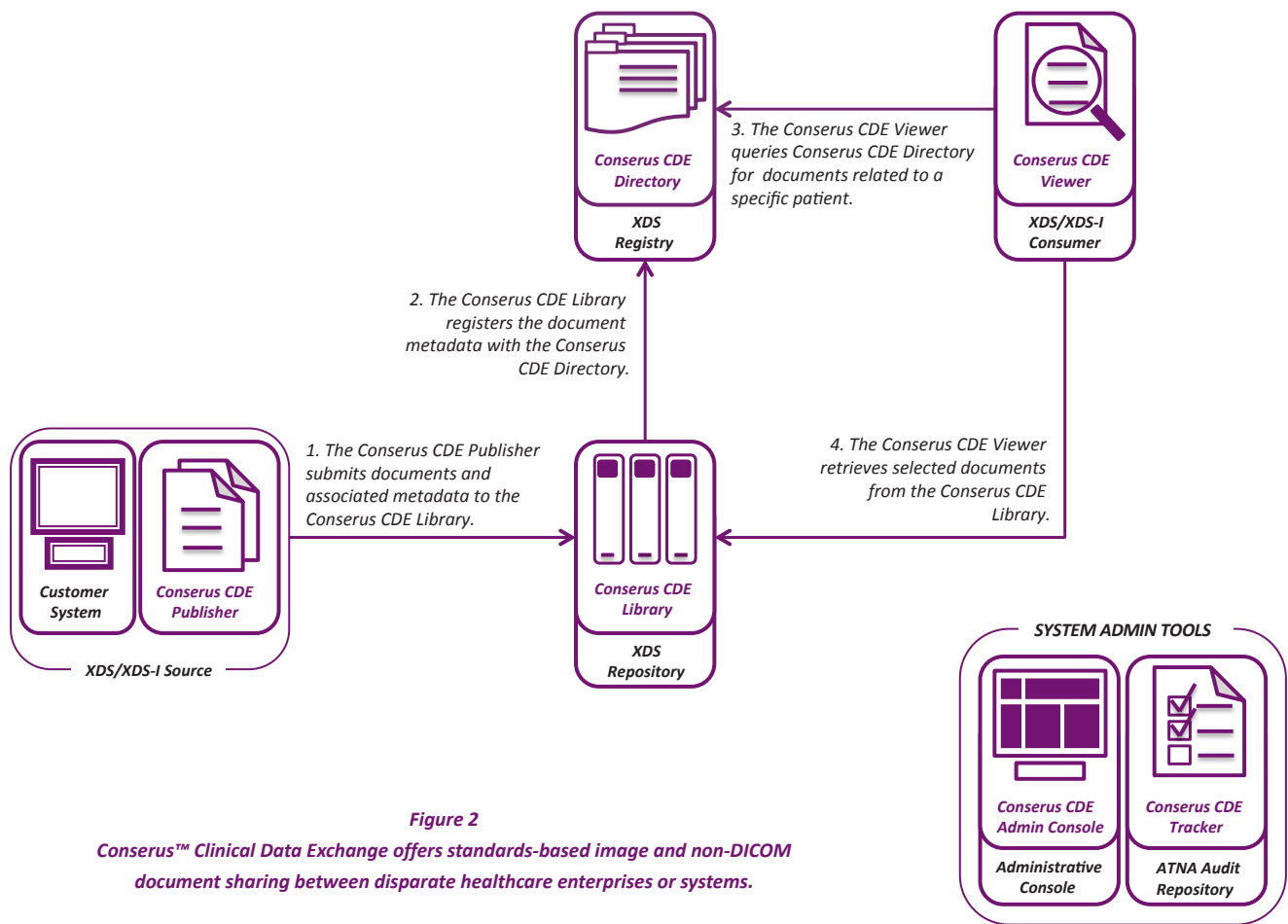


Figure 2
Conserus™ Clinical Data Exchange offers standards-based image and non-DICOM document sharing between disparate healthcare enterprises or systems.

All Conserus Clinical Data Exchange family of products can be implemented in a virtualized environment, including a shared database deployment between the PACS and CDE databases (under specified load), to help reduce operating costs while also helping to enhance patient care.

Conserus Clinical Data Exchange offers a powerful and flexible combination of sharing infrastructure alongside the Clinical Data Exchange Viewer, a web-enabled document viewer that supports information management, preserves document neutral format, and is ubiquitously accessible across the enterprise.

The Clinical Data Exchange Viewer supports single sign-on within an enterprise as well as in-context access from 3rd party applications like a PACS or an EMR. In addition, Conserus Clinical Data Exchange supports publication from any PACS while conforming to important patient consent rules based on the IHE BPPC integration profile.

Connect for Better Health

Better access to images and related documents can help lead to better health for your organization and better outcomes for your patients. Conserus Clinical Data Exchange offers a sharing infrastructure across enterprises while preserving

patient data integrity when working in a multi-patient ID environment. This facilitates better continuity of patient care by giving your clinicians the ability to collaborate, share, and access the complete longitudinal patient record, including all prior and current published imaging studies and clinical documents across enterprises regardless of origin – all from a single interface. This can ultimately help lead to the elimination of duplicate exams, unnecessary patient transfers, and redundant radiation exposure.

Implementation and Support

We have the necessary expertise in both the clinical and storage areas of our business to plan an implementation that supports both. Conserus's expert Services team offers a turnkey approach to

implementation, from designing and planning the Conserus Clinical Data Exchange infrastructure, to solution configuration and implementation. Your health information exchange solution is designed for your requirements. Our expert Services team will partner with you through all the phases of system implementation.

After implementation, you will still receive the support you need. Our Services team will transition the care of the Conserus Clinical Data Exchange system to our dedicated remote support team as part of the project plan. Our Support team has quick access to a wide range of resources, as needed, to best support your Conserus Clinical Data Exchange family of products.

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