

RED HAT INTELLIGENT DATA-AS-A-SERVICE SOLUTION FOR HEALTHCARE

BROCHURE

62% of health systems are not using patient information outside their own electronic health records.¹

“We needed a paradigm shift—for us and our customers. We needed to move from limited data visibility to real-time visibility.”²

NICOLAAS BOTES
EXECUTIVE DIRECTOR OF
ENTERPRISE ARCHITECTURE, TMG

INDUSTRY OVERVIEW

For healthcare organizations (HCOs), regulatory programs, such as value-based payment models, population health programs, and precision medicine, add a new level of complexity. These initiatives require effective communication and data access from multiple sources, including smart devices and electronic health record systems. Seamlessly storing, integrating, and managing healthcare data is another challenge.

MODERN DATA MANAGEMENT

To address these data management requirements, HCOs need an architecture that can process data from various sources and route information to a wide variety of new destinations. This modern architecture must also reconcile disparate operational data across the enterprise into a new, agile information resource. Data-as-a-Service can help.

Data-as-a-Service treats data as a product with its own life cycle. It provides data on demand to the user, regardless of geographic or organizational separation from the provider. Access to the data is controlled and improved through data services, which requires a single point for updates. This approach helps organizations move quickly since extensive knowledge of the underlying data is not required. Data providers can then build the base with data experts and outsource the presentation layer for cost efficiency.

RED HAT'S INTELLIGENT DATA-AS-A-SERVICE (IDAAS) SOLUTION FOR HEALTHCARE

Red Hat's Intelligent Data-as-a-Service (IDaaS) solution provides inbound connectors, message consumption, a business rules engine, an action engine, federated access to data sources, caching, and outbound connectors. Red Hat's IDaaS emerged from a large community of experts who are passionate about solving 21st-century healthcare problems and making them less costly.

Red Hat's IDaaS is useful in a number of healthcare scenarios:

- Identifying patients for integrated-care programs
- Creating a patient finder to identify patients with potential diseases
- Evaluating drug efficacy based on real-world data
- Reporting misuse of drugs
- Integrating personal health records
- Benchmarking for risk-adjusted hospital productivity
- Stratifying risk

¹ “Epic Systems and MEDITECH Rise Atop Black Book 2018 Survey of Inpatient EHR Client Satisfaction Joining Cerner and CPSI.” Black Book Market Research. 2018. <https://blackbookmarketresearch.newswire.com/news/epic-systems-and-meditech-rise-atop-black-book-2018-survey-of-20441584>

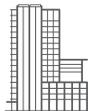
² “TMG Health accelerates to real-time data access for clients.” redhat.com. 2016. <https://www.redhat.com/en/resources/rh-tmg-health-data-access-case-study>

Red Hat's IDaaS architecture features products from the Red Hat® Middleware suite to provide a low-cost, lightweight infrastructure. This architecture includes:

- **Red Hat Data Grid**, Red Hat's in-memory data grid solution, elastically scales applications by providing fast and reliable access to frequently used data.
- **Red Hat Fuse**, a lightweight Apache Camel-based integration engine, reduces the pain of connecting applications, services, processes, and devices for comprehensive, efficient solutions for formats including Fast Healthcare Interoperability Resources (FHIR) and Health Level 7 (HL7).
- **Red Hat Decision Manager**, a business rules management system, combines business rules and complex event processing technologies from the Drools community project into a single integrated product.
- **Red Hat Process Automation Manager** is a business process management platform for developing, deploying, and managing process-driven business applications.
- **Red Hat AMQ** is a standards-based, reliable, open source messaging platform that allows real-time communication among applications, services, and devices.

Red Hat's open source development model is a fast, highly innovative, cost-efficient approach to making software that is well-suited to the critical IT demands of the healthcare industry. Learn more at red.ht/health.

ABOUT RED HAT



Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.



facebook.com/redhatinc
@RedHat
linkedin.com/company/red-hat

NORTH AMERICA
1 888 REDHAT1

**EUROPE, MIDDLE EAST,
AND AFRICA**
00800 7334 2835
europe@redhat.com

ASIA PACIFIC
+65 6490 4200
apac@redhat.com

LATIN AMERICA
+54 11 4329 7300
info-latam@redhat.com