Transforming **Imaging Data** to FHIR and DICOMweb

Microsoft

HEALTH DATA SERVICES

SERVER
Image Data
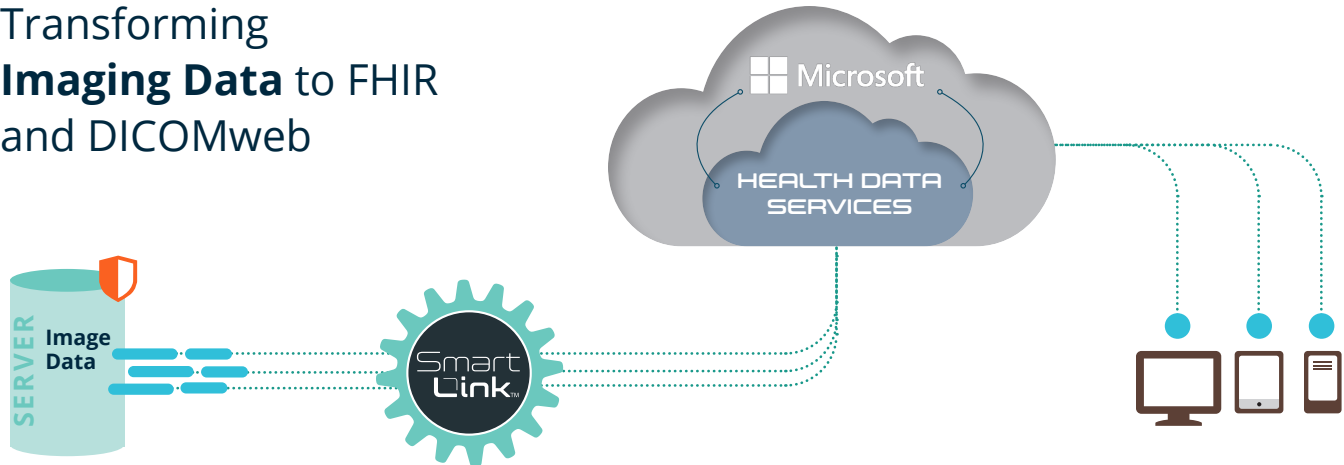
Smart Link™

1 Imaging Data resides in secure server

2 As it travels through the SmartLink™ system, it is transformed into DICOMweb & meta-data is stored as **FHIR** objects

3 The converted Imaging Data securely travels to the cloud, and securely stored until it's needed

4 Access Imaging / FHIR Data from any type of device – view it, share it, leverage it, etc.

Unlocking Healthcare Data

Efferent Health's Patent Pending **SmartLink™** solution is result of a cumulative 100 years of healthcare data development and management experience. SmartLink™ transforms any form of Medical Imaging Data into an elastic, compliant and scalable format – **DICOMweb / FHIR** – ultimately transforming data interoperability and does so with minimal or no footprint.

eTransform Core Competencies
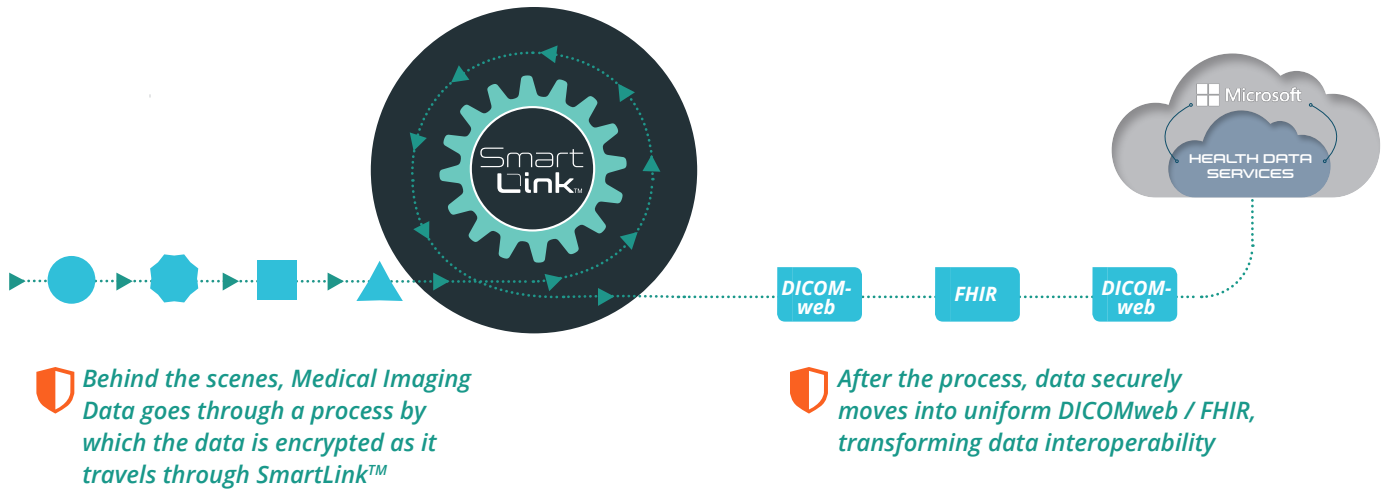
Bulk Data Import/Live Streaming conversion

- Data Transformation and Movement to Azure – of Historical Medical Imaging Data
- Data Conversion and Movement to Azure – Live Stream
- Bi-directional Data Exchange with EHR
- Anonymization – on premises or in Azure
- **Native to AZURE**
- Multi-thread variable speed transfer capability

eTransform

Bulk ingestion of Medical Imaging Data. Ability to move, process and transform data during transport to the Microsoft Azure cloud. Thereby unlocking the power of historic disparate datasets for machine learning, AI, Power BI and potential commercialization.

eTransform **Dynamic** (Streaming Live)

Ingests disparate Medical Image Data formats translating directly from modalities. Transforming data streams into uniform DICOMweb / FHIR objects. As a result, continues to aggregate your data and compliance, growing your ability to leverage Microsoft health data services.

Behind the scenes, Medical Imaging Data goes through a process by which the data is encrypted as it travels through SmartLink™

After the process, data securely moves into uniform DICOMweb / FHIR, transforming data interoperability

SNAP SHOT: Features and Benefits
Moves all data off premises into the cloud with Microsoft level encryption, security and redundancy
Increases elasticity of data and allows for better control, manipulation and application of machine learning, AI, powerBI and synapse.
Out of the box tested solution saves time and money
Brings client into compliance with upcoming CMS mandate and deadlines
Streamlines medical center workflows and operations
Marry and Streamline historic and live data in one standard compliant format
Uses the latest encryption and HIPAA high-tech transfer technology to move data up to Microsoft's Azure Health Data Services.

SmartLink™ can both upconvert to FHIR and back to HL7/non-compliant allowing for interoperability with applications, service providers and modalities that have yet to adopt the FHIR standard.

Your organization will be on the FHIR standard even if your ISVs are not!