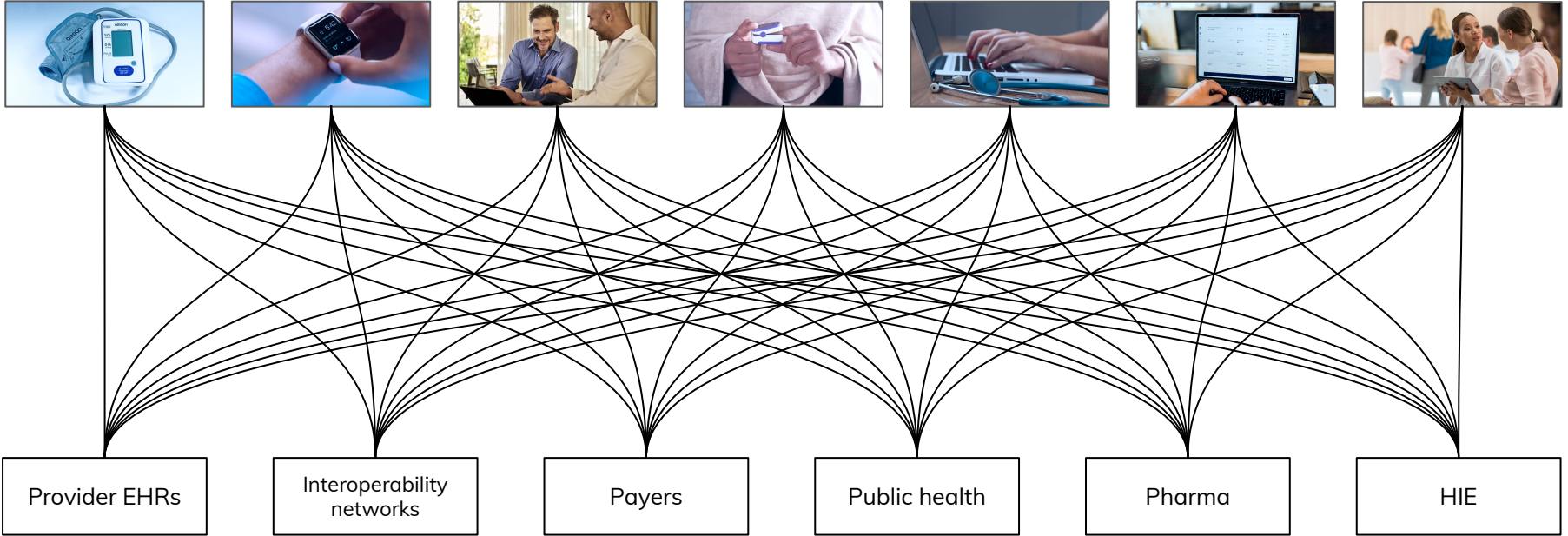# Accelerate Your Healthcare Data Strategy with Redox and Productive Edge

productive/edge

redox
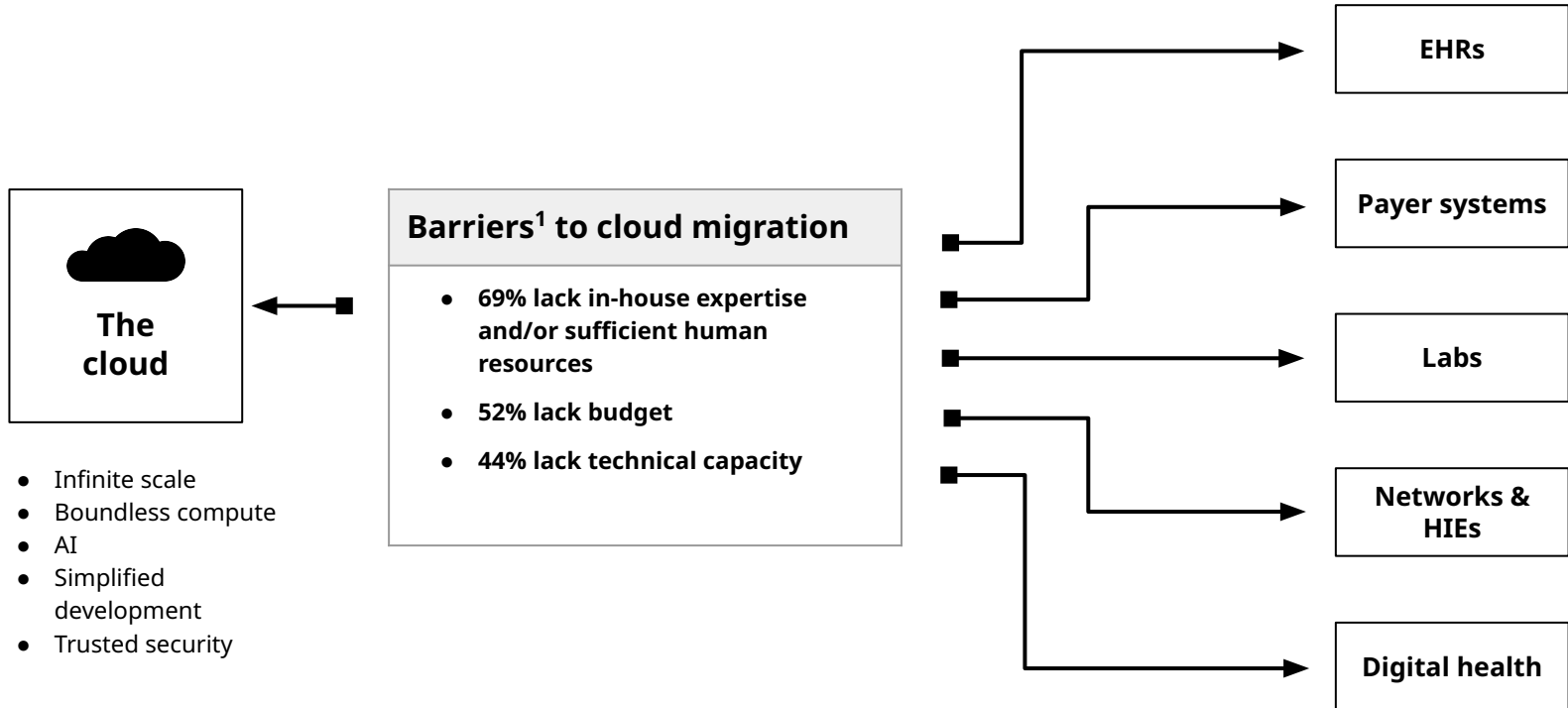
Point-to-point Integration Creates Redundancy

Provider EHRs	Interoperability networks	Payers	Public health	Pharma	HIE

Redox infrastructure eliminates redundancies

redox

Provider
EHRs

Interoperability
networks

Payers
systems

Public
health

Pharma

HIE

The cloud offers limitless potential, but you have to get the data there first.

The cloud

- Infinite scale
- Boundless compute
- AI
- Simplified development
- Trusted security

Barriers[1] to cloud migration
- **69% lack in-house expertise and/or sufficient human resources**
- **52% lack budget**
- **44% lack technical capacity**

EHRs

Payer systems

Labs

Networks & HIEs

Digital health

And doing it yourself involves more than you think.

We built **all** this so that **you** don't have to.

Authentication Methods

- 29 Supported Auth Strategies
- 11 Custom EHR Auth Strategies including
  - OAuth (+ 8 OAuth Variants)
  - TLS Client Certificate
  - Basic
  - JWT Bearer
  - SMART

Communication Methods

- MLLP Listener
- Polling
- FHIR
- Redox API
- SFTP
- SFTP Polling
- SMART on FHIR
- SOAP
- SSO-SAML
- WebHook
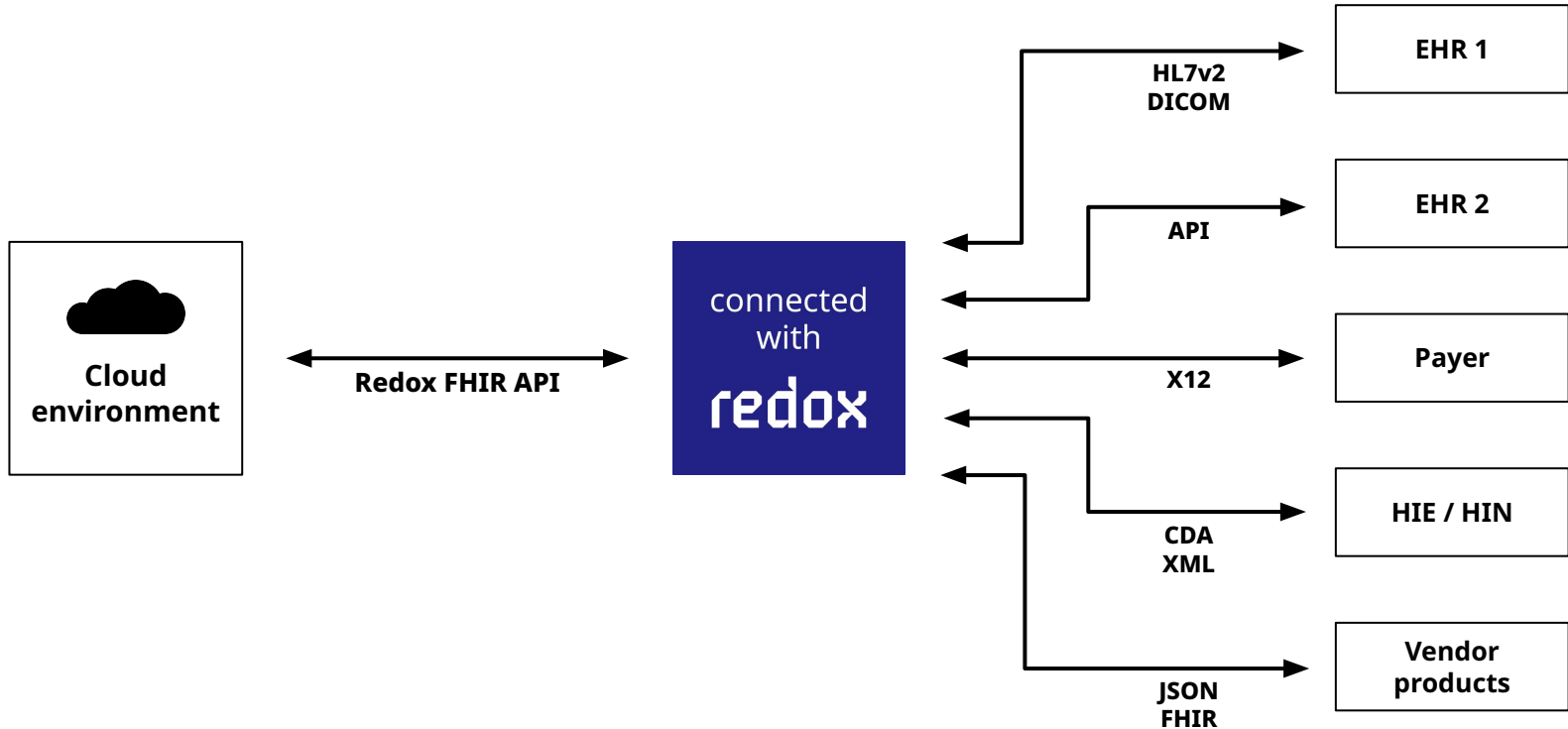- IHE XDR
- Async API
- Plus 10 Custom EHR Methods

Data Formats

- FHIR
- HL7
- X12
- XML
- JSON
- Flat Files / CSVs
- DICOM
- NCPDP
- 27 Custom EHR APIs

Additional features

- Bulk Data Backloads/Uploads
- Interface Filtering
- Translation Sets
- Workflow Normalization via Data on Demand
- Custom Data Configurations

- Data Enrichment, including:
  - Codeset Normalization (IMO)
  - Natural Language Processing (ScienceIO)
  - EMPI (Verato)

Redox removes barriers with pre-built adapters.

Cloud environment

Redox FHIR API

connected with redox

HL7v2 DICOM → EHR 1

API → EHR 2

X12 → Payer

CDA XML → HIE / HIN

JSON FHIR → Vendor products

Redox has a massive existing Provider and EHR Footprint.

5,600+
Health systems
using vendors powered by Redox

4,000+
Listings on Carequality
(5th largest CEQ provider)

50+
State public
health agencies
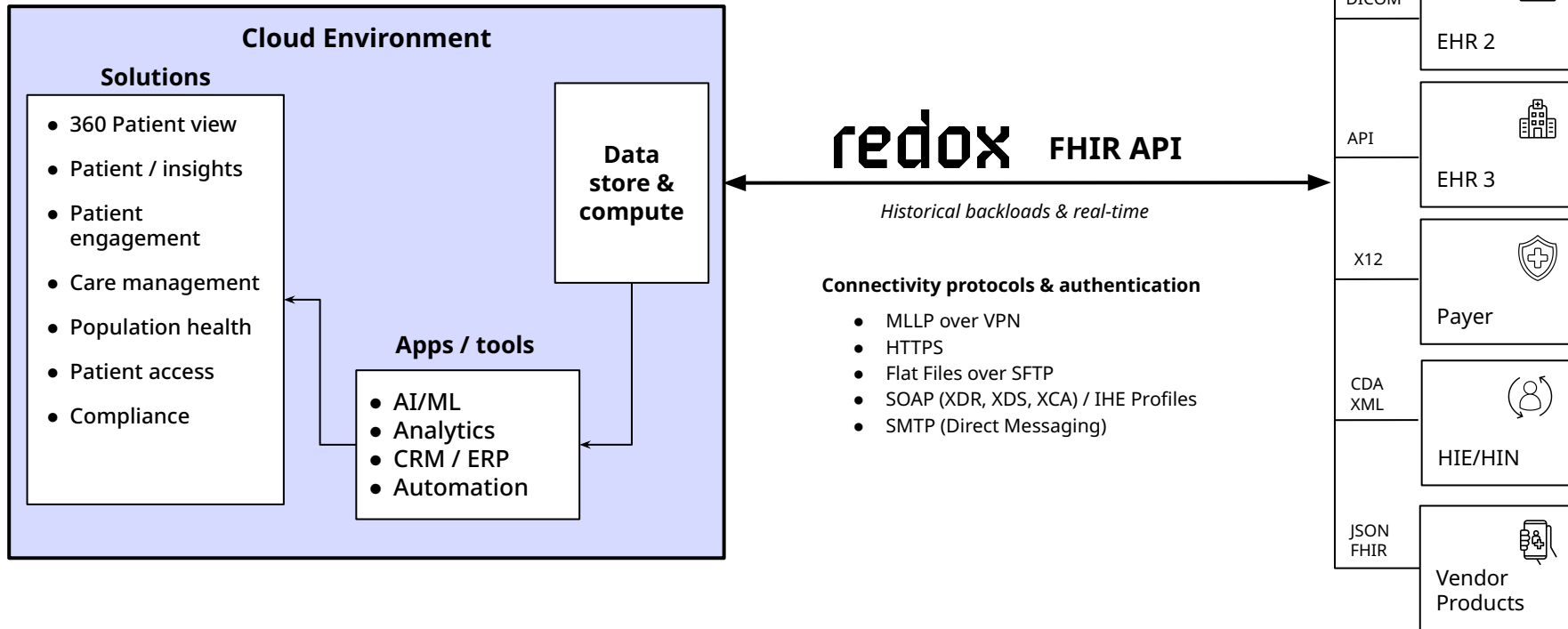
100+
EHR systems with live Redox
powered integrations

25+
Health Information Exchanges/
Networks

Check out the full list of connected organizations & supported EHRs at: explore.redoxengine.com

How Redox works with cloud partners

Cloud Environment

Solutions

- 360 Patient view
- Patient / insights
- Patient engagement
- Care management
- Population health
- Patient access
- Compliance

Data store & compute

Apps / tools

- AI/ML
- Analytics
- CRM / ERP
- Automation

redox **FHIR API**

Historical backloads & real-time

Connectivity protocols & authentication

- MLLP over VPN
- HTTPS
- Flat Files over SFTP
- SOAP (XDR, XDS, XCA) / IHE Profiles
- SMTP (Direct Messaging)

FHIR — EHR 1

HL7v2 DICOM — EHR 2

API — EHR 3

X12 — Payer

CDA XML — HIE/HIN

JSON FHIR — Vendor Products

Productive Edge Redox Solutions

	① Interoperability & Integration Strategy Accelerator	② Redox Accelerator	③ Solution Accelerators (Prior Authorization, Care Planning, EOB Creation, Referral Management)
Target Customer	Clients who are struggling to define their interoperability and data integration strategy	Clients who have a clear need for implementing Redox and who already have a cloud platform instance stood up	Clients who want to apply Generative AI to augment and automate manual tasks across multiple clinical and administrative workflows
Deliverables	Prioritized use cases, technology architecture, roadmap	Installed, configured and implemented Redox	Generative AI based solution, cloud infrastructure and associated technologies installed, configured and engineered
Outcomes	Execution ready plan	Interoperability and integration ready	Reduced administrative burden, personalized patient engagement, optimized care delivery and coordination
Timeline	4 Weeks	8 Weeks	12 Weeks
Cost	$80,000	$160,000	$250,000

Case study: Wellstar and Microsoft Azure

Wellstar needed patient administration and scheduling data from Epic converted to FHIR and loaded in **Microsoft Azure** so that it could be used by Microsoft Dynamics to launch **omnichannel marketing** and improve patient engagement. Redox used pre-existing Redox connections at Wellstar to expedite the flow of data into the cloud, months sooner than any other alternative. Redox currently transmits **16m+** transactions per month on behalf of Wellstar.

For more information:

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productive/edge

redox