

The Decision-Maker's Guide to FHIR

Buy off-the-shelf, partner up, or build it yourself?

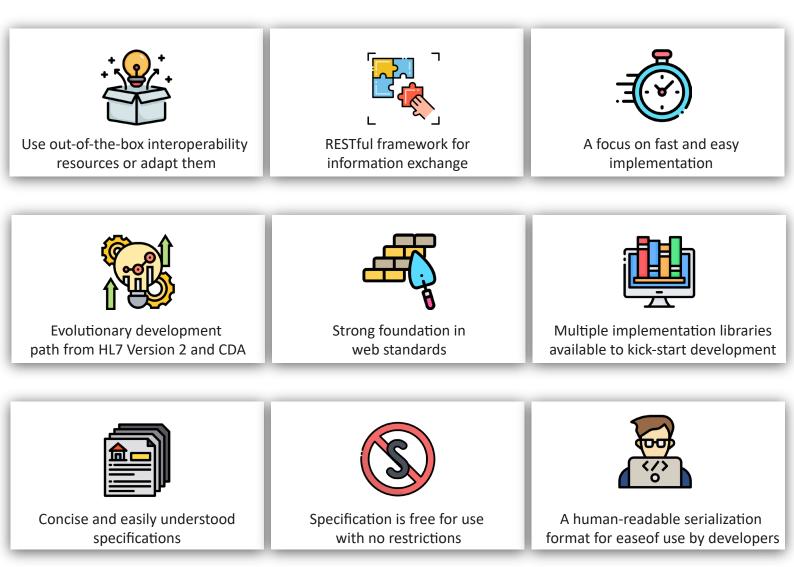
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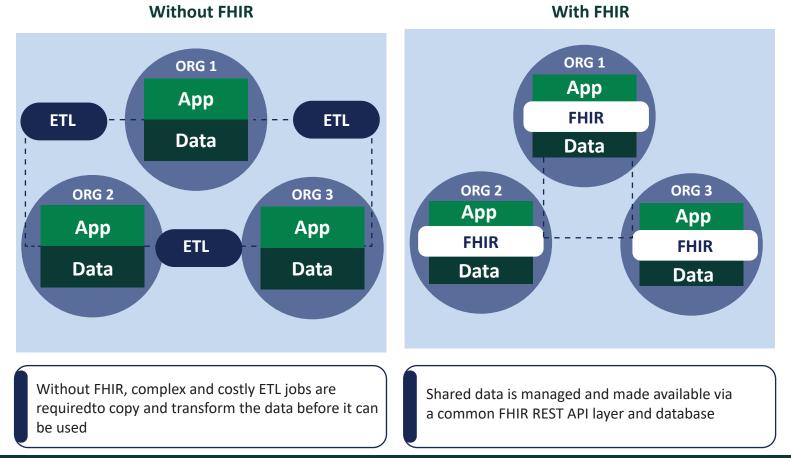
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The Benefits of FHIR

HL7 FHIR (Fast Healthcare Interoperability Resources) is a data standardthat promotes secure and easy healthcare information sharing.

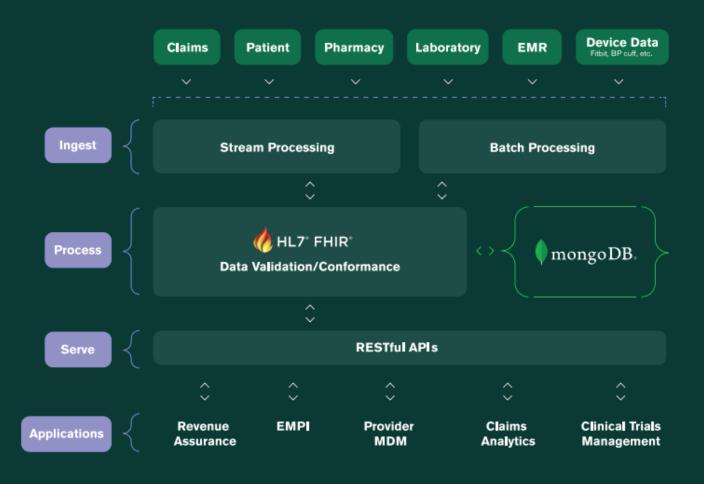


FHIR provides a new way to share and manage data simplifying development, reducing data silos, and ultimately moving healthcare to an interoperable model.



FHIR Architecture Fundamentals

Your FHIR solution typically contains four layers:



www.exafluence.com

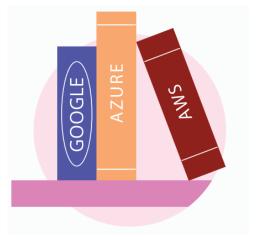
For decision-makers, your FHIR solution comes down to one of three options:

Build It Yourself

Build your own FHIR solution, including the API. Best for large organizations with experienced development teams.

Although this option offers unlimited flexibility, wouldn't your teams be better off developing customer-facing apps and services, rather than maintaining your FHIR solution?





Use Off-the-Shelf Softyare

Google Cloud Healthcare API, Microsoft Azure API for FHIR, and AWS FHIR Works all offer FHIR API and database solutions.

This can be the fastest way to spin up your FHIR solution, but there are drawbacks:

- Cloud only (no on premises)
- Vendor lock-in and no multi-cloud flexibility
- Limited access to underlying database
- New application and/or custom development might be limited

Use a Customizable Turnkey Solution

The middle ground between off-the-shelf and build it yourself. Combine a purpose-built API and the ideal database for FHIR, MongoDB, gaining:

- Deployment flexibility (on premises, cloud, multi-cloud)
- Integration with legacy systeml
- Flexibility to develop additional solutions on top of your data



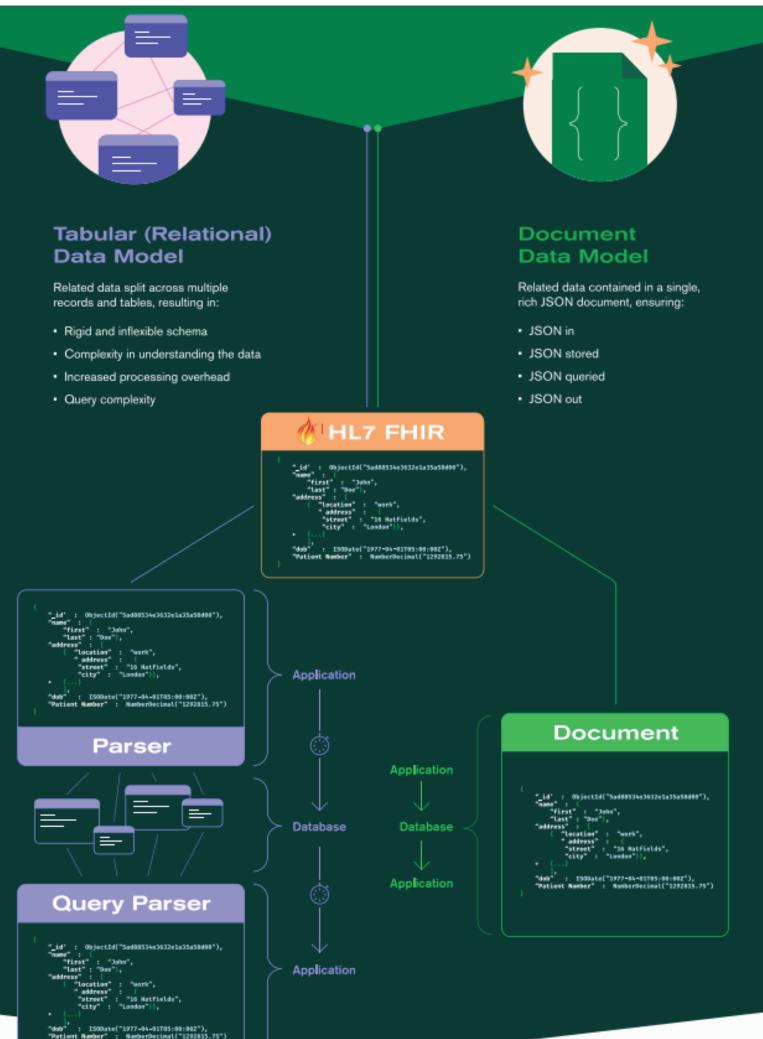
EXAFLUENCE Data Driven Influence

For an all-in-one FHIR solution, MongoDB has partnered with FHIR experts Exafluence to offer:

- Support for real-time and batch-data ingestion
- Smart integration with automated mapping to the native FHIR format
- Flexible deployment options ^multi-cloud, on-premises]
- Native FHIR data in MongoDB to extend and build to suit your business

To get the most from FHIR and truly embrace interoperability, the data platform you choose must natively support FHIR's JSON data format.

This makes MongoDB's document data model, with its native JSON support, an ideal FHIR companion.

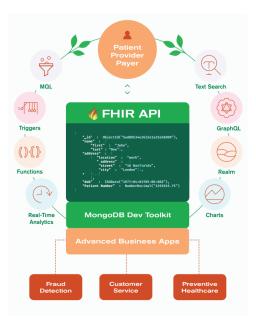


MongoDB:

Do more with your FHIR data

Why buy and build a technology that's already a part of the underlying MongoDB platform?

Use MongoDB s toolset to develop value-add business solutions on the FHIR-native dataset without ETL

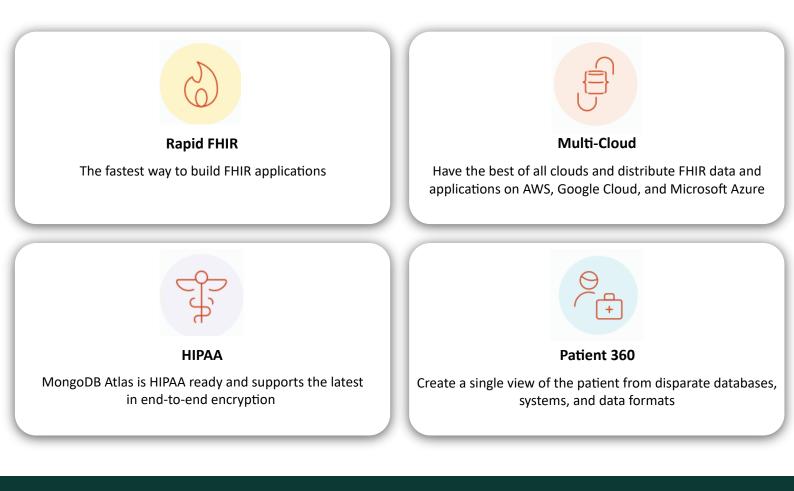


MongoDB and MongoDB Atlas:

FHIR from the cloud to the edge and on premises

With native JSON support, as well as ad hoc queries, indexing, and real-time aggregation to access and analyze your data, MongoDB is uniquely suited to FHIR and an interoperable future.

And with MongoDB Atlas, MongoDB's global cloud database service, your FHIR applications and data are free to work across multiple clouds.



Find out more at ExfHealth.io

Learn More