
AWS
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HLC301

Architecting for patient consent in healthcare

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Agenda

Introductions

What is consent?

What is the solution?

Data governance on AWS

Why cloud? Why now?

What else do we need?

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What is consent?

To consent is to fully understand the risks, benefits and alternatives and freely agree to share information

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Why is consent important?

- Patients are concerned about the privacy of their medical records
- Regulations such as GDPR, HIPAA, FERPA, and CJIS are requiring it in many situations
- Wasted spending on redundant tests and procedures is still an issue
- Time to appropriate care requires sharing information
- Ongoing need for clinical data to conduct research
- Need for cross-organizational collaboration for complex patients/clients

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What is the challenge?

How can agencies, caseworkers, and physicians work together to improve wellbeing and experience for shared patients/clients?



Treatment center



Public health



Primary care physician



Housing services (CBO)





Managed care organization



School



Juvenile justice



Child services

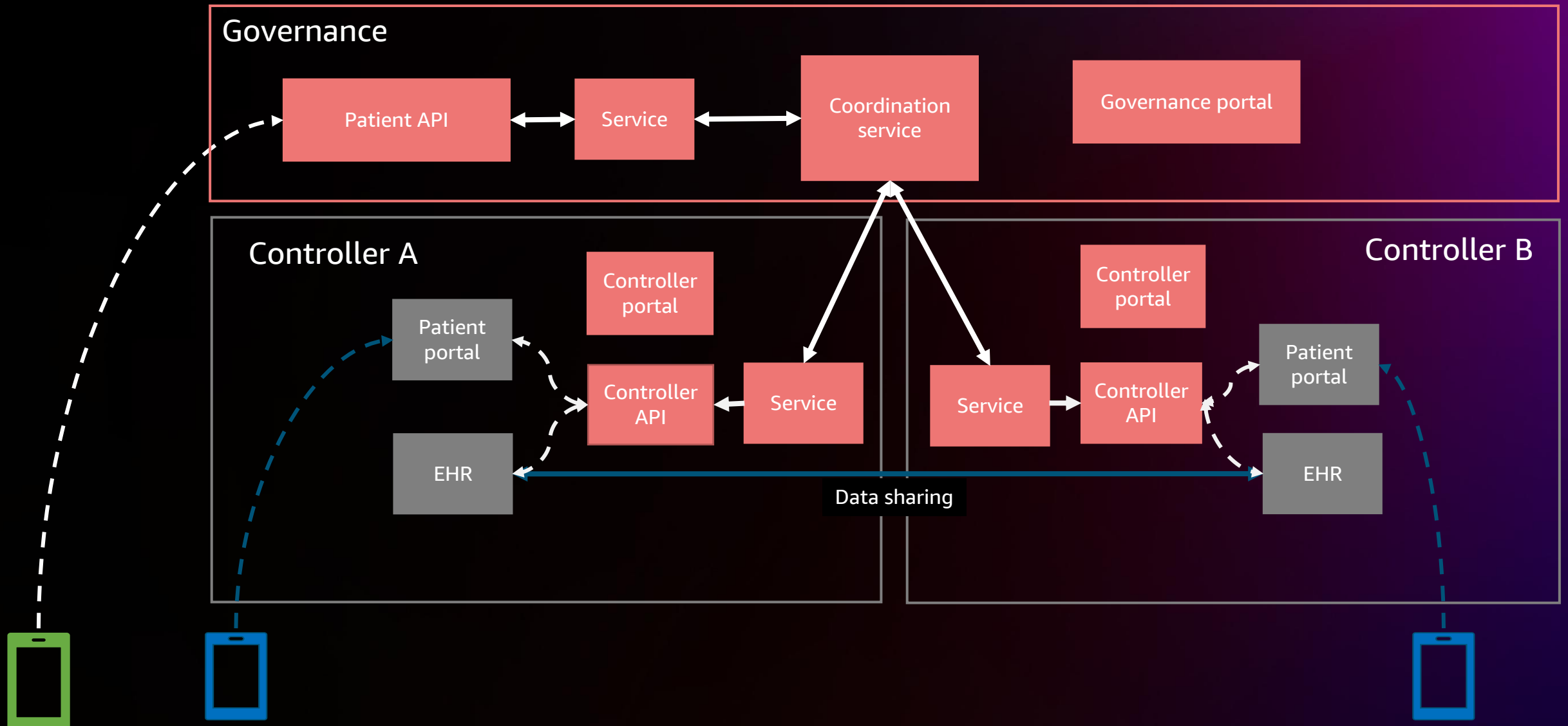


Psychiatrist

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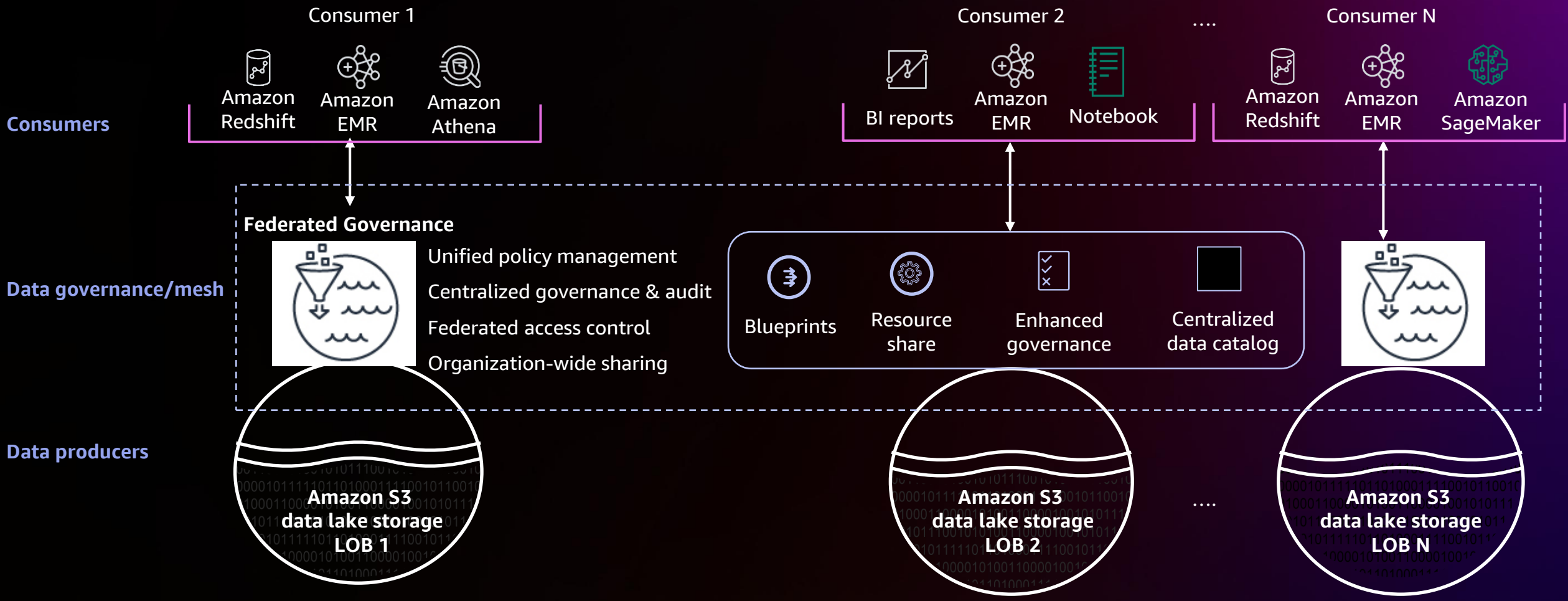
The consent network



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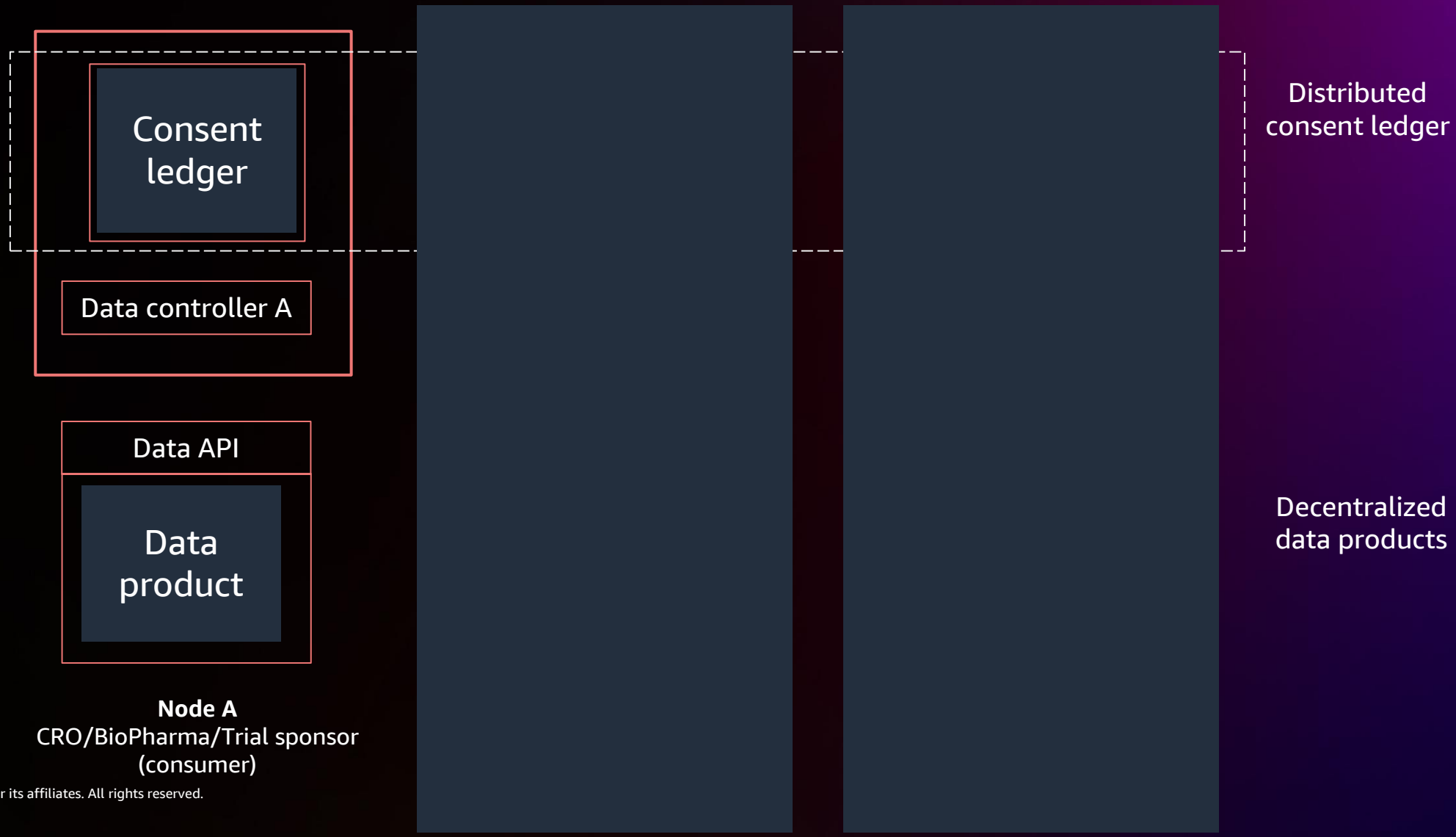
What is data mesh?

A **decentralized, domain-oriented** data system that drives **governed sharing** using a **modern data architecture** design pattern



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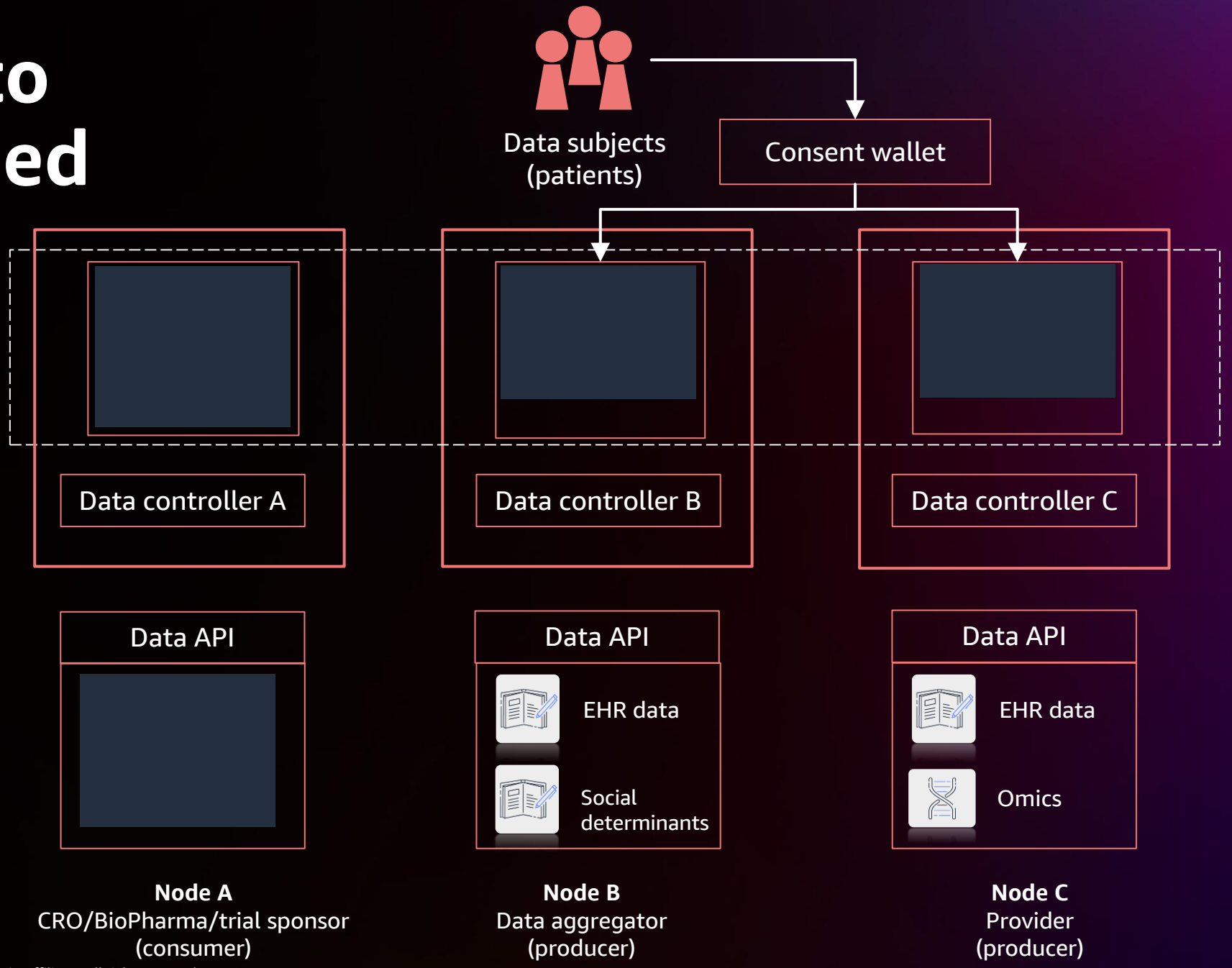
Trusted network of nodes



Node A
CRO/BioPharma/Trial sponsor (consumer)

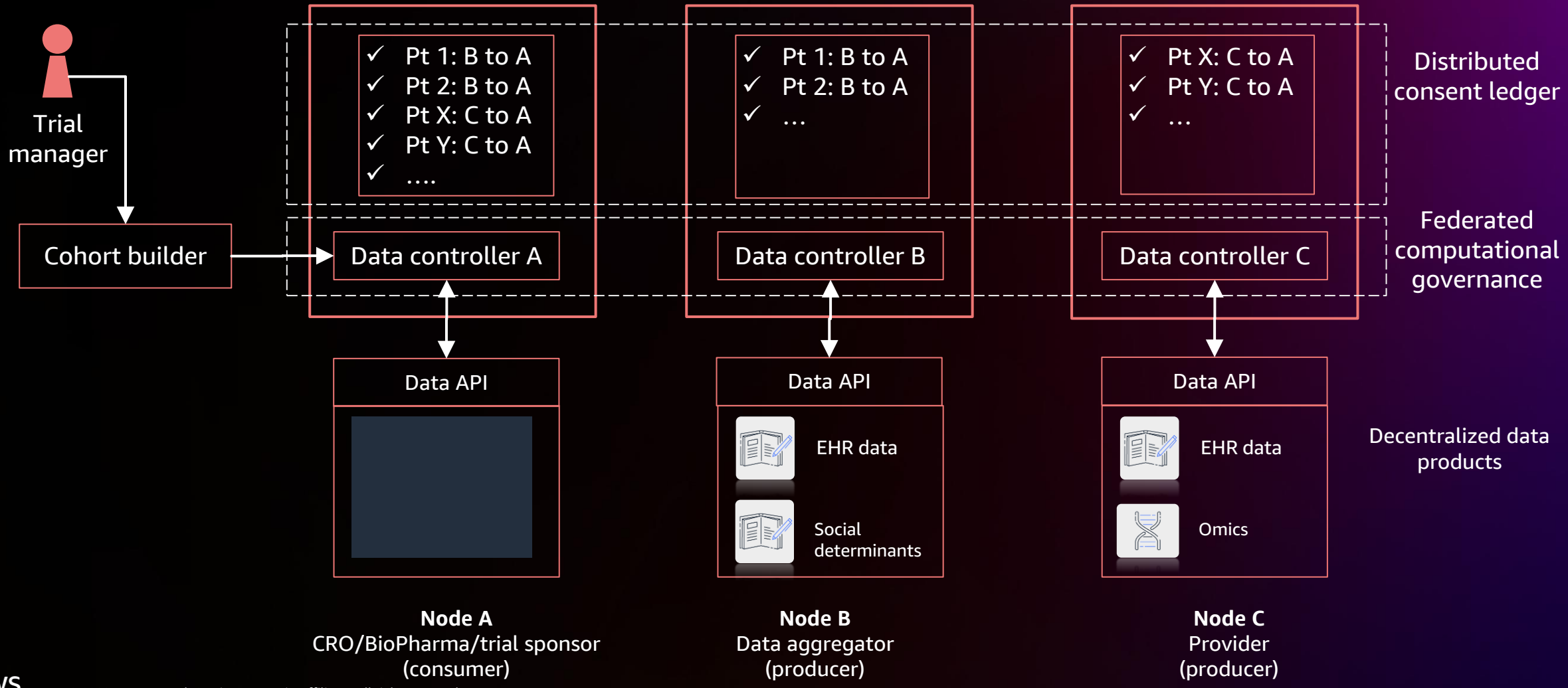
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Consent to be searched



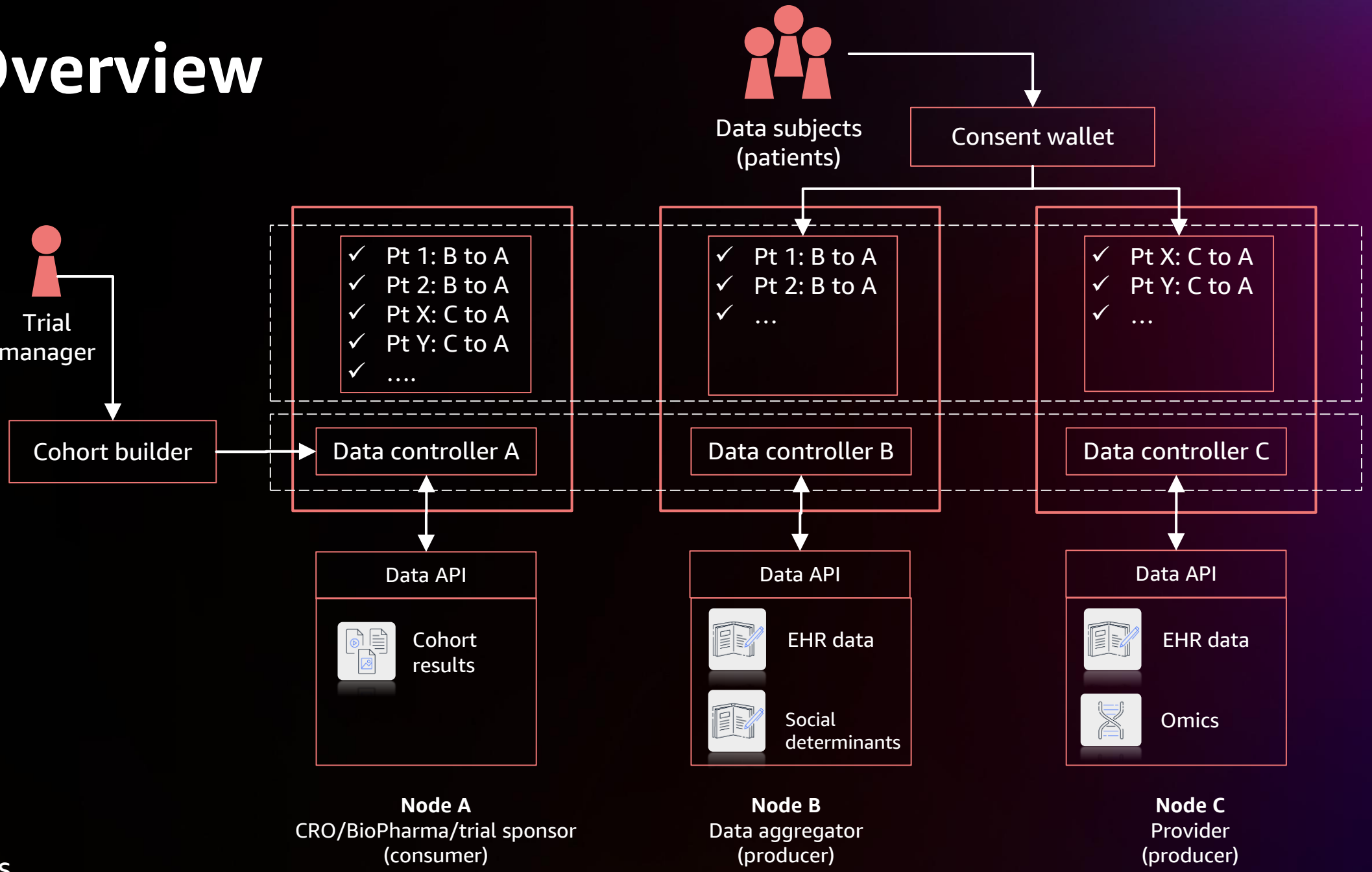
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Build cohort



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Overview



Node A
CRO/BioPharma/trial sponsor (consumer)

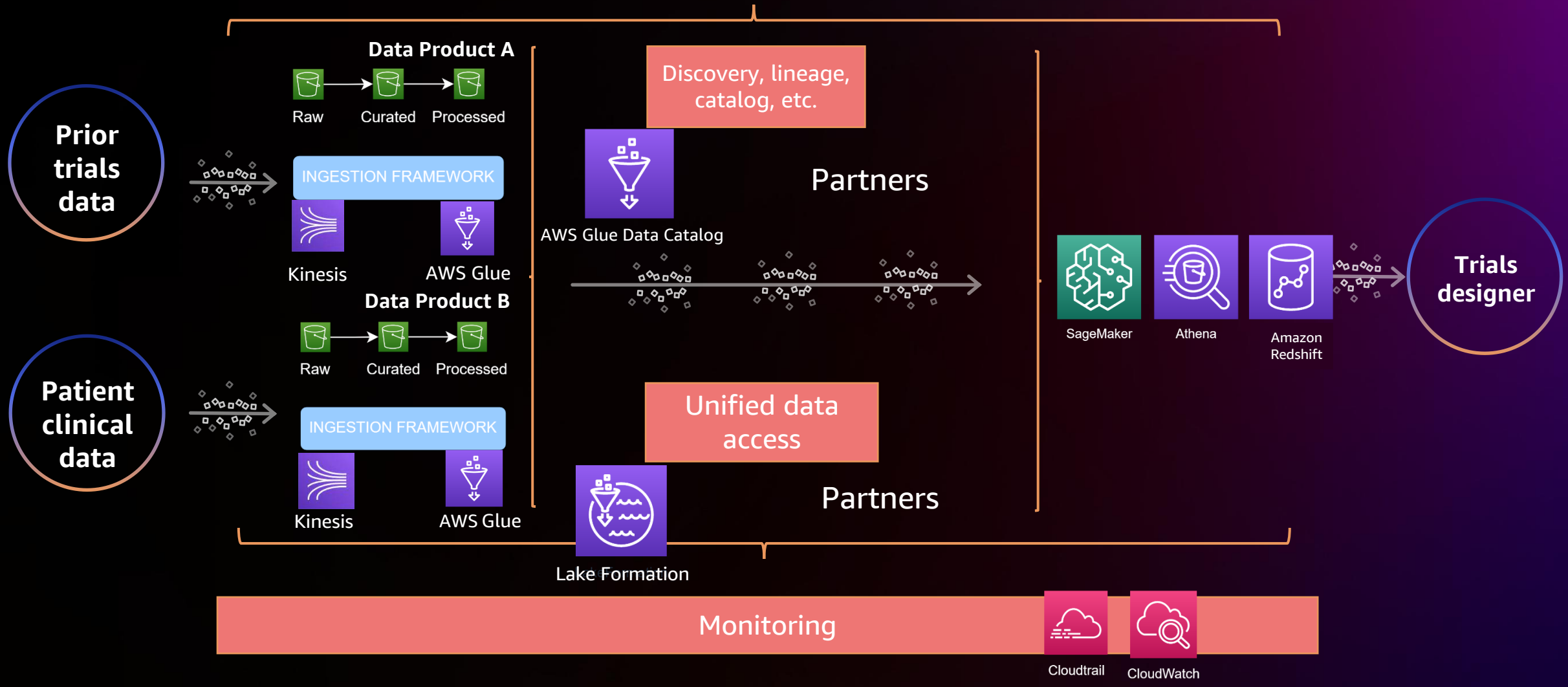
Node B
Data aggregator (producer)

Node C
Provider (producer)

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High-level governance architecture

SUPPORT USE CASES WITH THE RIGHT AWS AND PARTNER SOLUTIONS TO MEET CAPABILITY REQUIREMENTS



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What’s next?

Consent does not stand alone – operationalization requires additional capabilities to compliment and enable a consent utility

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Thank you!

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