

# THE POWER OF BEING UNDERSTOOD

# FUTURE OF TECHNOLOGY: AI AND BLOCKCHAIN

What is the next iteration of the internet evolution?



June 2024

# The Challenge of Technology-related Guidance

Technology is a fast, ever-changing area where nuanced details matter.

Blockchain in 2014 looks completely different in 2024 as it will look completely different in 2034.

As we think about these topics, we need to think about the principles which guide us not only today but well into the future.

*While the nuances matter, hopefully the principles and framework still apply.*

# So what exactly is a Blockchain anyways?

A Blockchain is a ledger where transactions are recorded and confirmed **anonymously**. It's a record of events that is **shared between many parties**. More importantly, once information is entered, **it cannot be altered**.

Blockchains are virtual computers that run on top of a network of physical computers that trade off performance (overhead of consensus mechanism) for the novel property that you can *make credible long-term commitments to users and developers.*

Chris Dixon

General Partner, Andreessen Horowitz



# Bitcoin was merely one of the first applications

“Blockchain is to Bitcoin, what the internet is to email. A big electronic system, on top of which you can build applications. Currency is just one.”

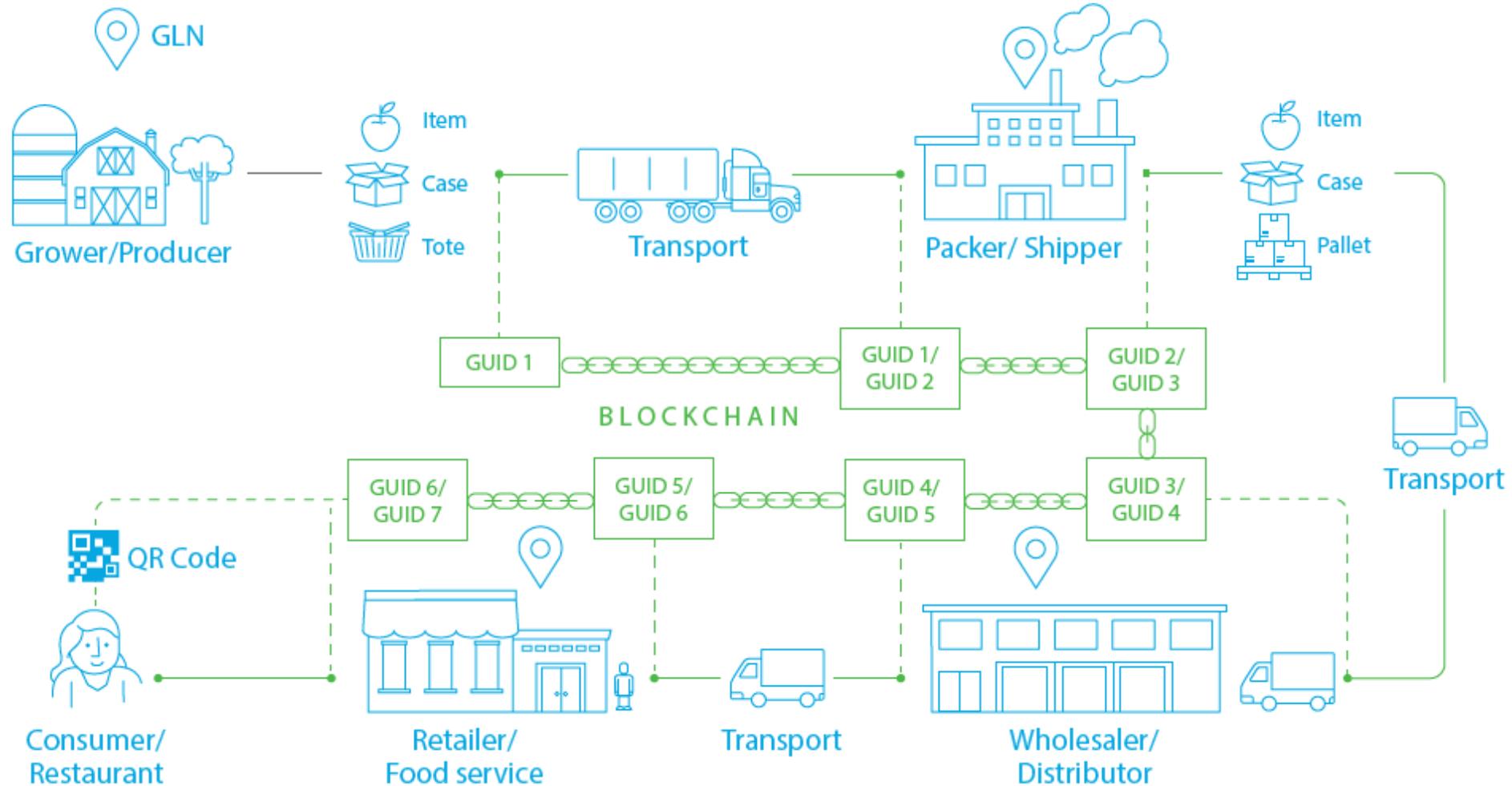
—Sally Davies

# Questions for Consideration

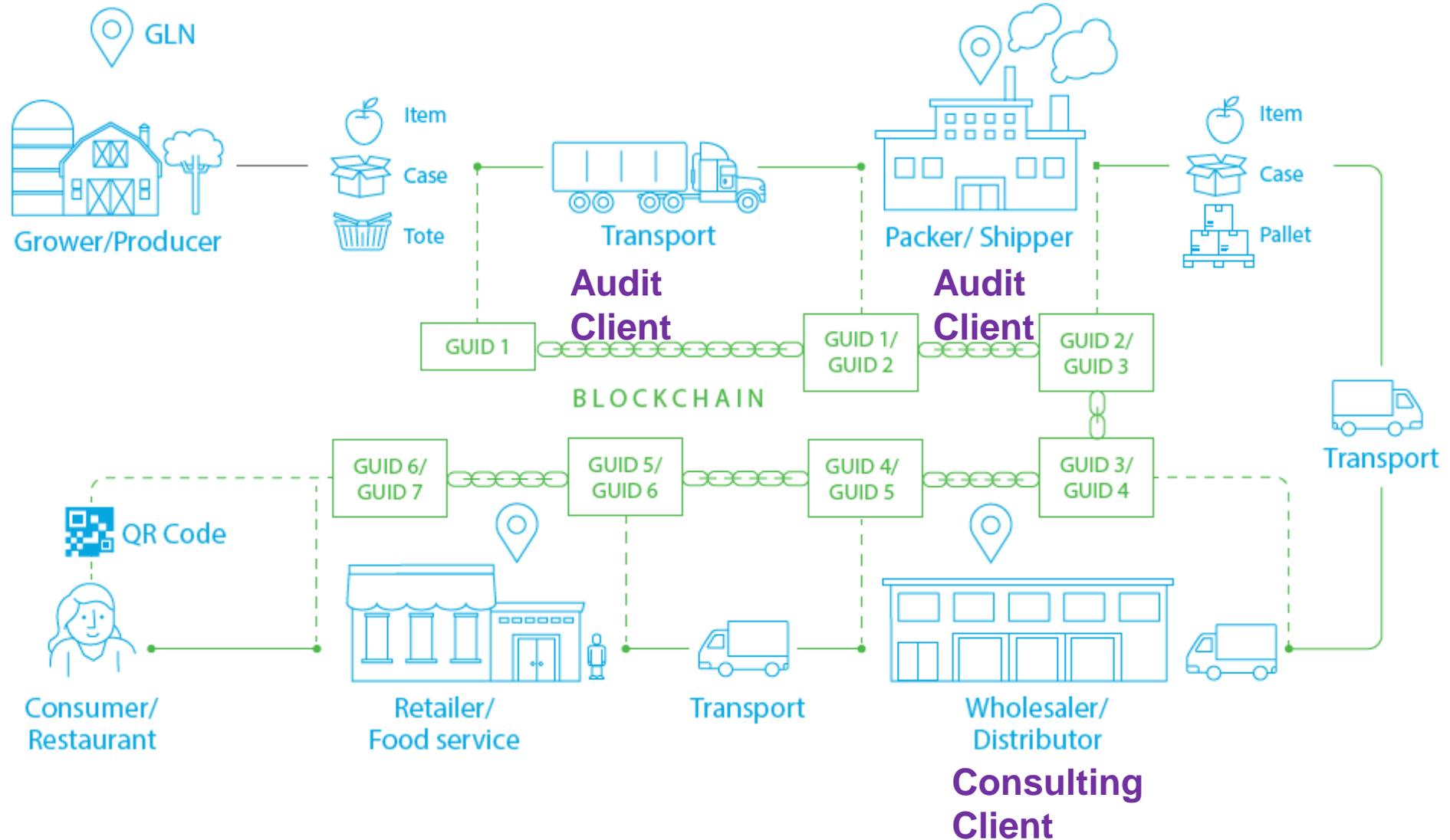
- If blockchains are immutable (permanent, unchangeable data), if there is a threat to independence, can you safeguard that threat to an acceptable level?
- What constitutes being 'independent' of a blockchain?

# BUILDING BLOCKCHAINS AND INDEPENDENCE

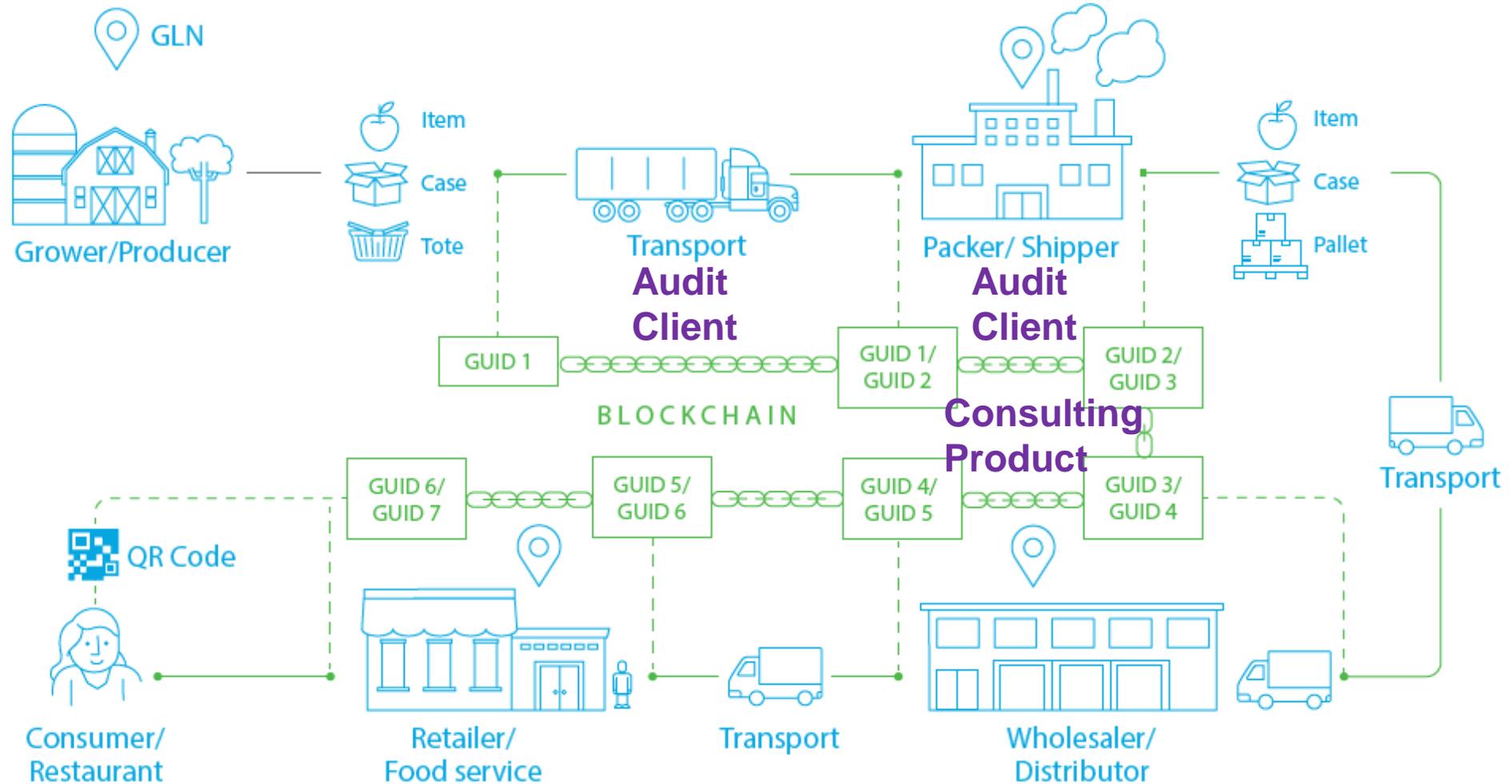
# Tracing Food on a Blockchain and Independence



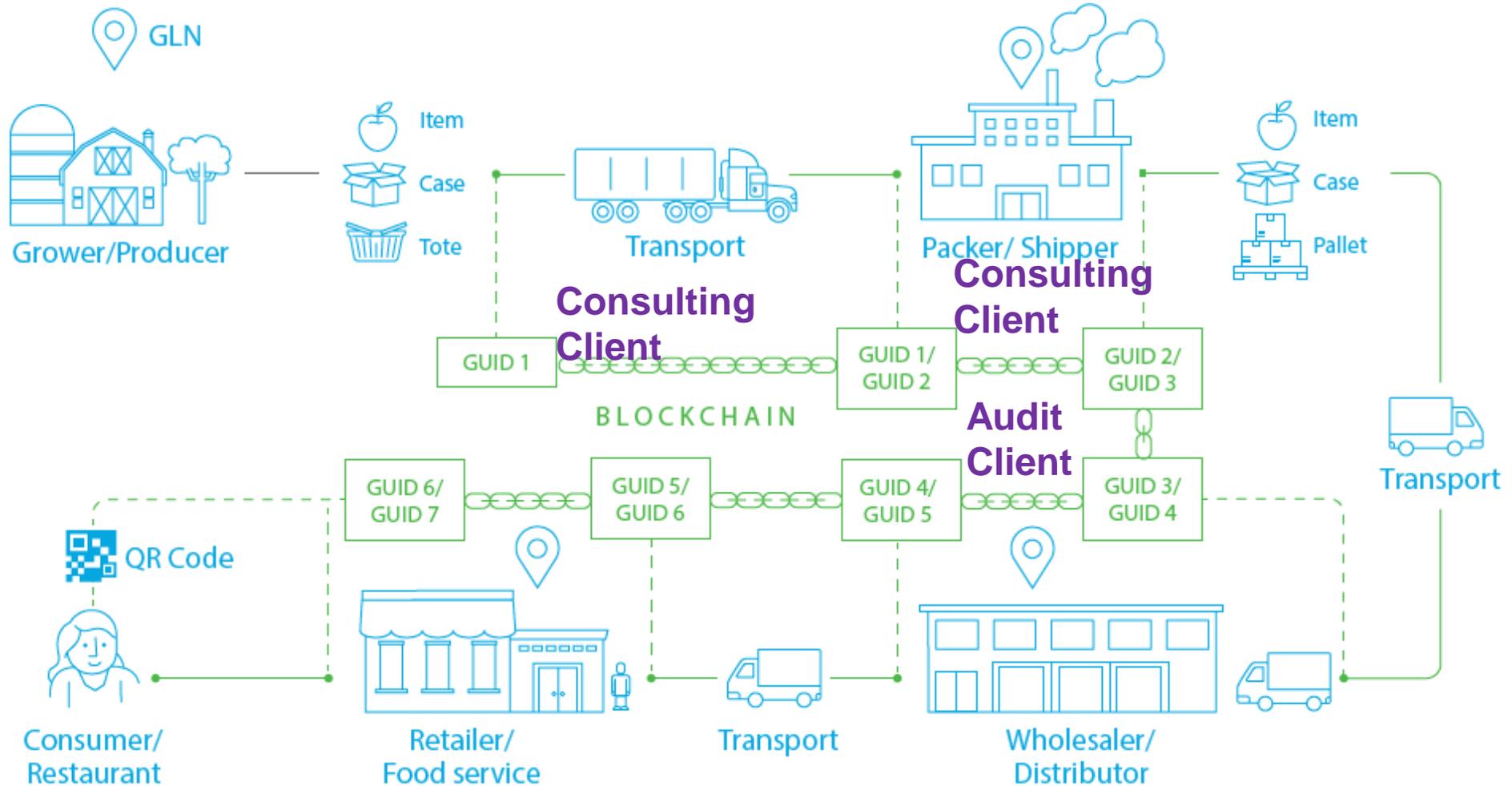
# Tracing Food on a Blockchain and Independence



# Tracing Food on a Blockchain and Independence



# Tracing Food on a Blockchain and Independence



# Questions for Consideration

- Does implementing a blockchain for a client analogous to implementing any other technology?
- As a shared database – potentially of financial data – how do you assess the intricacies of independence?
- How does the relationship that the users of the blockchain have change the potential threats to independence?

# BLOCKCHAIN AND AI

# Plausibly Looks Real or Real?

Is this photo real?



# Plausibly Looks Real or Real?

May 1, 2023

Met Gala

Jared Leto, dressed as Karl Lagerfeld's cat Choupette

Photo: Getty Images



# Plausibly Looks Real or Real?

Is this photo real?



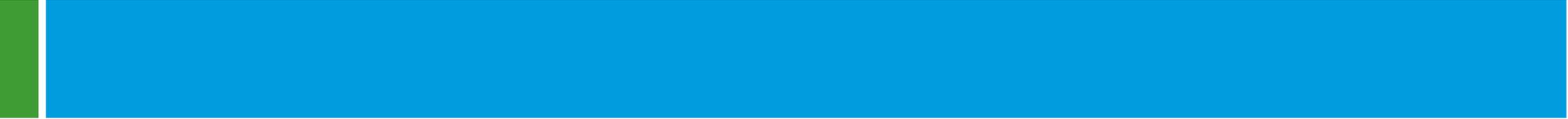
# Plausibly Looks Real or Real?

*Hollywood* REPORTER · 1d · on MSN

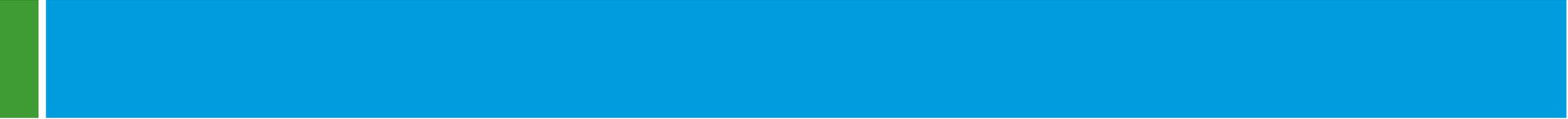
## Rihanna Is Surprise No-Show at Met Gala, and More Stars Who Skipped Fashion's Biggest Night

From concert tours and production schedules to a bout of the flu, find out why...





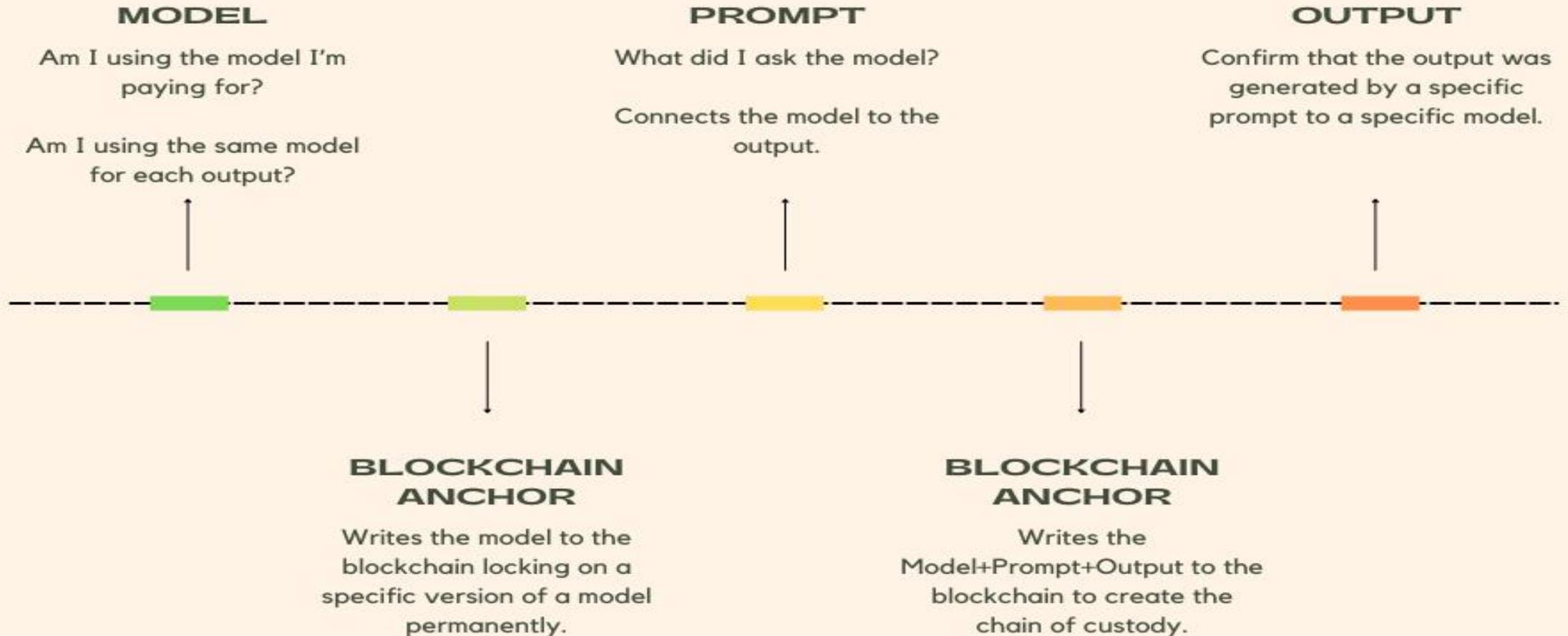
WE HAVE A TRUST PROBLEM



WE ALSO HAVE A PROVENANCE PROBLEM

# BUILDING TRUST IN A TRUSTLESS ECOSYSTEM

# CHAIN OF CUSTODY

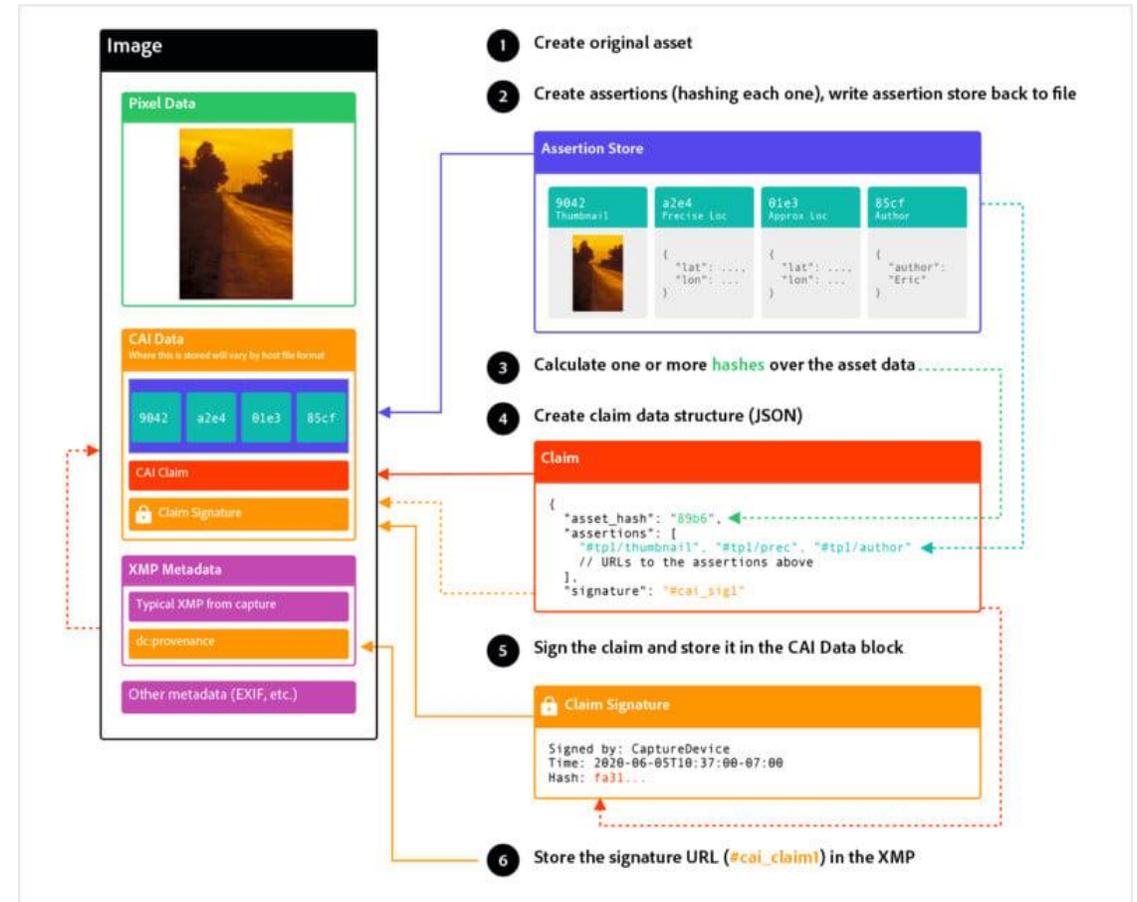


# What about REAL information?



**α7R V**  
33.0 MP  
10 fps  
4:2:2 10bit / 4K 60p

Exmor R BIONZ XR  
DualIS Sensor



# THE FUTURE OF THE INTERNET

# Blockchain vs AI

**BLOCKCHAIN**

VS

**AI**

Decentralized

Highly  
Centralized

Immutable

Generative

Open Source  
(mostly)

Closed Source  
(mostly)

GPUs!

GPUs!

Early on the  
adoption curve

Early on the  
adoption curve

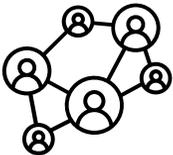
# The Future of The Internet



**Web1** (90' – 05') *Read Only* – Open protocols



**Web2** (05' – 20') *Read-Write* – Walled gardens



**Web3** (20' – ∞) *Read-Write-Execute* – Trustless infrastructure driven by a blockchain

# Questions for Consideration

- Does the independence framework support the constantly changing technology landscape?
- How do we address the concept of “decentralized” as it relates to independence?

# QUESTIONS AND ANSWERS

## RSM US LLP

Address

City

Phone

+1 800 274 3978

rsmus.com

This document contains general information, may be based on authorities that are subject to change, and is not a substitute for professional advice or services. This document does not constitute audit, tax, consulting, business, financial, investment, legal or other professional advice, and you should consult a qualified professional advisor before taking any action based on the information herein. RSM US LLP, its affiliates and related entities are not responsible for any loss resulting from or relating to reliance on this document by any person. Internal Revenue Service rules require us to inform you that this communication may be deemed a solicitation to provide tax services. This communication is being sent to individuals who have subscribed to receive it or who we believe would have an interest in the topics discussed.

RSM US LLP is a limited liability partnership and the U.S. member firm of RSM International, a global network of independent audit, tax and consulting firms. The member firms of RSM International collaborate to provide services to global clients, but are separate and distinct legal entities that cannot obligate each other. Each member firm is responsible only for its own acts and omissions, and not those of any other party. Visit [rsmus.com/aboutus](http://rsmus.com/aboutus) for more information regarding RSM US LLP and RSM International.

RSM, the RSM logo and *the power of being understood* are registered trademarks of RSM International Association.

© 2021 RSM US LLP. All Rights Reserved.