iINTERFACEWARE & Kainos Evolve

A collaborative approach to FHIR
Since 1997, INTERFACEWARE’s focus has been on creating business impact through integration for healthcare organizations. Today, over 800 healthcare providers and software companies rely on our software and services for their enterprise integration needs.

**ABOUT:**

**PRODUCT:**

Our 94.6% KLAS-rated integration engine, Iguana enables the integration of EHRs, Billing Systems, Medical Devices and any other healthcare application.

Iguana features a truly unique approach to healthcare integration – the patented Translator development environment.
Integration
It’s about handling fast transactions

Data In
Data comes in from a sending system.

Translation
Data is translated from one format into another.

Data Out
Data is sent out to a receiving system.

TRADITIONAL DEVELOPMENT ENVIRONMENTS aren’t optimized for this workflow.
What makes the Translator different?

THE ENTIRE TRANSACTION IS RUN FROM START TO FINISH

With the use of sample data, the Translator gives remarkable insight into each stage of the transaction (data in, translation, data out).
Annotation windows minimize development and testing time by displaying exactly how your data is affected by your code in real-time without having to compile.
Data-Driven Auto-completion

The Translator’s auto-completion is driven by both data and grammar. When combined with annotation windows, interface development and maintenance is up to 90% faster than other solutions.
Kainos develops digital technology that helps people work smarter, better and faster. They create bespoke solutions for public and private organizations all over the world and build innovative software products that make life easier for their clients.

**PRODUCT:**

The Evolve Integrated Care platform helps healthcare organizations optimize care pathways, ensuring everyone involved in the patient's care has access to information that is complete, accurate and timely.
The Problems

Many EMR's offer bulk data extracts in the form of CSV files. How can we access and use that data?

The data transfer needs to use RESTful web services, what's the best way of implementing that?

We need to be able to move large amounts of data, what's the most efficient way of doing that?

How can we make these solutions perform in the most efficient manner?
How Did We Do It?

Iguana: The right tool for the job

FHIR Bundles: The best choice for moving large amounts of data

Collaboration: Using Kainos’ RESTful web API for communication (built on FHIRbase)
What was the Impact?

“FHIR IS HELPING US TO innovate and meet the complex information needs of healthcare organizations by giving us the ability to integrate with a vast array of healthcare IT systems.”

Alastair Allen, CTO - Kainos Evolve

01 Map Large Amounts of Data to FHIR Resources
02 Map Multiple Data Types to FHIR Resources
03 Create & Deliver Resources Programmatically
04 Finished Ahead of Schedule and Under Budget
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