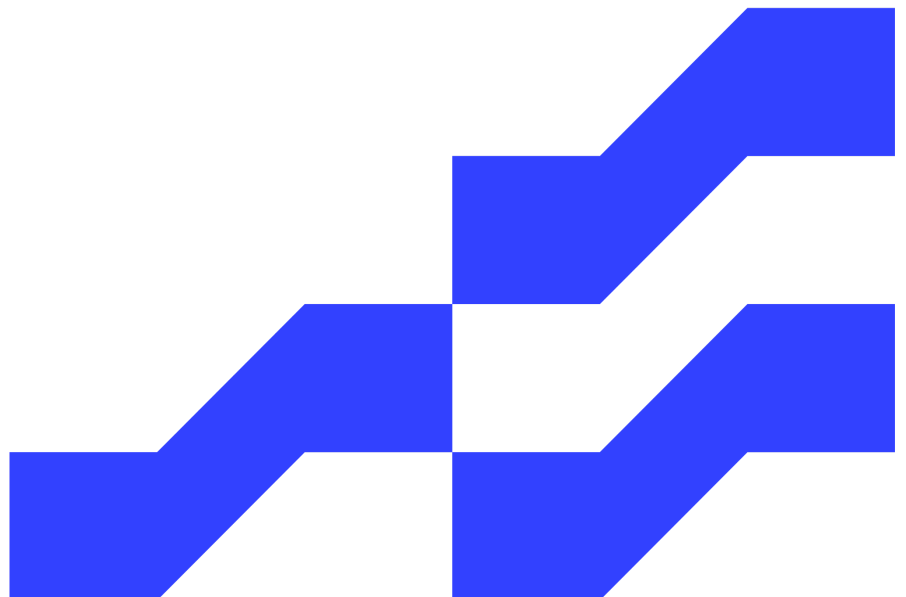


redox

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Technical Proposal



Overview

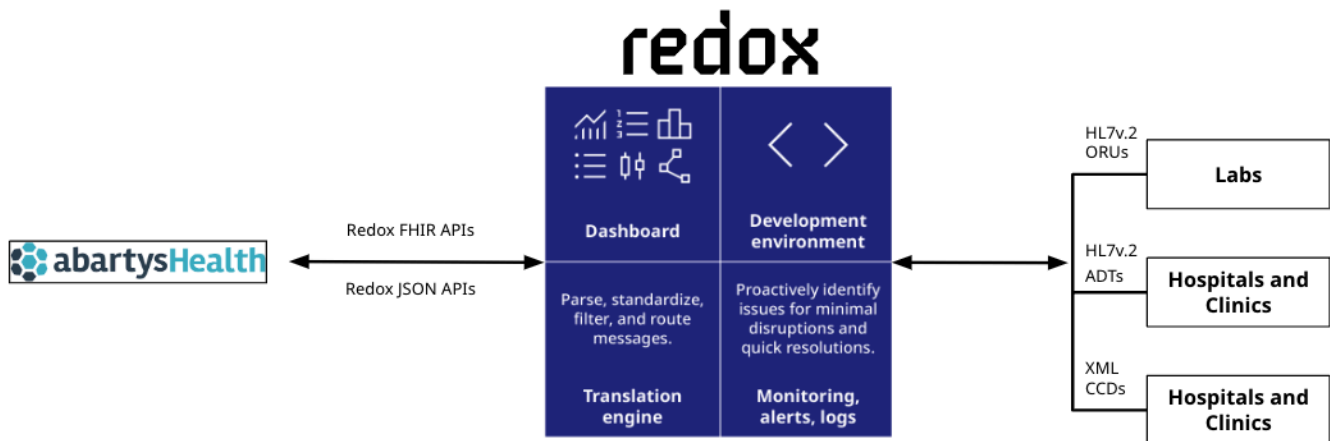
abartysHealth & Redox Goals

abartysHealth is looking to support clinics, hospitals, and hospital labs sending updates on patient care to abartysHealth as they create the infrastructure for Puerto Rico's Health Information Exchange. Redox can provide scalable infrastructure and reliable mechanisms to help abartysHealth reach the large number of health systems, labs, and other provider groups that work with PRHIE.

Proposed Redox Solutions

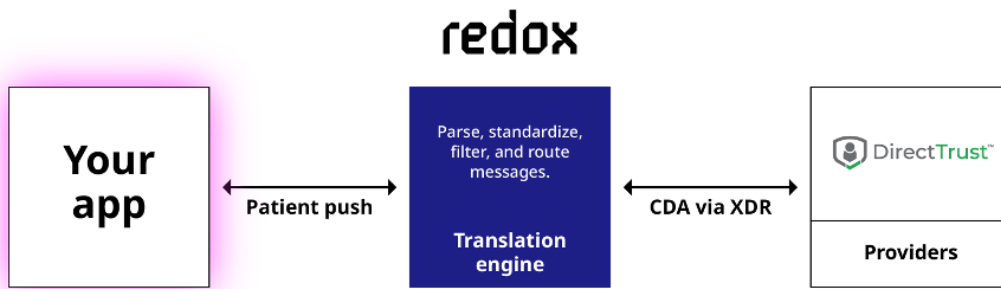
Nexus

One API that connects health tech vendors and healthcare organizations looking to exchange patient data in a modern way. Nexus is built to translate, standardize, and normalize all received data from inconsistent standards into usable, discrete data through our preferred FHIR or JSON API. This includes bi-directional data exchange, robust data transformation and advanced developer tools that help resolve issues with connections from either endpoint.



Access

A connector to national clinical networks, so qualified organizations can easily communicate with each other without needing point to point connections. Access opens the gates to both Carequality and DirectTrust, whose connections can be leveraged to give providers a more complete view of their patient records. Through Access, organizations can leverage one API to translate, standardize, and normalize incoming data into a preferred data format.



Workflow Proposal

Receive patient updates from provider groups

Many provider groups will send patient updates to the abartysHealth run PRHIE. abartysHealth will receive these messages in a standardized format through consistent endpoints.

Redox recommends leveraging the following actions for this workflow:

- When providers send admissions, discharge, and transfer messages to the HIE, Redox will deliver those messages to abartysHealth through the [Redox FHIR PatientAdmin messages](#).
- When hospital labs generate clinical results for patients and send result messages to the HIE, Redox will deliver those messages to abartysHealth through the Redox [FHIR Results messages](#).
- When providers give care to their patient population, they will generate new CCDs summarizing the patient's clinical history and care details that would be helpful for future care. Providers will push these CCDs to Redox, who will then deliver these messages to abartysHealth via the Redox [ClinicalSummary](#) data model.

Send documents using DirectTrust

abartysHealth will push patient information and documents to some of their healthcare organization partners using the DirectTrust network.

Redox recommends leveraging the following actions for this workflow:

- abartysHealth will send patient and visit information to the organization using the [Redox ClinicalSummary data model](#). abartysHealth will include direct address information in the Header.DirectAddressFrom and Header.DirectAddressTo field to indicate the sending and receiving addresses.
- abartysHealth will send patient documents to the organization using the [Redox Media data model](#). abartysHealth will include direct address information in the Media.DirectAddressFrom and Media.DirectAddressTo field to indicate the sending and receiving addresses.

Technical Details

[Quickstart Guide](#): This guide goes over how to create a free developer account and how to use it to connect to our API to start sending and receiving test messages with Redox

[Redox Data Exchange](#): Review all the ways you can exchange data with your connections using the Redox API

[Redox Data Model API](#): Review the setup of the Redox data model API and the JSON data models that can be used

[Redox FHIR API](#): Review the setup of the Redox FHIR API and FHIR resources and notifications that can be used

[Filters](#): How to create filters on the messages you are receiving from your connections

[Documentation Homepage](#): Access to all of Redox's documentation

[Tech enablement webinars](#) - Link to videos that go over how to connect to us. This link jumps right into the first video, you can find the other ones by using the drop down on the upper left.

Subcontractor Letter

March 13, 2024

Dear Mr. Florian Gaa,

The Redox team is excited to be a subcontractor for abartysHealth proposal Puerto Rico Department of Health's PRMP Health Information Exchange. Our team is going to be a key partner to support the integration of hospitals and FQHC's to the HIE, in addition to delivering the direct messaging capabilities.

Founded in 2014, Redox (C Corporation) has evolved from serving mainly digital health startups to leveraging the same reusable infrastructure to power data exchanges across the broadest range of systems, applications, and use cases in the industry. With connections to more than 6,700 healthcare entities, we accelerate our customers' speed to value, equipping them to use data to build differentiated, composable experiences for patients and clinicians.

As a team we act with a bias towards action in everything we do, from our collaboration and communication to our product velocity and strategic decision making. We strive everyday to challenge ourselves and we have built a team who can adapt and change with the demanding industry challenges and ensure our customers are not only backwards compatible with whatever legacy technology they may encounter, but also future-proofed in an era of ever-shifting regulatory oversight with regard to patient data.

Redox exchanges data with EHRs and ancillary systems using many different formats, including but not limited to HL7v2, FHIR, X12, CCD, DICOM + DICOMweb, Proprietary APIs and Web Services, CSVs, etc. Redox has connected with over 94 EHRs to date, has processed over 11 billion healthcare data transactions over the past 12 months and offers a flexible, ever-growing toolkit of connection strategies. Additionally we offer a fully HIPAA compliant, HITRUST r2 and SOC2-II Certified, and maintain an industry leading security posture. Redox has completed security evaluations for thousands of health systems.

Using a flexible infrastructure and a talented technical delivery team to support data exchange as available from disparate healthcare sources. Redox's experienced implementation and delivery teams compose connections using diverse, pre-existing authentication, communication, and data structure translation services. Redox works with provider organizations to establish connectivity to their systems, map and translate data, and manage the integration on a 24/7/365 go-forward basis. The Redox implementation team will include the following roles: Solutions Engineer, Technical Account Manager, and Implementation Manager. In an average month, this Redox team may do as many as 150 new integrations, collecting more experience each time.

The Redox team is ecstatic by the opportunity of servicing the Puerto Rico HIE through our partnership with abartysHealth and are looking forward to the opportunity of working together.

Redox hereby discloses any disciplinary actions taken against us within the last five years. As of the date of this response, there have been no disciplinary actions, whether pending litigation or terminated, for cause or convenience. Our commitment to maintaining ethical business practices and resolving disputes amicably has contributed to a clean disciplinary record. We confirm that there have been no administrative actions taken by any jurisdiction or person against the vendor within the specified period. Our adherence to regulatory requirements and proactive measures have ensured a compliance record free from administrative issues. Within the last five years, there have been no judicial or administrative proceedings involving our sourcing activities. Furthermore, there are no unlawful employment discrimination suits or anti-trust suits in which we have been a party. Our commitment to legal and ethical sourcing practices remains unwavering. Redox is not a subsidiary. Therefore, no information for parent companies is submitted as it does not apply to our organizational structure.

Sincerely,



Ryan Redden

Corporate Counsel
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25 West Main Street, Suite 500,
Madison, WI 53703

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DUNS: 08-019-7404