

BLOCKCHAIN



Finding the Missing Piece:
The New Data Frontier
Hype or hope?



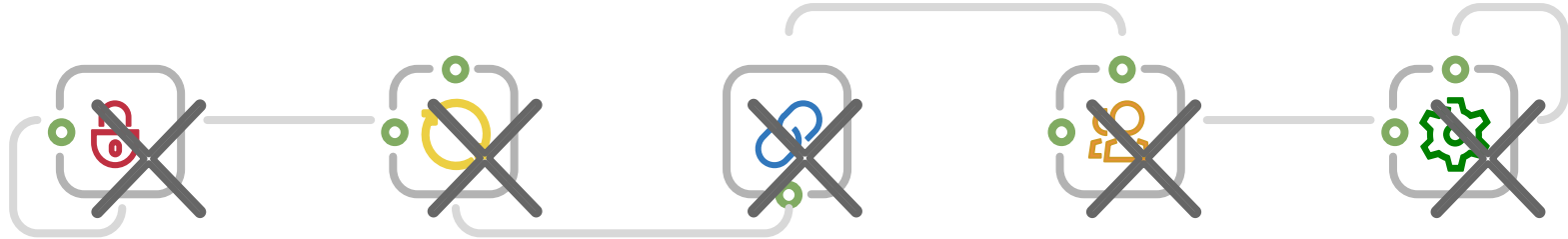
The Real Impact of Social Determinants

National Framework for an Interoperable Health System

**Why do we
have data
roadblocks?**

**Current policies don't
allow it.**

Data Roadblocks to Whole Person Care



PROTECT

privacy and
confidentiality

VERIFY

identity & roles
across many
networks

LINK

privacy-protected data
at granular levels

SHARE

information only
when allowed

ENFORCE

policies
automatically

**Fundamental
problem is
the network
is not a
technology.**

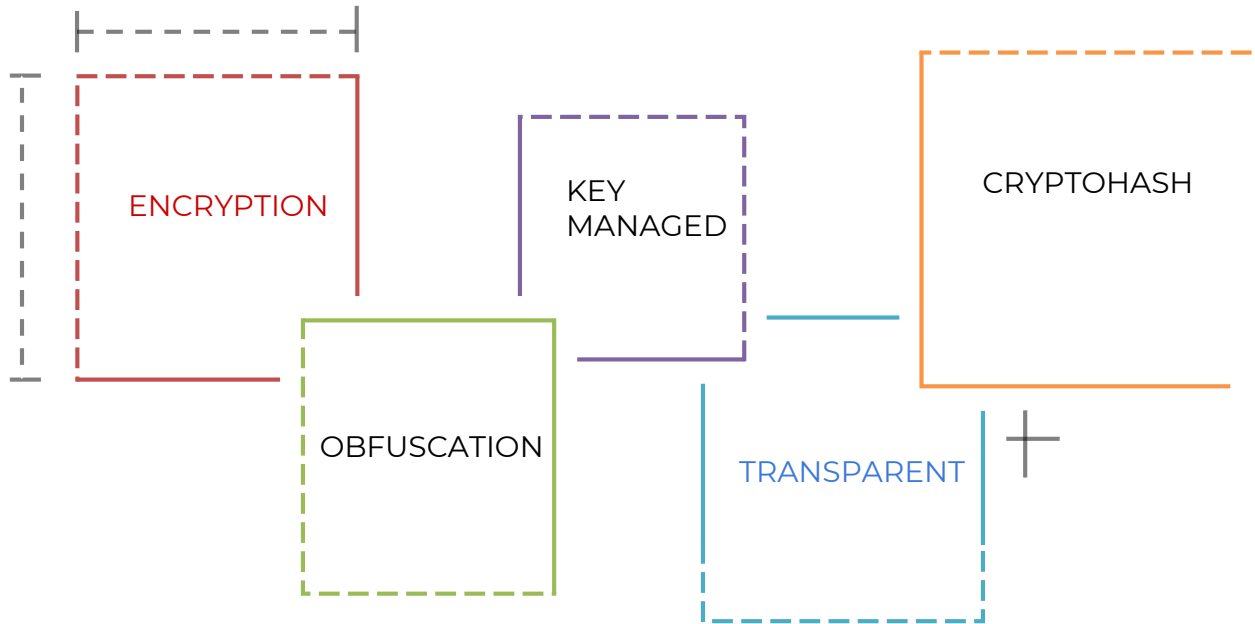
**“A design philosophy and
architecture expressed in
a set of protocols.”**

- *Vint Cerf*

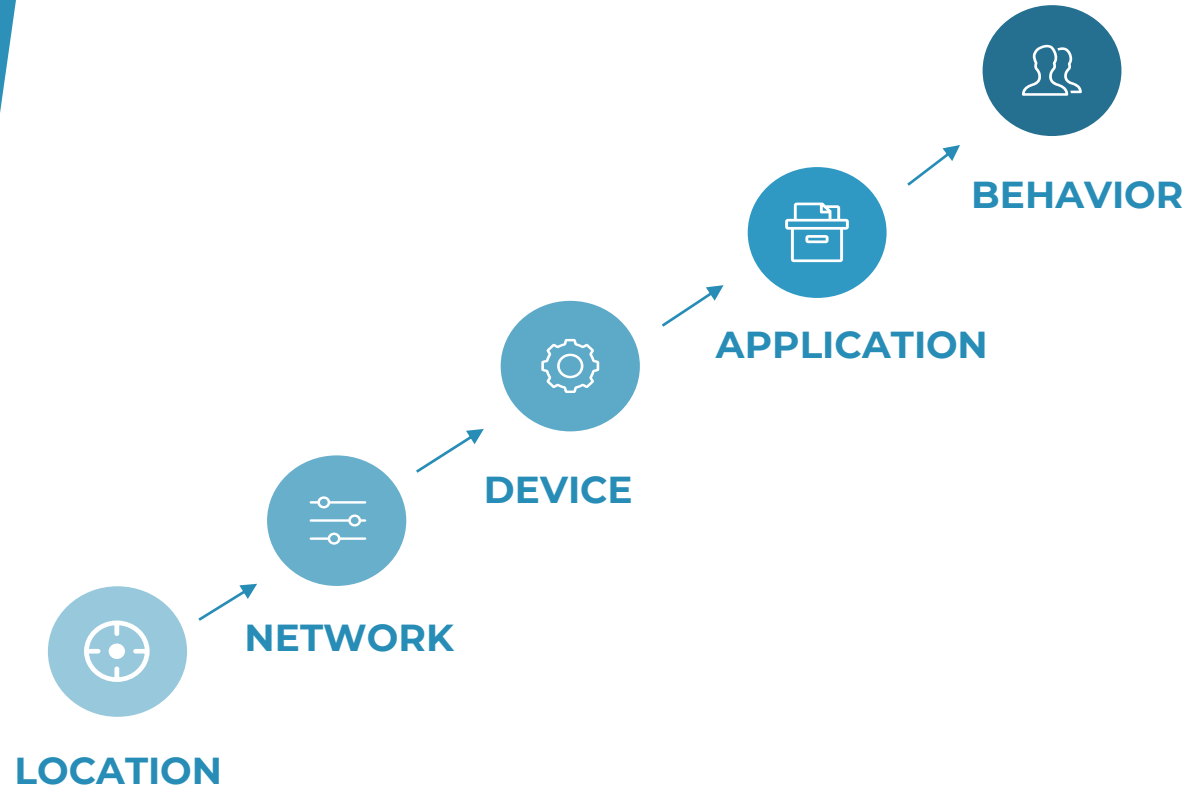
How to Overcome Roadblocks



Agree to add Control Protocols Using Blockchain Principles at the Attribute Level



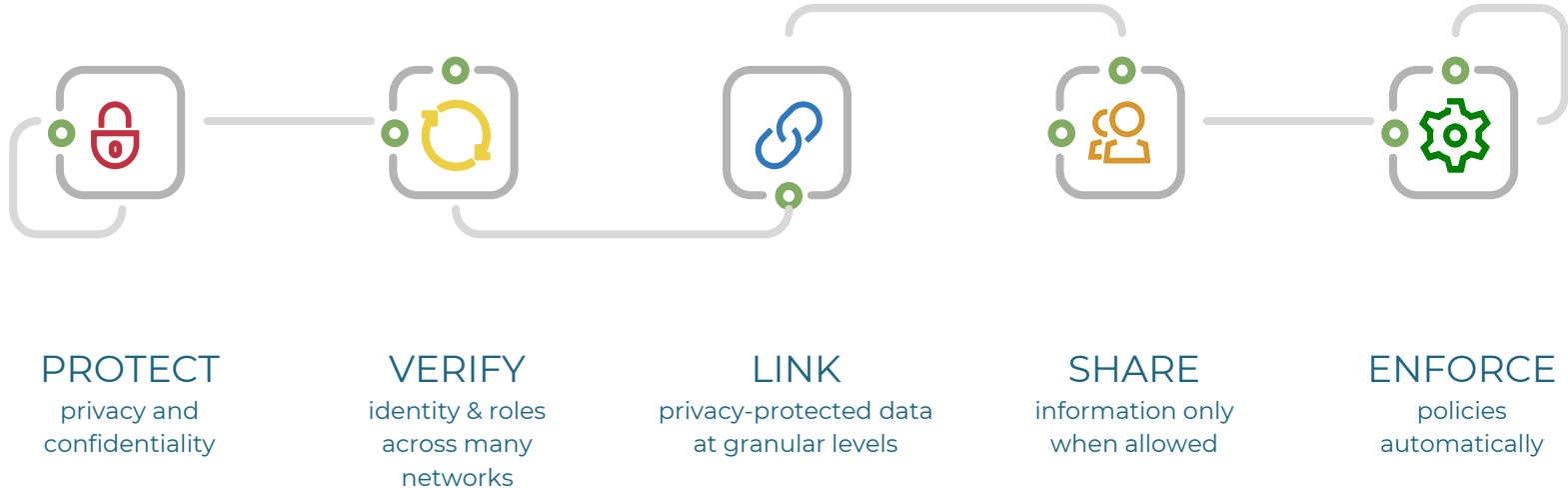
Applied to:



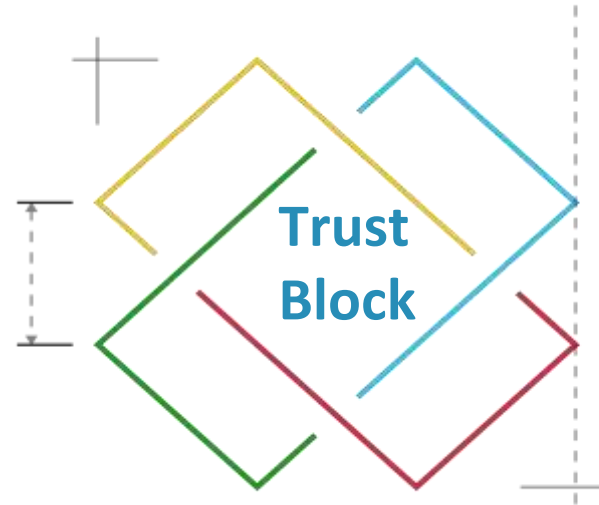
*Hancock Framework

PRIVACY-PRESERVED DATA LIQUIDITY

Attribute data governance unleashes the value of the cloud to:



Future Proofed Data



DATA CONTROL PROTOCOL

PROVENANCE
RATINGS & REPUTATION
AUDIT & CERTIFICATION
ASSESSMENT METHODOLOGIES
TRUST AUTHORITIES & GOVERNANCE



CREDENTIALS

DESCRIPTIONS

CRITERIA
CREDENTIALS
RESOURCE DESCRIPTION



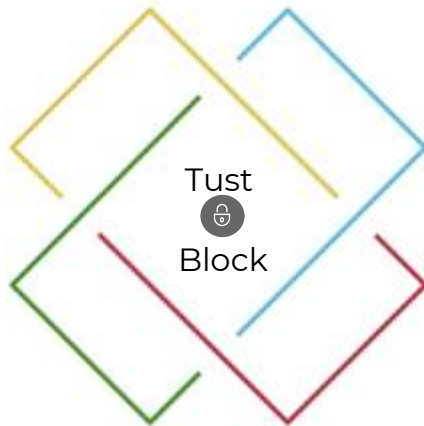
COMPLIANCE
PAYMENT & LICENSING
IDENTITY & CYBERSECURITY
INTEROPERABILITY
AUTHORIZED RECIPIENTS & PURPOSES



CRITERIA

ENFORCEMENTS

POLICY INTENT
ENFORCEMENT REQUIREMENTS
ENFORCEMENT MECHANISMS



Public Data to Improving Community Health

Give the right people the right information at the right time to improve health, safety, and education outcomes.



UNLOCK DATA SILOS

Existing, legacy systems receive and exchange privacy-protected, actionable data.



RESEARCH

Include diverse and underrepresented populations. Including FQHC.



PUBLIC SAFETY

Create a network of support able to communicate and coordinate comprehensive actionable health and safety information.



POPULATION HEALTH

Increase patient and healthcare system rights and privacy with comprehensive, cross sector data.

Protecting the Privacy of Individuals.

EP3 Foundation data governance and control protocols automate privacy preserving data exchange.



PUBLIC HEALTH

Improve core public health reporting, Meaningful Use, situation awareness and surveillance.



EDUCATION

Better use of and increased access to quality, privacy-protected, and comprehensive data.



EMERGENCY RESPONSE

Provide first responders and clinicians access to lifesaving health information and personalized decision support, and contribute timely information back to public health systems.



ACTIONABLE HEALTH DATA

Establish open framework and trust models to unlock data silos and provide real-time, actionable information.

WHAT MEMBERS ARE SAYING

“SAFE-BioPharma is pleased to be a part of this effort to leverage standards in healthcare, which will lead to improved patient safety, privacy and, a better user experience.”

Matt King, Director of SAFE-BioPharma Association

“This program aligns closely with the efforts of WEDI members and workgroups to facilitate secure and trusted data exchange through blockchain and other enabling technologies”

Charles Stellar, WEDI President & CEO

“..The new accreditation program will continue the much-needed focus on interoperability as well as assure a trusted environment where privacy and security requirements are maintained”

Lee Barrett, EHNAC Executive Director

The Prediction

**Hype or Hope?
You tell us!**

MARSALI HANCOCK

EP3 Foundation CEO & President

Stanford MediaX Distinguished Visiting Scholar

Chair, IEEE Standards for Child and Student
Data governance Working Group and editorial
advisor IEEE for policy newsletter.

Chair, Adaptable Security, Nonprofit only
security assessment and social platform
designed to empower consumers and small
nonprofit and businesses.

Chair, Family, Adolescent, and Children Sub
committee on Santa Clara County Behavioral
Health Board.

Commissioner with Global Information
Infrastructure commission.

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EP3 Foundation

Empowering People with Data, Privacy, and Personalization



JACK LEWIN, MD
Chair, National Coalition
on Healthcare



MARSALI HANCOCK
CEO & President



JOY PRITTS
Former Chief
Privacy Officer, HHS



JOHN TEETER
Former CIO
HHS



PATRICIA HAMMAR
Chief Compliance
Officer



JIM NASR
Former Chief Data
Architect, CDC



JONATHAN HARE
CEO, Webshield



CARLOS BUSTAMANTE
Chair Stanford
Dept. BMDS



JIM ROUTH
Chair, NH-ISAC
CSO, ETHNA



LEE BARRETT
Exec. Director,
EHNAC



SANDRA ELLIOTT
Chief Education
Officer



ALEX CARLISLE
Chair & CEO
NADPH

END