Viaduct
Delivering better patient care through interoperability

Turning data into knowledge
Better use of technology and data is a prerequisite for reshaping health and healthcare systems. Due to increasing demand and constrained resources, these systems are at the center of the healthcare delivery transformation.

DXC Technology’s Digital Health Platform powered by Viaduct addresses one of the biggest digital challenges by enabling the flow of complex and fragmented data from disparate applications. Viaduct’s robust, scalable and flexible package simplifies the effort of bringing together high volumes of complex data into a single view. The solution also complies with regional healthcare regulations.

With Viaduct, you can:
• Give healthcare professionals and providers access to all the data, information and knowledge they need
• Understand how well or poorly care is being delivered
• Drive innovation and support growth
• Support healthcare professionals in making the best use of data and technology

Solving the interoperability challenge
Few healthcare organizations have fully integrated electronic medical records (EMRs) across the care continuum. Systems unable to communicate with one another can create roadblocks, preventing the flow of critical patient information and having a negative impact on patient treatment, health outcomes and costs.

Coordinated care can be achieved only through seamless exchange of relevant patient information in a timely, secure and efficient manner.

In other words, through interoperability.

Viaduct addresses complex interoperability challenges:
• Provides an easy-to-use platform for information sharing among healthcare IT systems, regardless of technology and standards
• Simplifies the development of complex integration environments, through an intuitive user interface
• Uses service-oriented, teamwork-enabled design and deployment methodology that runs on all platforms and devices
• Builds on legacy systems to enable enterprise application integration (EAI) and facilitate a service-oriented architecture (SOA)
• Simplifies the bringing together of high volumes of complex data into a single view, with a robust, scalable and flexible package

• Complies with regional healthcare regulations (Meaningful Use Stage 2, 2014 — Ambulatory and Inpatient Modular Electronic Health Record [EHR] certification)

**Key features**

• Viaduct Studio: Offers tools — all in one location — for designing, developing, debugging and deploying Viaduct processes. The runtime is a container into which Viaduct processes are deployed for execution

• Data providers: Fully supports and enables a SOA through multiple supported protocols, including Health Level Seven International (HL7), Transmission Control Protocol (TCP), File, HTTP(S), Web Services, FTP(S), email (SMTP, POP3 and IMAP), database, Java Message Service (JMS), process-to-process, and many others

• Has core enterprise service bus services and information consumption

• Uses a Web-based console for administering, managing and monitoring both Viaduct runtimes and deployed Viaduct processes

**A proven solution**

Viaduct delivers the horsepower of a robust, scalable, flexible and intuitive interface engine in an easy-to-use package.

Viaduct currently handles more than 15 million messages per day, connecting more than 25 messaging types with 30-plus systems, including EMRs and health information exchanges.

Learn more at [www.dxc.technology/healthcare](http://www.dxc.technology/healthcare)