



Building cross-sector data partnerships

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Motivation

Public servants using ancient software and siloed data

BHR Report software

The screenshot shows a web-based form titled "Behavioral Health Report" from the Baltimore Police Department. It includes fields for "Case Number" and "Case ID". Below these are sections for "Consumer Information" with various input fields and radio buttons for data entry.

Vehicle Registration Information software

The screenshot shows a legacy terminal-style interface for "VEHICLE REGISTERED/LEGAL OWNER INFORMATION SCREEN". It features multiple sections for entering vehicle details, including "MAILING ADDRESS" and "LEGAL OWNER INFORMATION", with fields for city, state, and zip code.

Child Welfare software

The screenshot shows a "Child Welfare" software interface with a "Contact Information" section. It includes dropdown menus for "Staff Person" (Rolback, Daly), "Contact Purpose" (Deliver Service to Client), "Method" (In-Person), "Location" (In Placement), and "Status" (Completed). It also features a table for "Participants" and "On Behalf of Child" with columns for count and date.



Medicaid



Homeless



Police



Ambulance

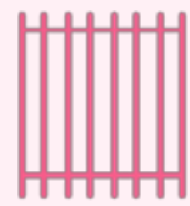


Court

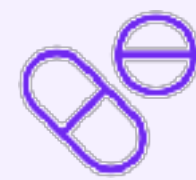


Jail

Costs lives, time, and money



Every year,
11 million people cycle
through 3,100 local jails,
costing over \$22B¹



As vendors target opioid
crisis, familiar tech hurdles
slow them down²

Interoperability and workflow norms stand in the way, but convincing insurers the tech is worth the extra price tag can be the biggest obstacle.

The Atlantic

A Popular Algorithm Is No Better at Predicting Crimes Than Random People

The COMPAS tool is widely used to assess a defendant's risk of committing more crimes, but a new study puts its usefulness into perspective.

The New York Times

Locals Knew He Was Mentally Ill. The Officers Who Shot Him Did Not

Mission

Improve human outcomes

Whether it's mass incarceration, the opioid epidemic, child welfare, homelessness or other any other social challenges rooted in the individual we want to make sure that our core societal institutions have modern data infrastructure to tackle these challenges.

High Utilizing 26 y/o female

Police

Police CAD & RMS

09/24/2016 Victim Disturbance

06/16/2016 Victim Domestic Dispute

06/02/2016 Involved Party Mental Health

02/25/2016 Involved Party Involuntary Hosp.

EMS

Fire/EMS CAD & RMS

11/16/2016 Involved Party Non-fatal Overdose

09/17/2016 Victim Overdose

09/13/2016 Victim Overdose

06/03/2016 Victim Overdose

Health Clinic

Paper, Excel, or Local EHR

09/25/2016 Administer Carbamazepine 200mg

09/25/2018 Administer Suboxone 4mg

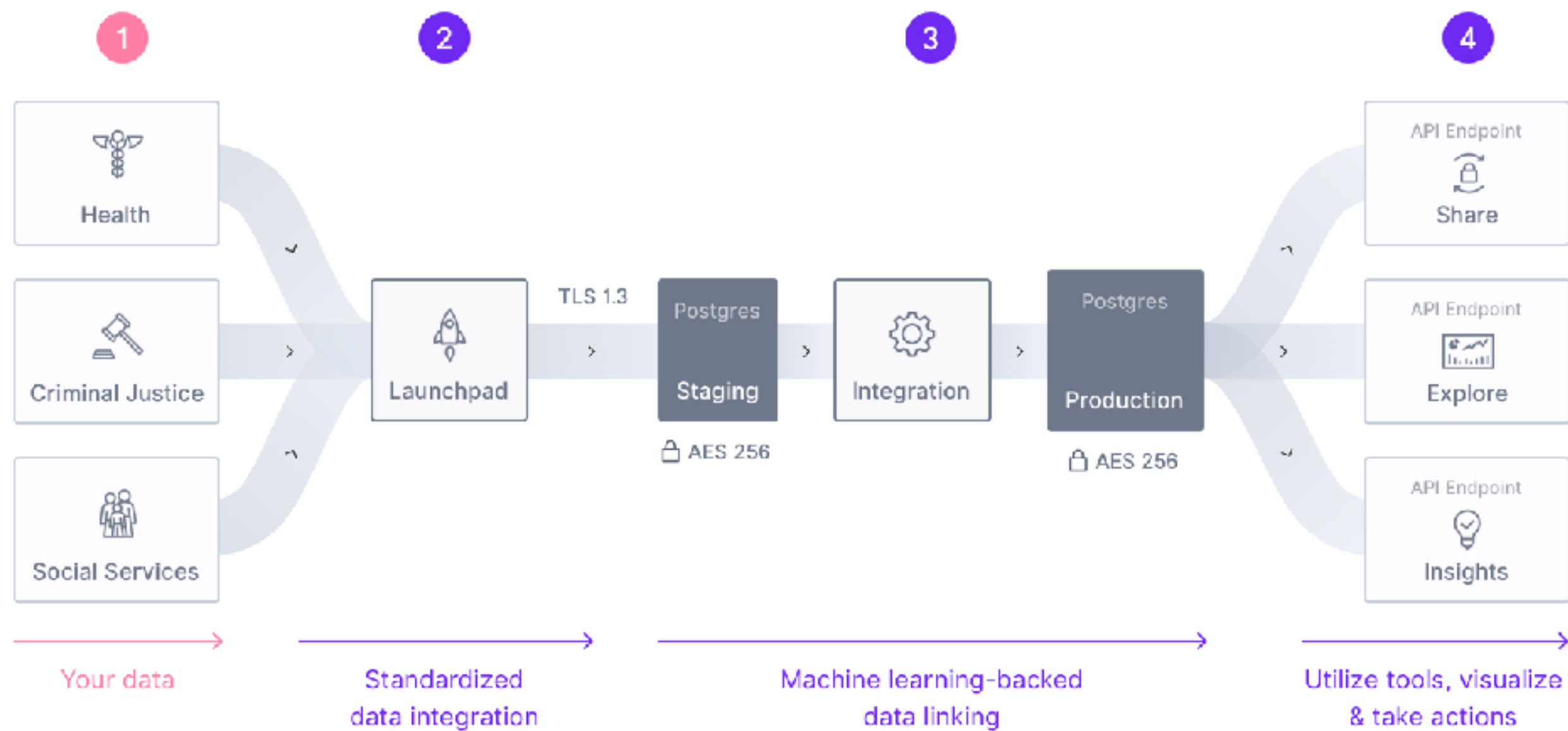
09/25/2016 Administer Lopressor 50mg

09/25/2016 Test False for Tuberculosis

Vision

Data-driven decisions with modern software

Core societal institutions making life impacting decisions around incarceration, healthcare, child welfare, and other social services can use data from criminal justice, healthcare, social services and other organizations to make better decisions.



High Utilizing 26 y/o female

11/16/2016 **Involved Party** Non-fatal Overdose

09/25/2016 **Administer** Carbamazepine 200mg

09/25/2018 **Administer** Suboxone 4mg

09/25/2016 **Administer** Lopressor 50mg

09/25/2016 **Test** False for Tuberculosis

09/24/2016 **Victim** Disturbance

09/17/2016 **Victim** Overdose

06/16/2016 **Victim** Domestic Dispute

09/13/2016 **Victim** Overdose

06/03/2016 **Victim** Overdose

06/02/2016 **Involved Party** Mental Health

Getting Started

Problem + Stakeholders

Always start with a clear problem definition to help align stakeholders.

PROBLEM

Berks has extraordinary jail costs, due in part to the incarceration of mentally ill individuals rather than diversion to outside treatment.

CHAMPIONS

Justin Loose, CIO Berks County

Lydia Singley, HealthChoice Program Director

STAKEHOLDERS

- Jail OMS
- HealthChoices
- Adult Probation
- Berks Coalition to End Homelessness
- SAM (Service Access & Management, Inc)
- Hospital
- COCA (Council on Chemical Abuse)



Putting proper governance in place

Data Sharing Agreements

A data sharing agreement governs who gets access to what for what purpose.

HUB

Data hub establishes 1:1 agreements (spokes) with each agency.

TIP: Don't be too specific about data model elements.

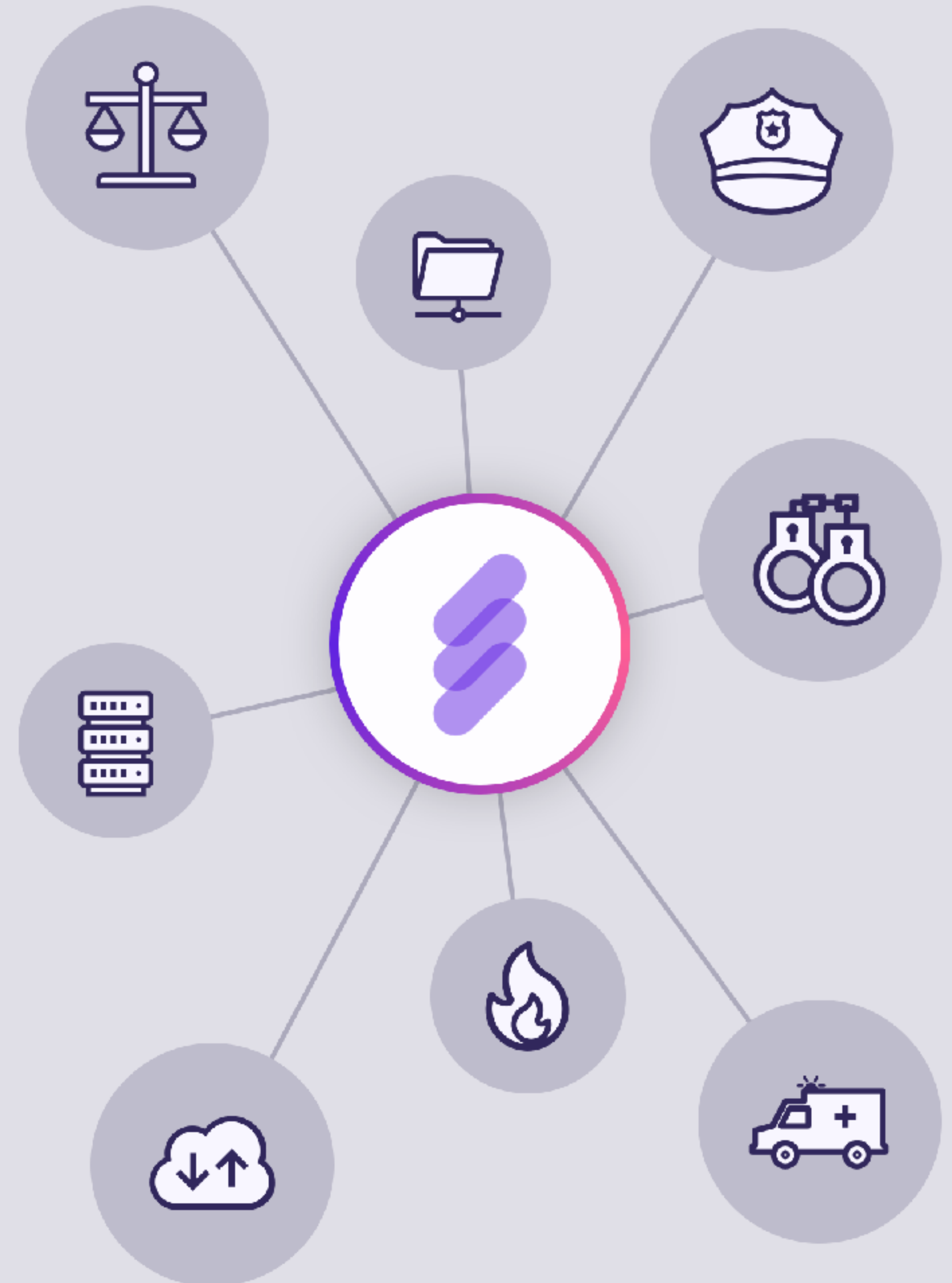
SPOKES

- BAA for HIPAA covered entities
- BAA + QSOA for 42 CFR Part 2 covered providers
- CJIS for Criminal Justice
- FERPA for student data
- Standard Data Use Agreement for other organizations

WHEEL

- Jurisdictional body's data sharing agreement governs data use across entire collaborative.
- A common data platform for implementing the data sharing agreement.

OPENLATTICE



Establishing Data Access

KEY DECISIONS

- Frequency of updates
- Data model elements
- Federated vs integrated

COMMON ISSUES

- Security concerns
- Privacy concerns
- Performance concerns
- Licensing & insurance when dealing with third party vendors
- Data access when dealing with proprietary interfaces or formats

BREAKING THROUGH

- Persistence
- Properly incentivized stakeholders

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Choosing a Vendor

The right vendor can improve chances of success and assist with bringing stakeholders together and implementing proper governance.

SIGNS OF A GOOD VENDOR

- Standard privacy and data use agreements that clearly describe acceptable use of data.
- Supports third party data access through documented APIs without a bunch of one-off extra charges.
- Proper security and business continuity practices.
- Iterative planning and execution focus.
- Clear & simple pricing (site license).

VENDOR RED FLAGS

- Holding data ransom and unwilling to play well with others.
- Expensive endless planning without execution.



Questions?

It is not enough that you should understand about applied science in order that your work may increase man's blessings.

Concern for the man himself and his fate must always form the chief interest of all technical endeavors; concern for the great unsolved problems of the organization of labor and the distribution of goods in order that the creations of our mind shall be a blessing and not a curse to mankind.

Never forget this in the midst of your diagrams and equations.

Albert Einstein

February 16, 1931