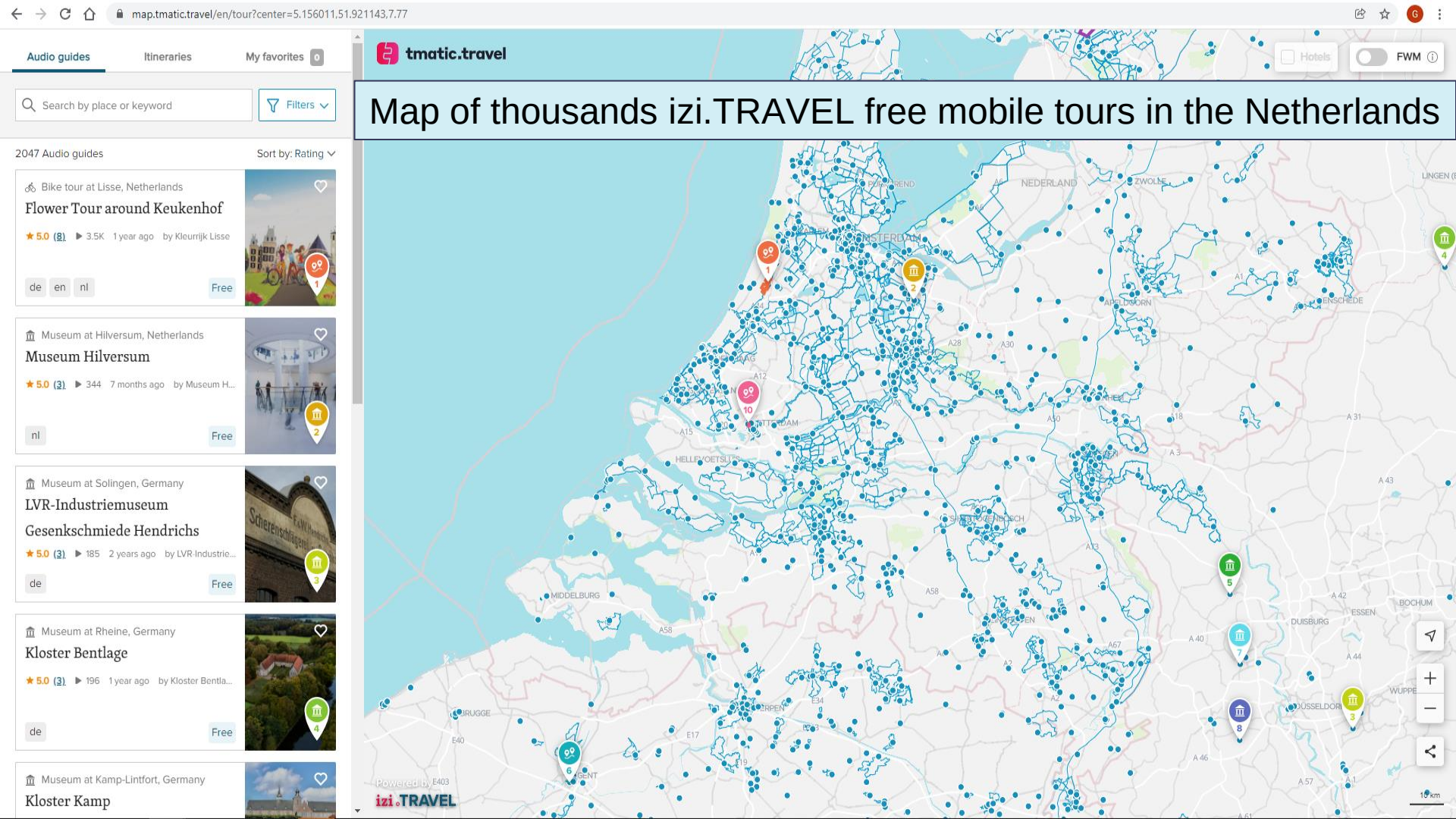
Web 3.0 Quest

The Post-Platforms Puzzle

Presented by:
Alex Tourski
postplatforms.org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Bike tour at Lisse, Netherlands
Flower Tour around Keukenhof
★ 5.0 (8) ▶ 3.5K 1 year ago by Kleurrijk Lisse
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Museum Hilversum
★ 5.0 (3) ▶ 344 7 months ago by Museum H...
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Free
Museum at Solingen, Germany
LVR-Industriemuseum
Gesenkschmiede Hendrichs
★ 5.0 (3) ▶ 185 2 years ago by LVR-Industrie...
de
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Museum at Rheine, Germany
Kloster Bentlage
★ 5.0 (3) ▶ 196 1 year ago by Kloster Bentla...
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Kloster Kamp
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map.tmatic.travel/en/tour/003d-flower-tour-around-keukenhof/en/2?center=4.544181,52.258590,13.24

Bike Tour at Lisse, Netherlands

Flower Tour around Keukenhof

★5.0 8 scores ▶3.5K 1 year ago Free

English | Autoplay Tour

Tour summary

00:00:00 - 00:00:22

Welcome to the Flower Tour!
Thanks for joining us on this cycle ride in the Keukenhof area. During the Flower Tour, you will learn all about the ri...

Read more

1 Tulip fact | Tulip varieties

2 Keukenhof Estate

Keukenhof Estate

00:00:00

Share

Keukenhof Gardens is part of Keukenhof Estate. The name Keukenhof is derived from 'Keukenduin', a dune area which once belonged to Slot Teylingen. Adriaen Maertenszoon...

Read more

Prev Next

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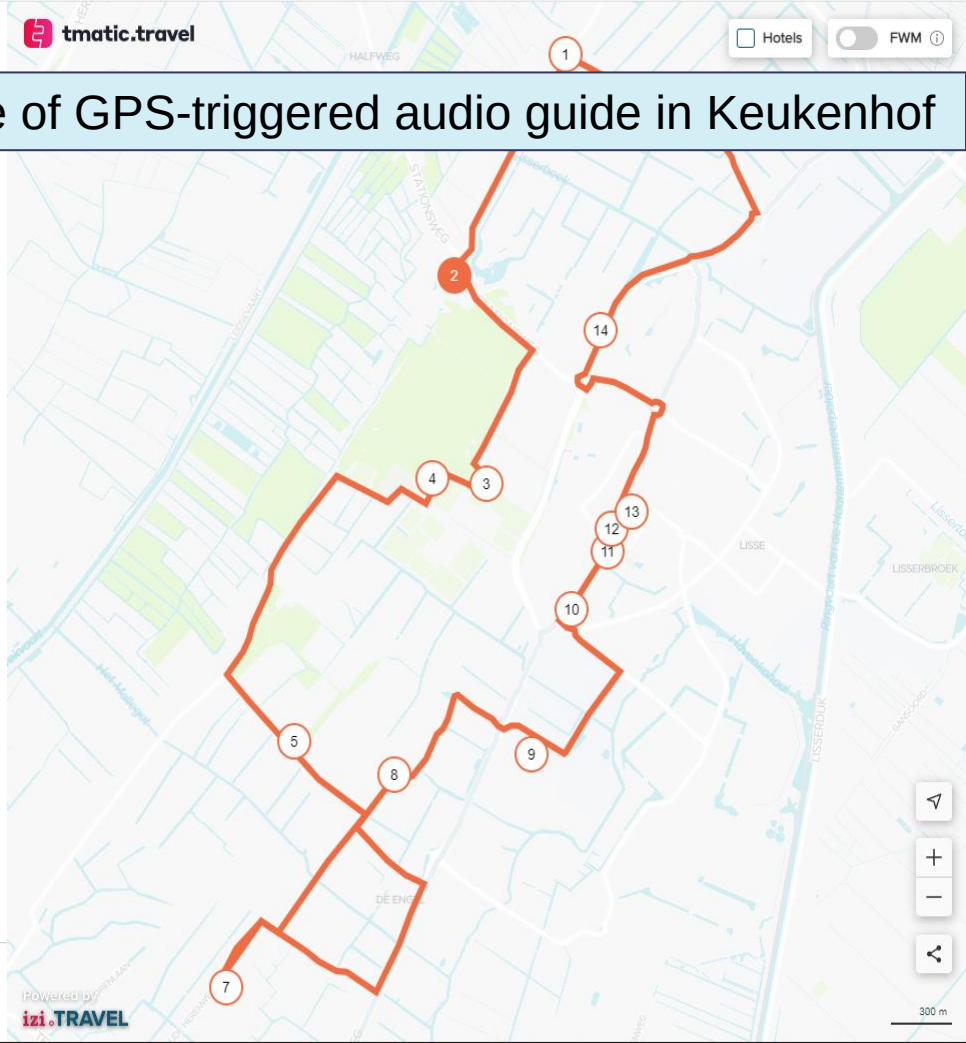
Hotels FWM

Example of GPS-triggered audio guide in Keukenhof



Digital World Issues

Platform issues
- We have to publish several times
- No communication between platforms
- We cannot switch platforms
- We do not own our data
- Platforms can ban any user at will
- Platforms enjoy MONOPOLY

Security issues
- Hundreds of logins/passwords
- Lack of trust
- Most Internet services are insecure
- Lack of services like e-voting, encryption, signatures

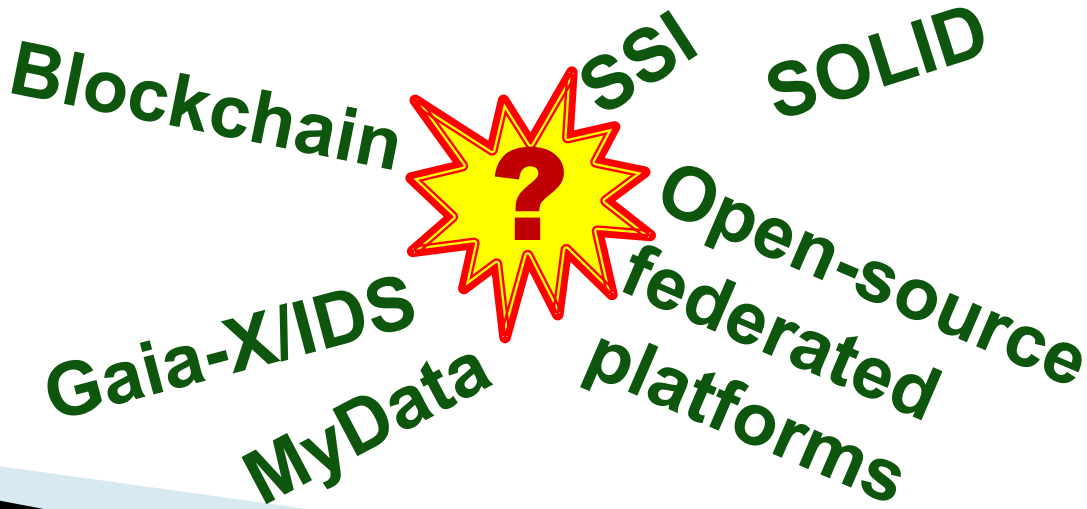
Social issues
- Inequality grows
- Fake news and no trust
- Internet is not a free zone
- “1984” in China
- Our digital life importance grows but we do not know what to do

Technical issues
- Different ontologies
- Silos Data
- DOS attack of “Copies”
- We are loosing data in confusion

The next gen Web dream

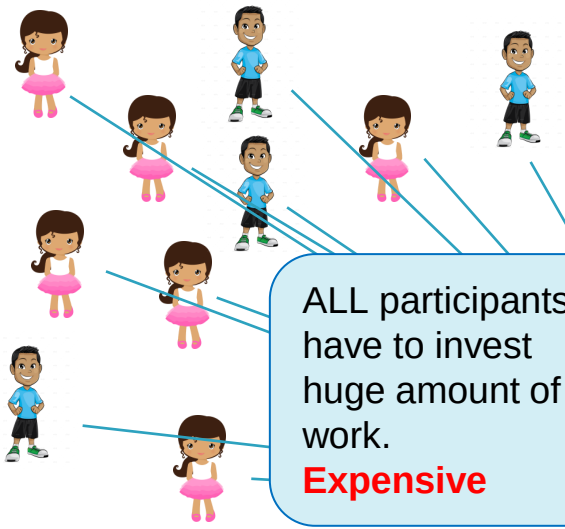
- The New Decentralized Internet
- People own their data
- “Data at origin”
- Democratic system
- Secure
- True Ubiquity (towards IoT)
- Open protocols
- Dynamic data structures
- Interoperability
- European Data Space

Candidates:



Blockchain discussion

Zero trust world

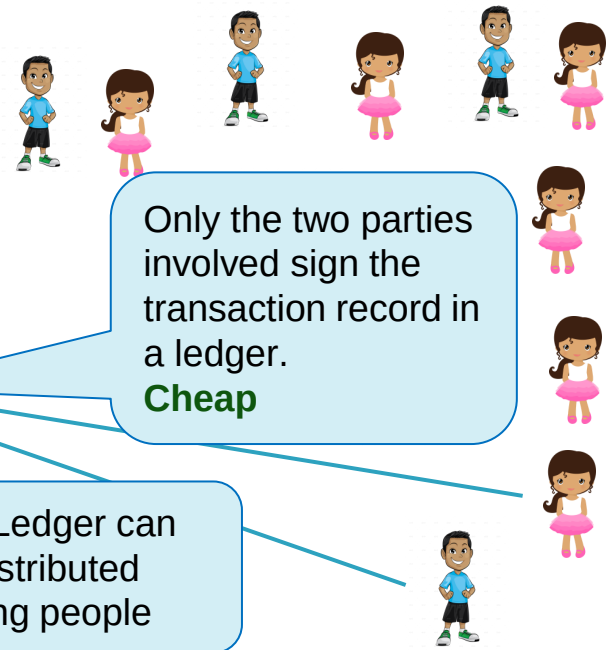


ALL participants have to invest huge amount of work.
Expensive

The Ledger HAS to be global

Debit	Credit	Sum
#548	#488	€32
#765	#756	€233
#064	#239	€1
#236	#969	€24
#230	#235	€290
#233	#987	€112
#892	#233	€78

Trusted world
(technologically ensured)



Only the two parties involved sign the transaction record in a ledger.
Cheap

The Ledger can be distributed among people

Solution: Web 3.0 dream

No one knows what is Web 3.0, but we have some ideas:

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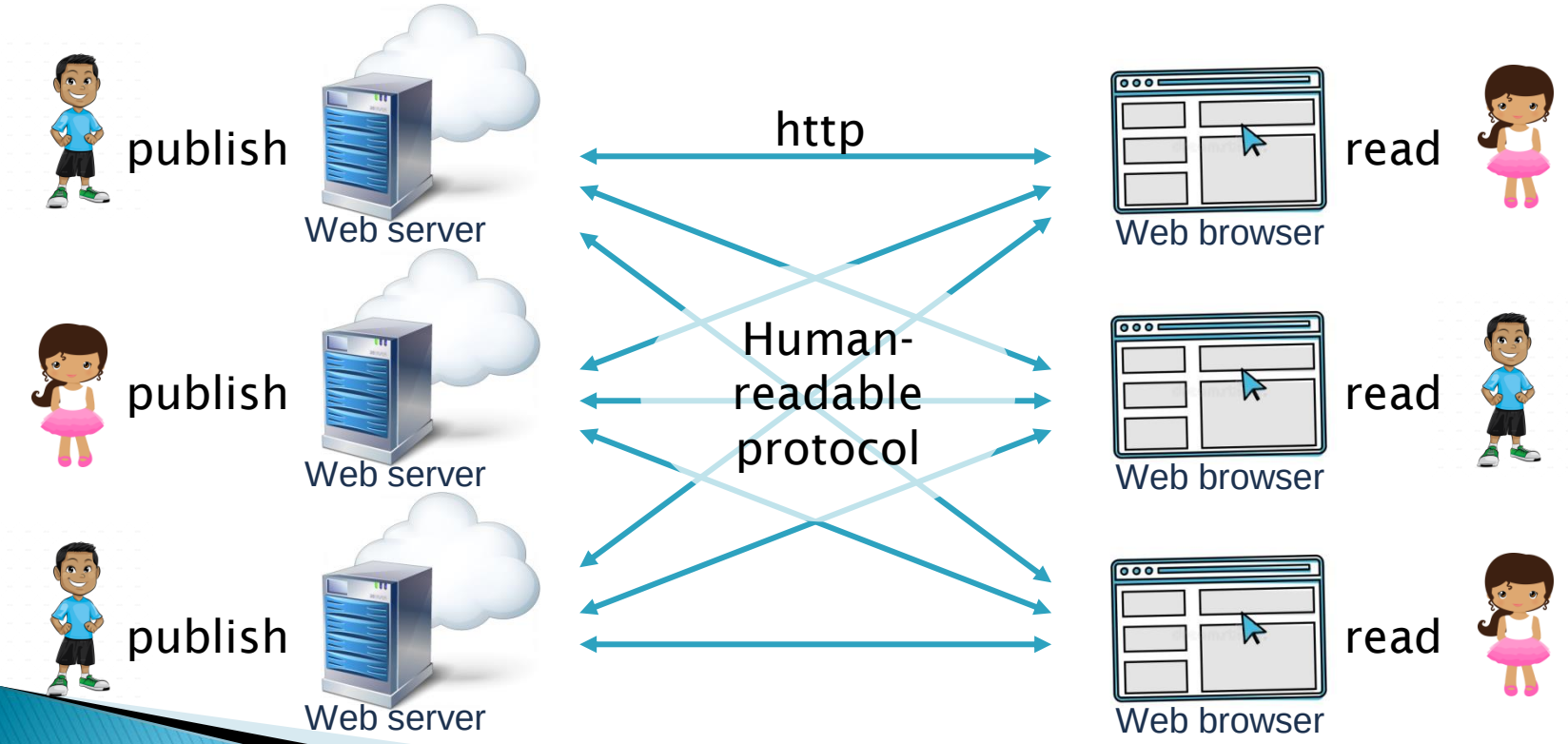
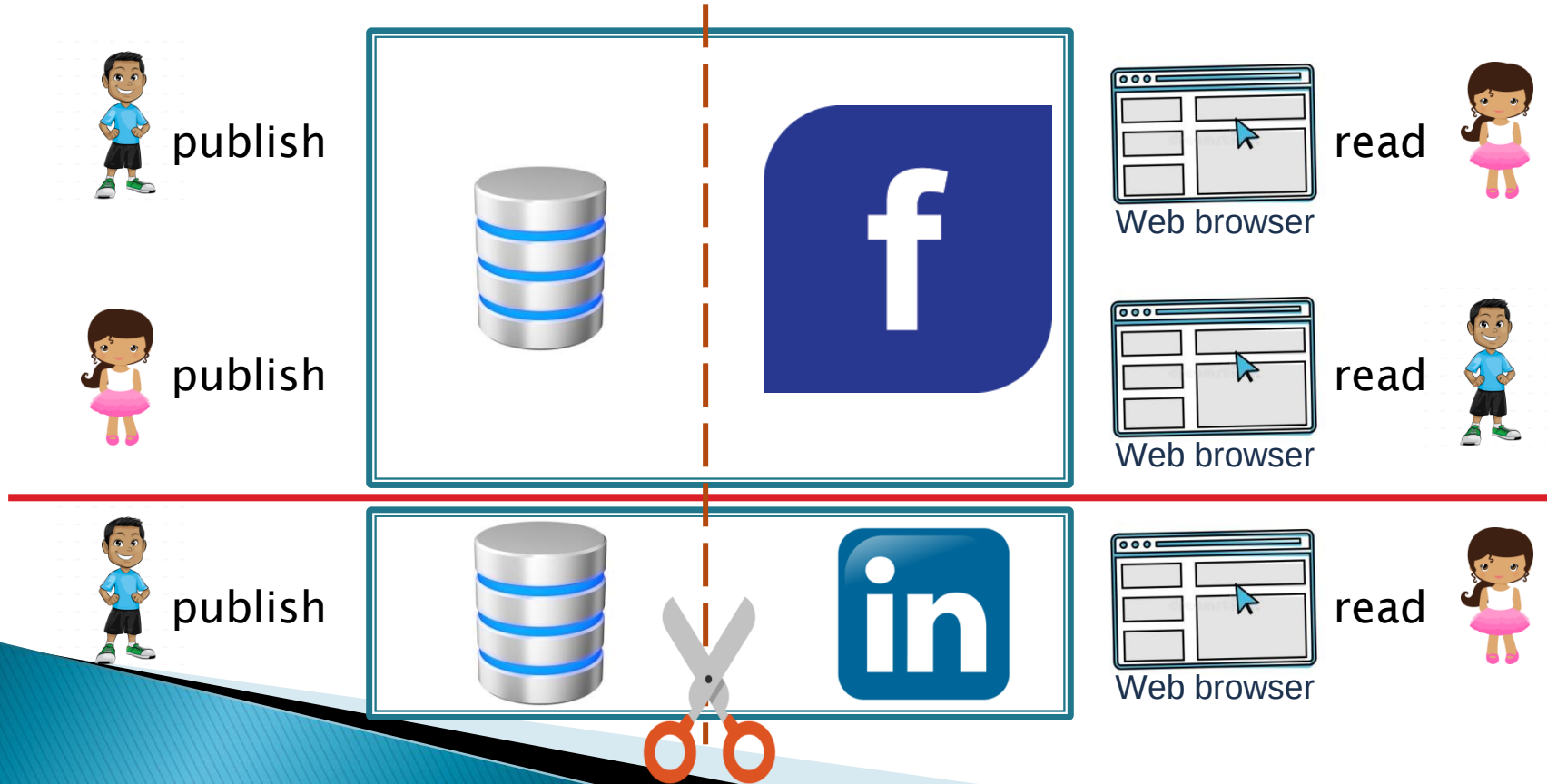
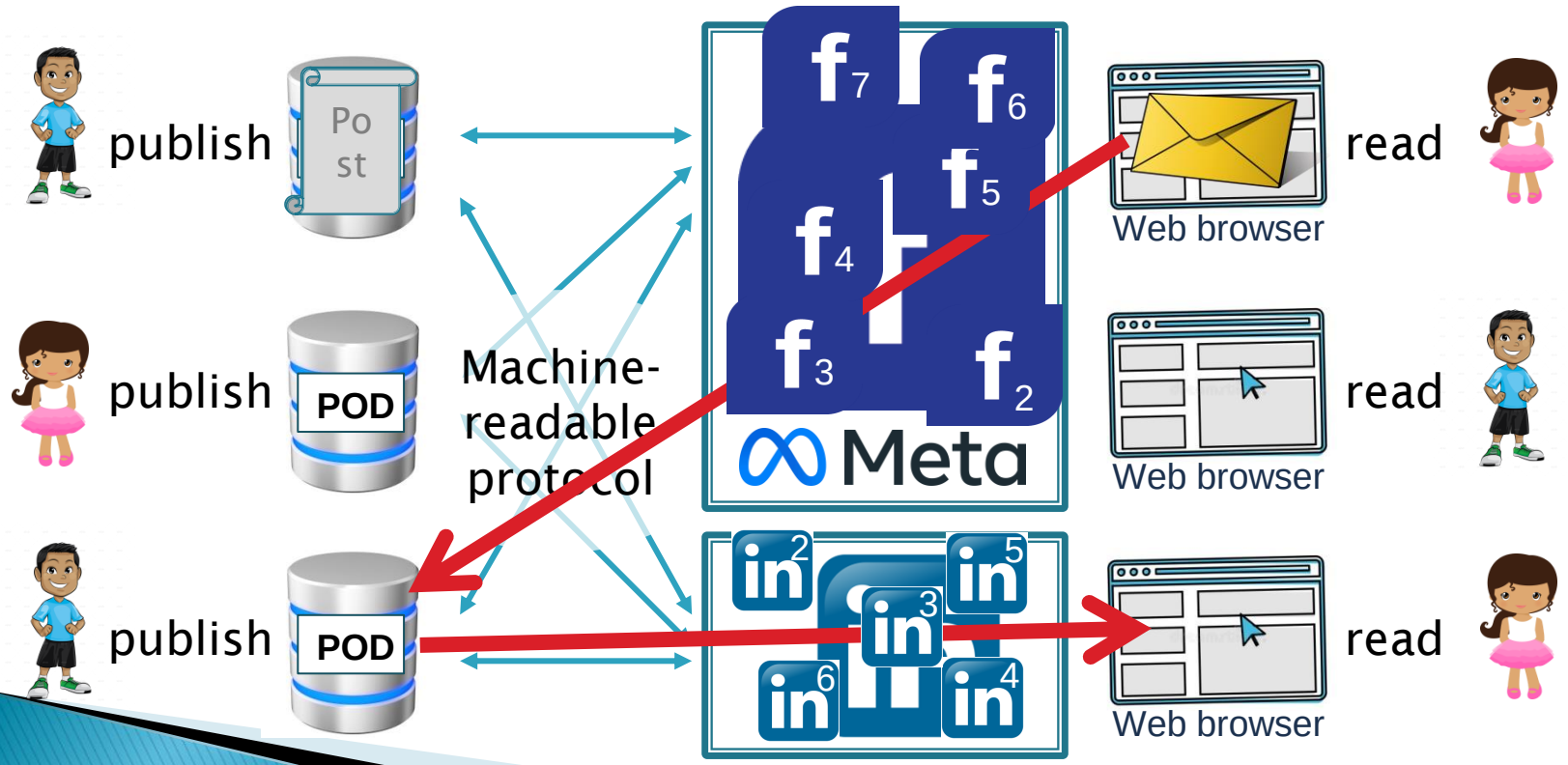
History: Web 1.0



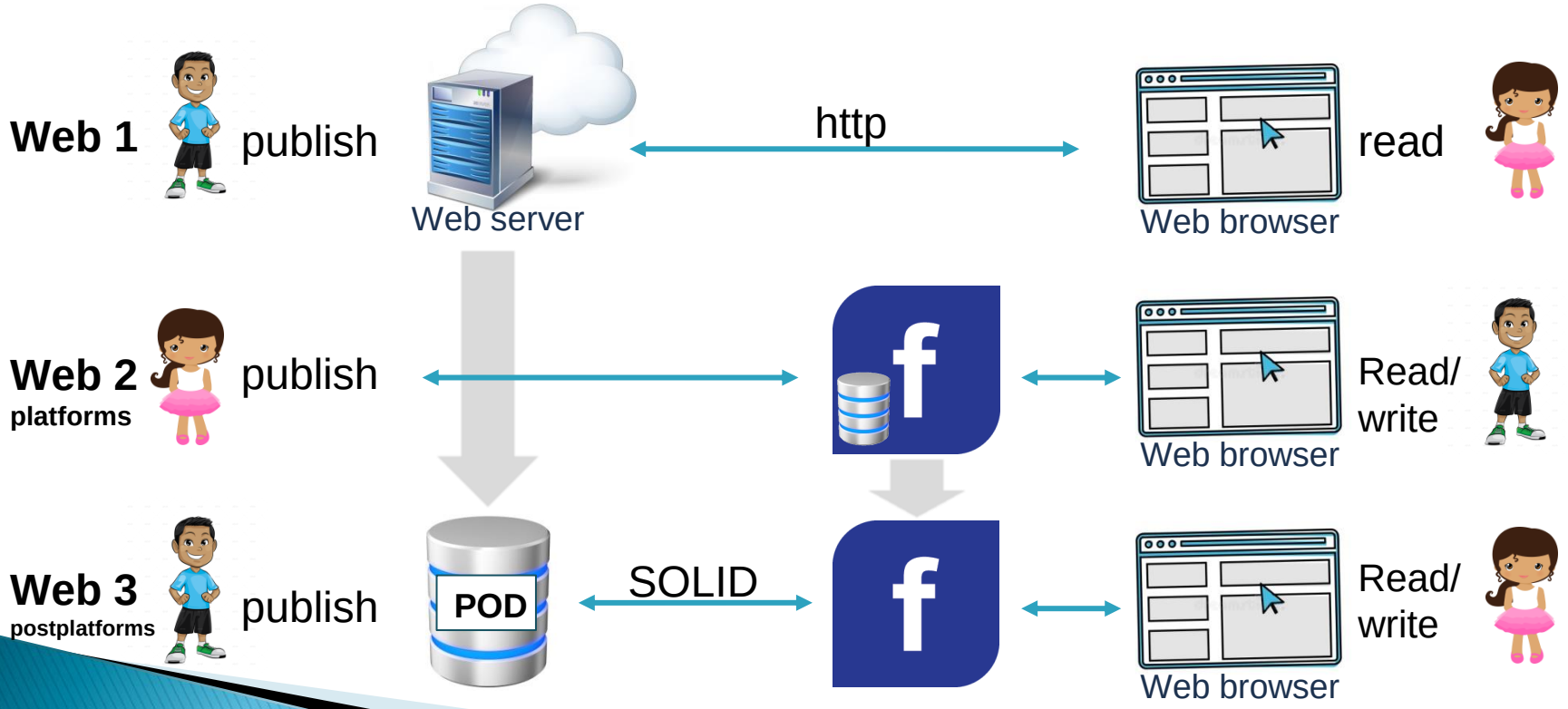
History: Platforms (Web 2.0)



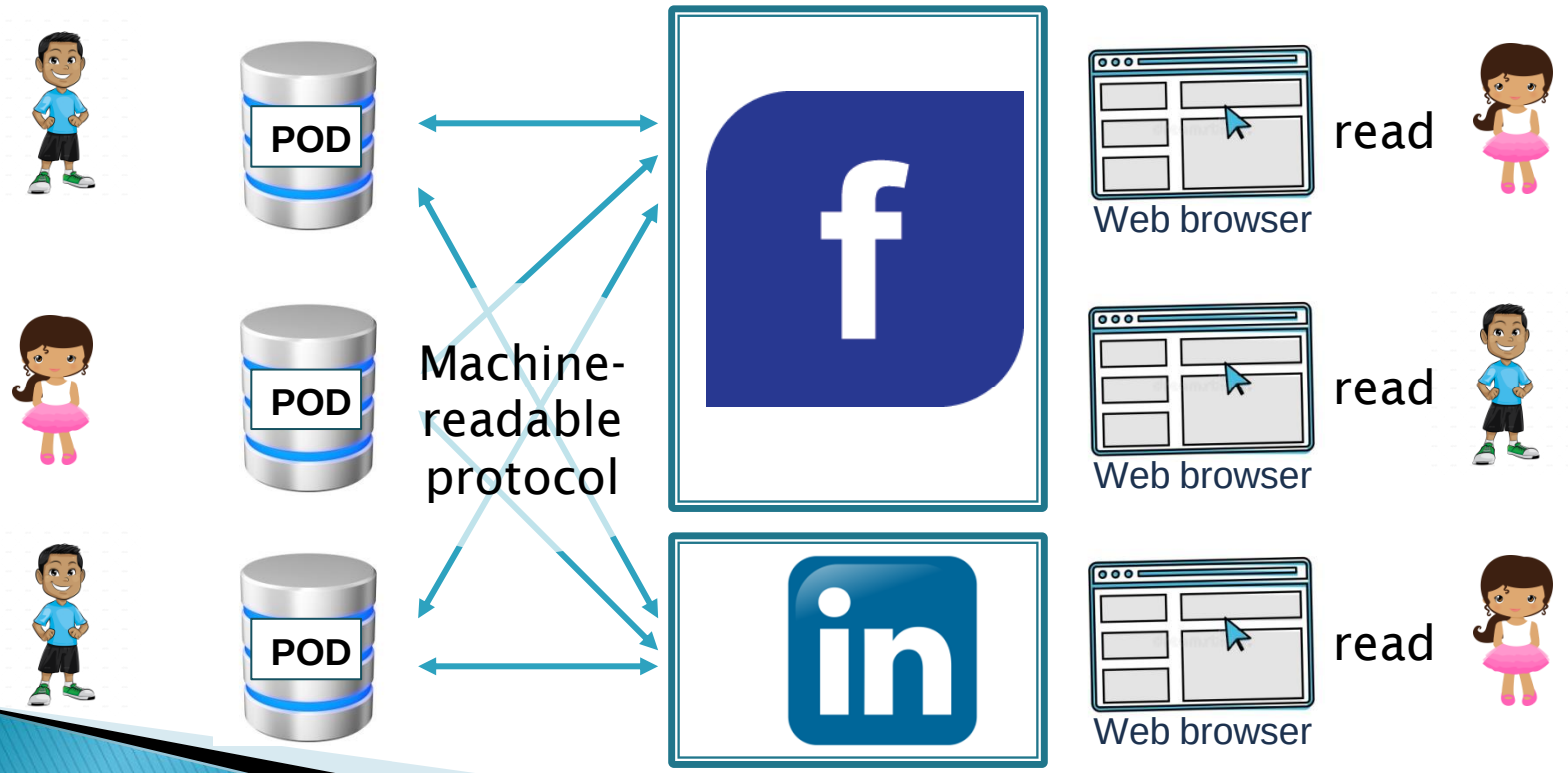
Future: Post-Platforms (Web 3.0)



Web History overview



Where can we use PODs?



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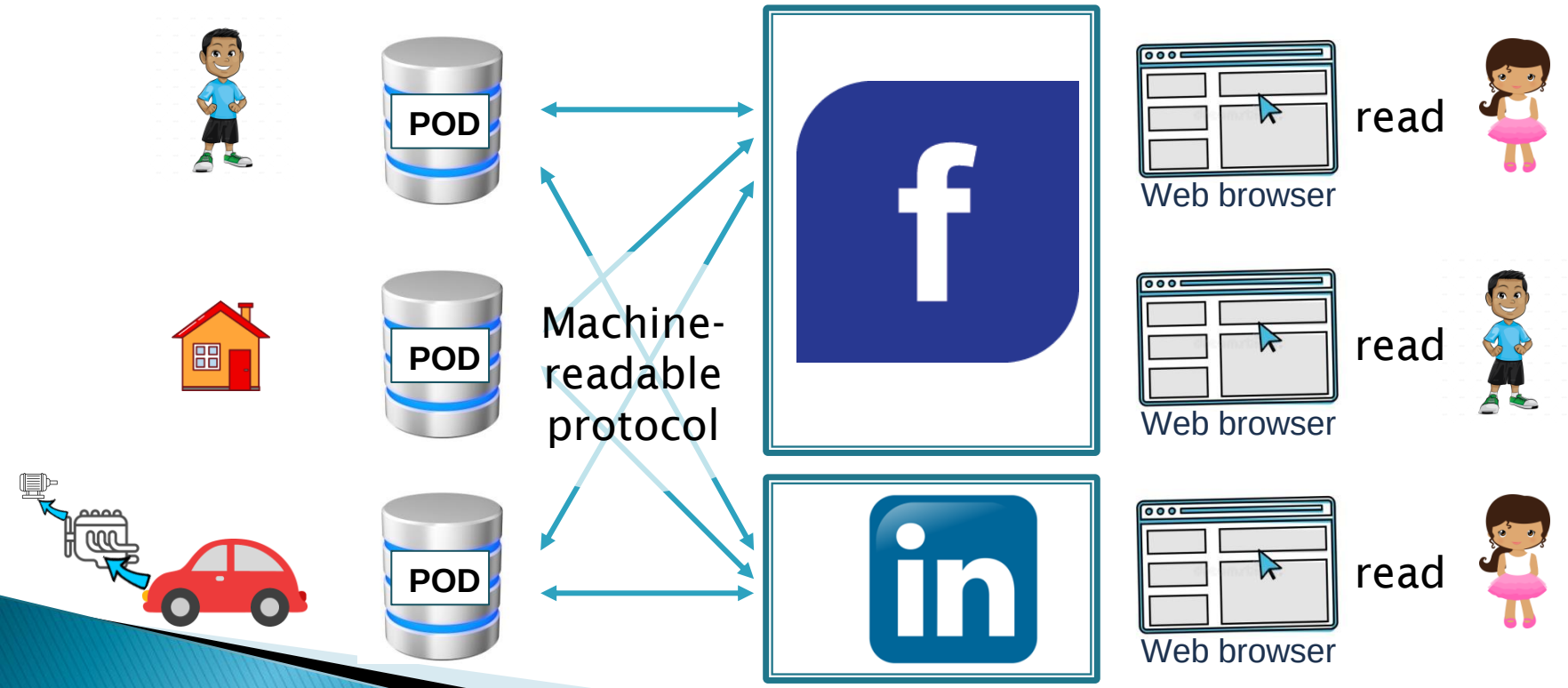
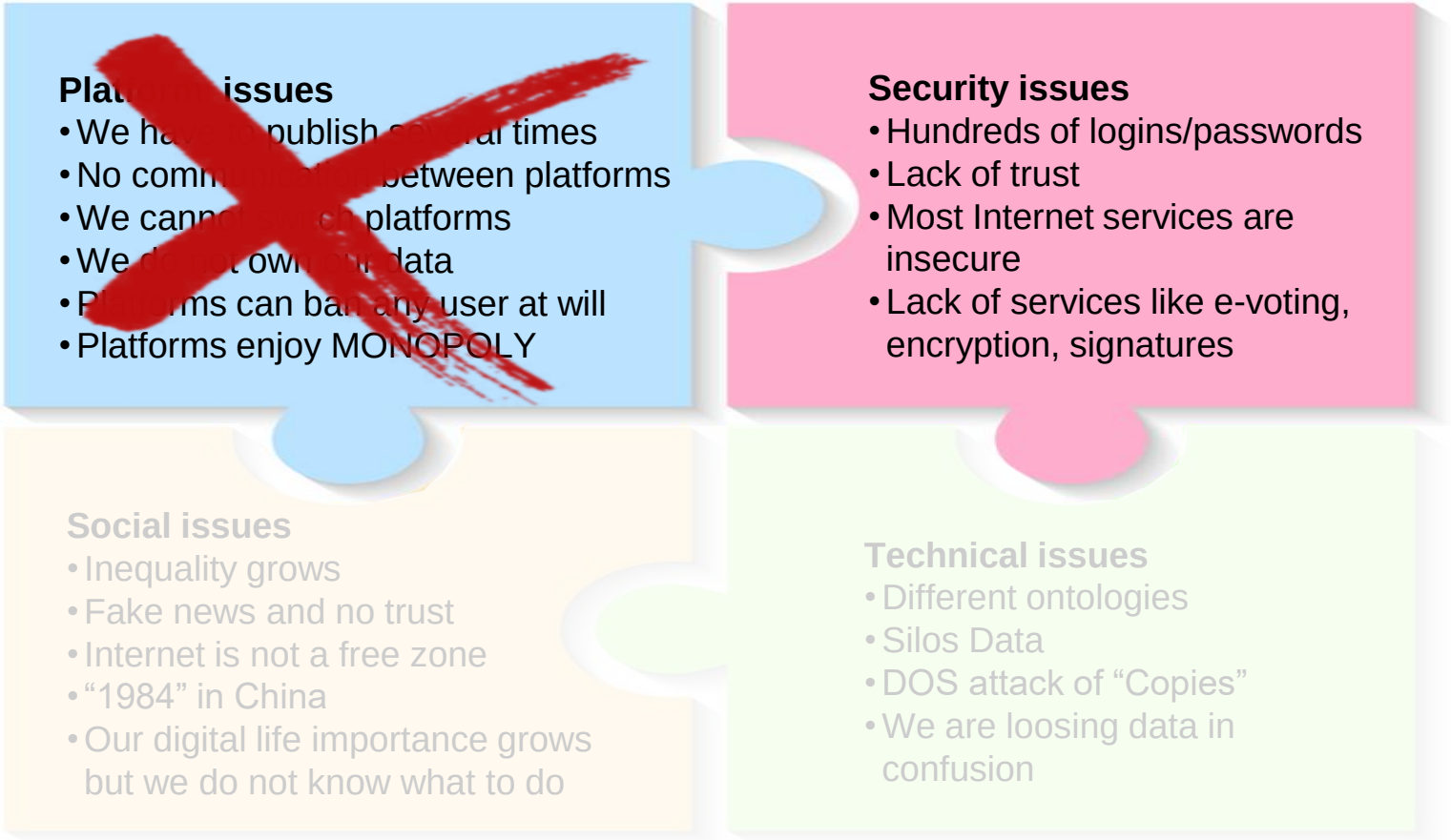
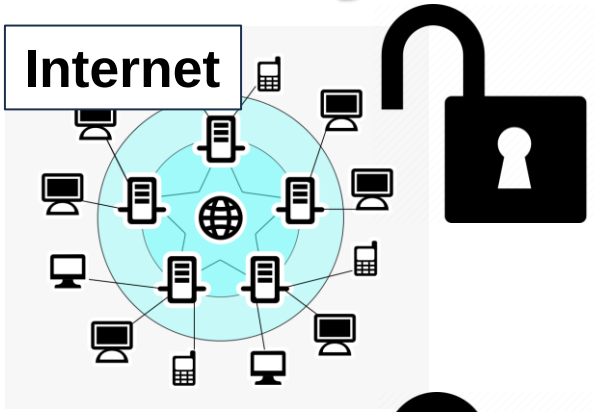


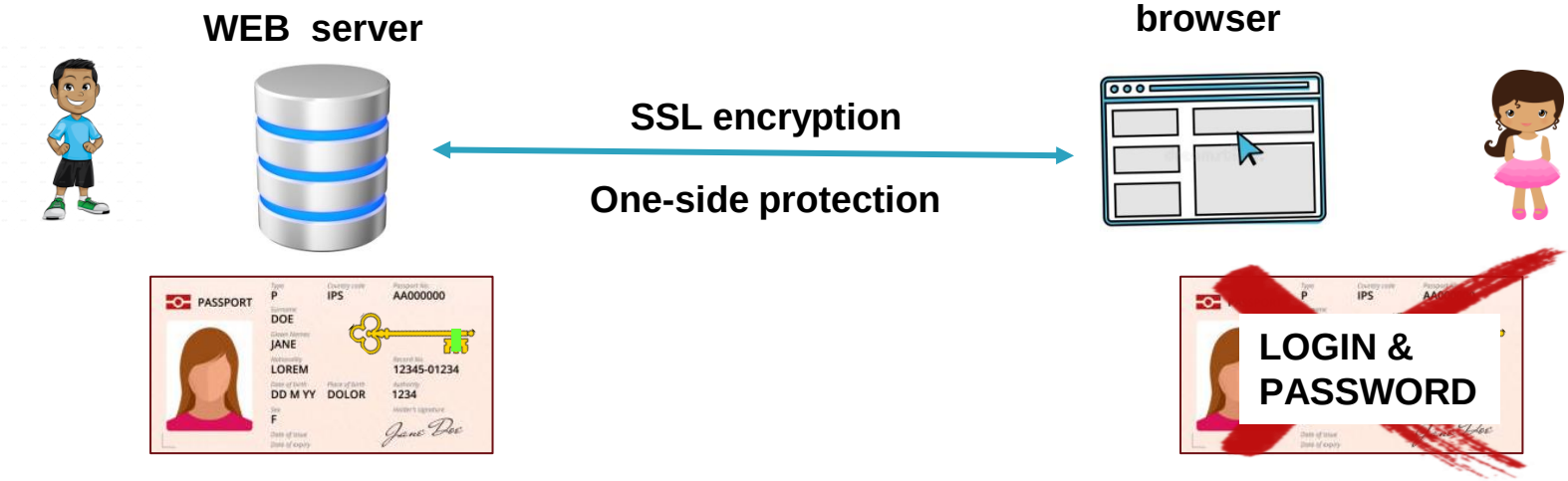
Digital World Issues



Security at the core

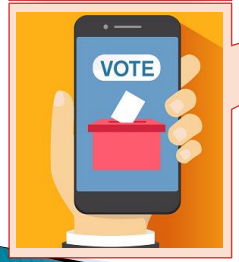


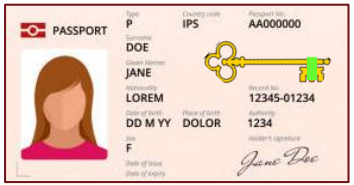
Web security: SSL

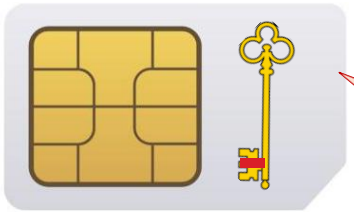


Security at the core

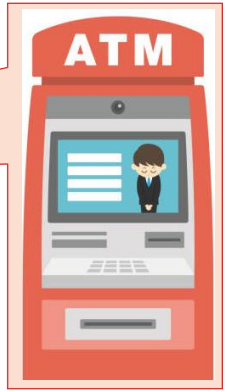
How will we use our Key/e-passport?

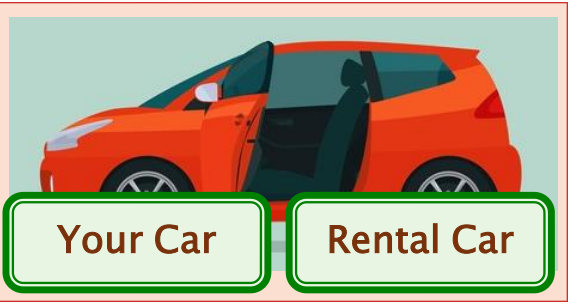






- Your house
- Hotel
- Office
- Visiting Office

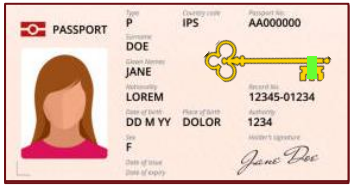




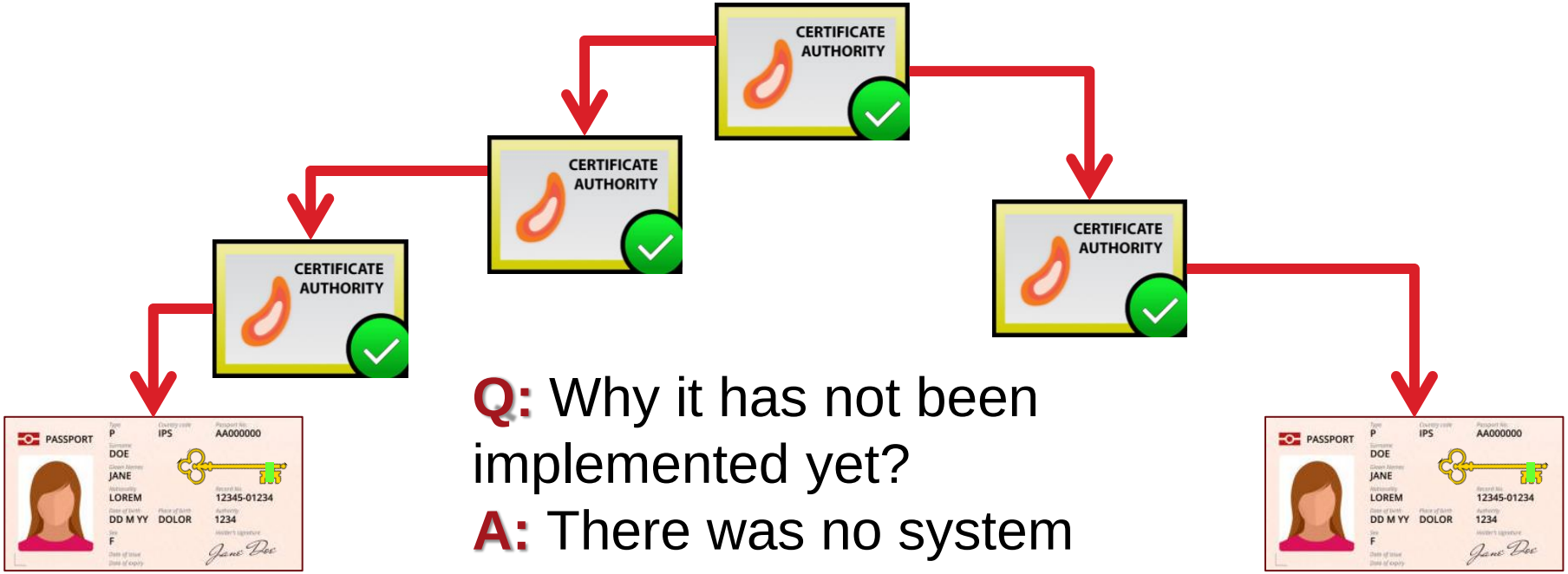
- Your Car
- Rental Car

And yes, there will be no more logins/passwords, spam etc

Why don’t we have it already?



Public Key Infrastructure (PKI)

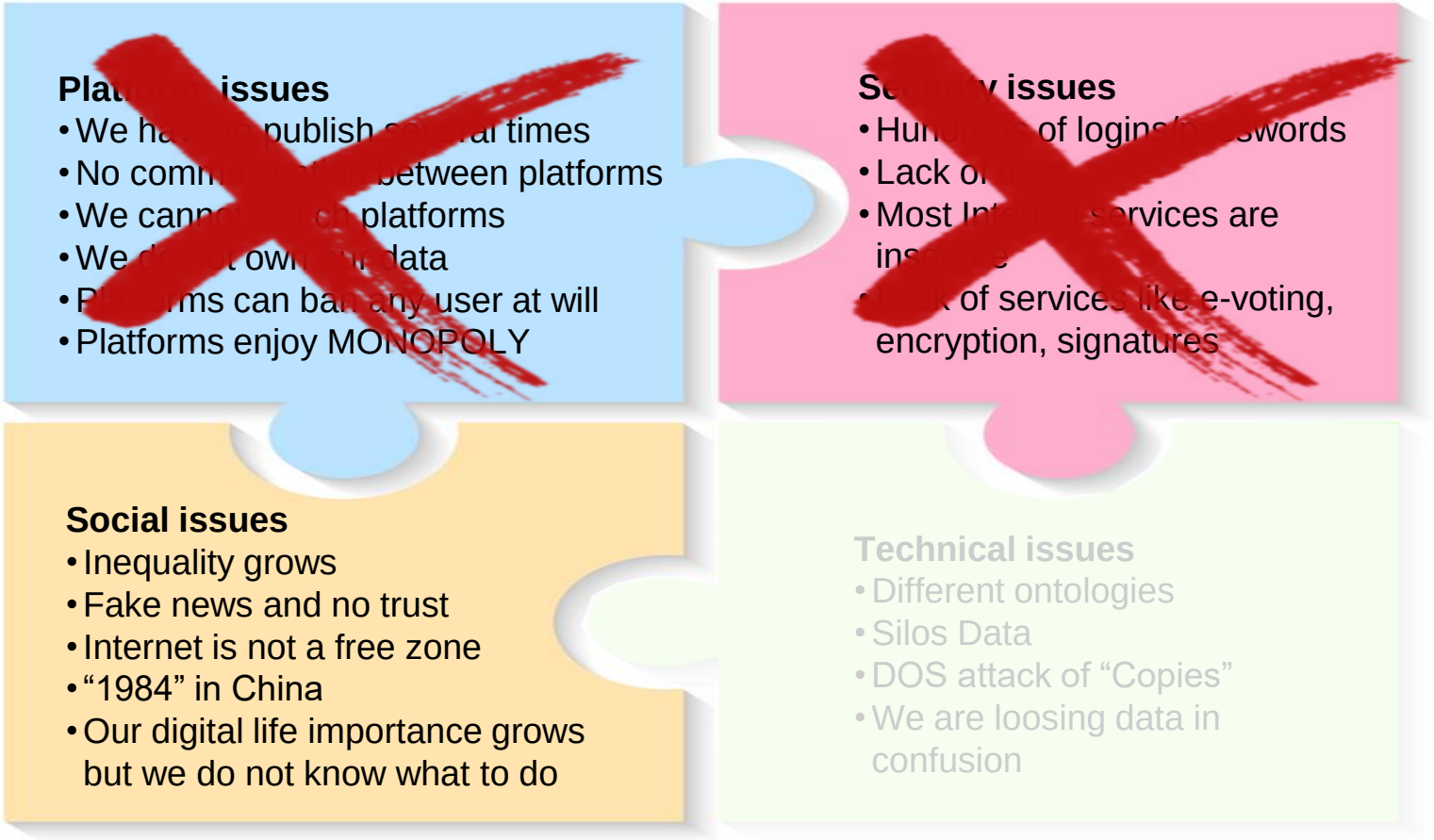


Q: Why it has not been implemented yet?

A: There was no system large enough to justify efforts

Web 3.0 is big enough to implement the global PKI

Digital World Issues



What are opportunities of Post-Platforms?

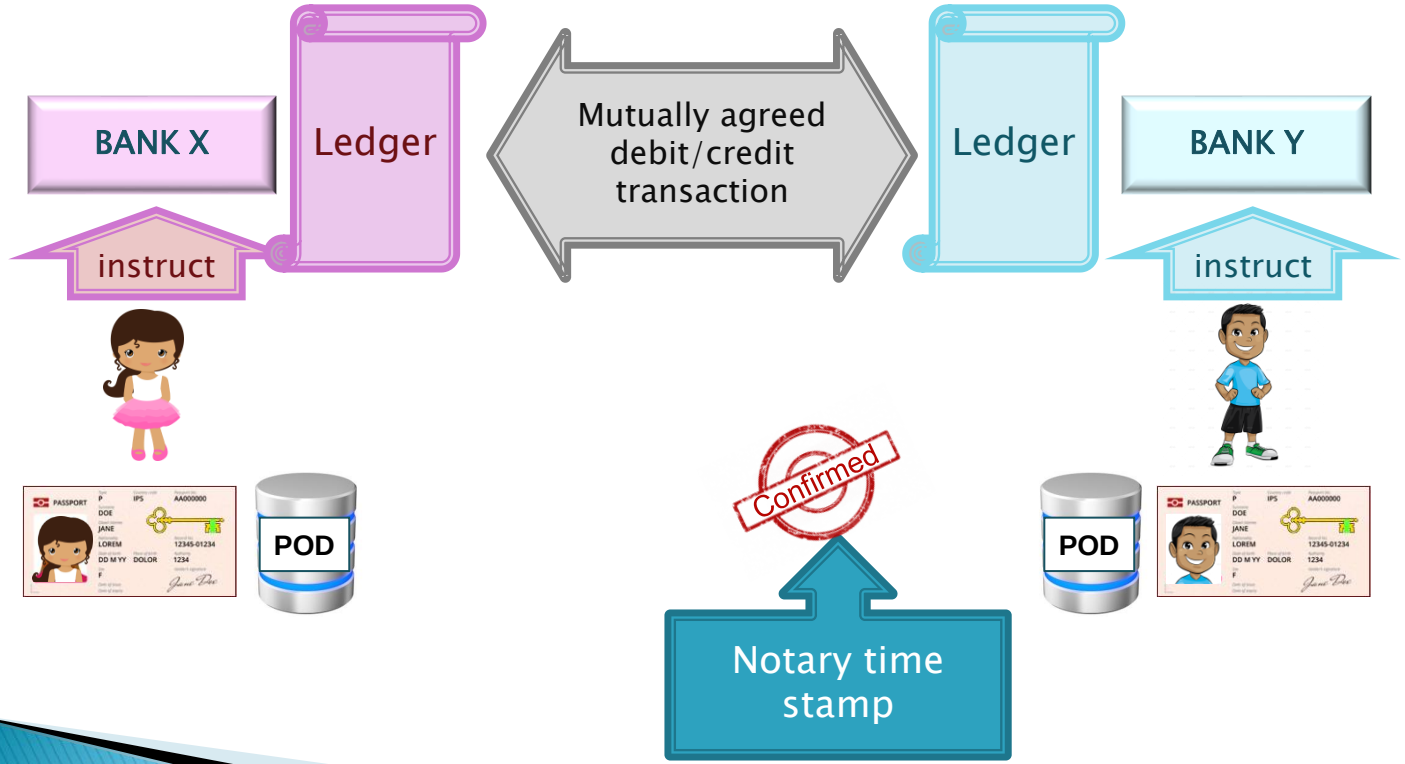
Just like WWW, Post-platforms can be used in many businesses

- Accommodation
- IoT
- Real Estate
- Open Publishing
  - in Science
  - in Music
  - in Films etc
- Banks
- Mobile operators
- Medical records

On top of that Post-Platforms will affect fundamental things

- e-passport
- Security
- e-voting
- e-money

e-Money


BANK X
Ledger
instruct
Mutually agreed debit/credit transaction
Ledger
BANK Y
instruct
POD
Confirmed
Notary time stamp
POD

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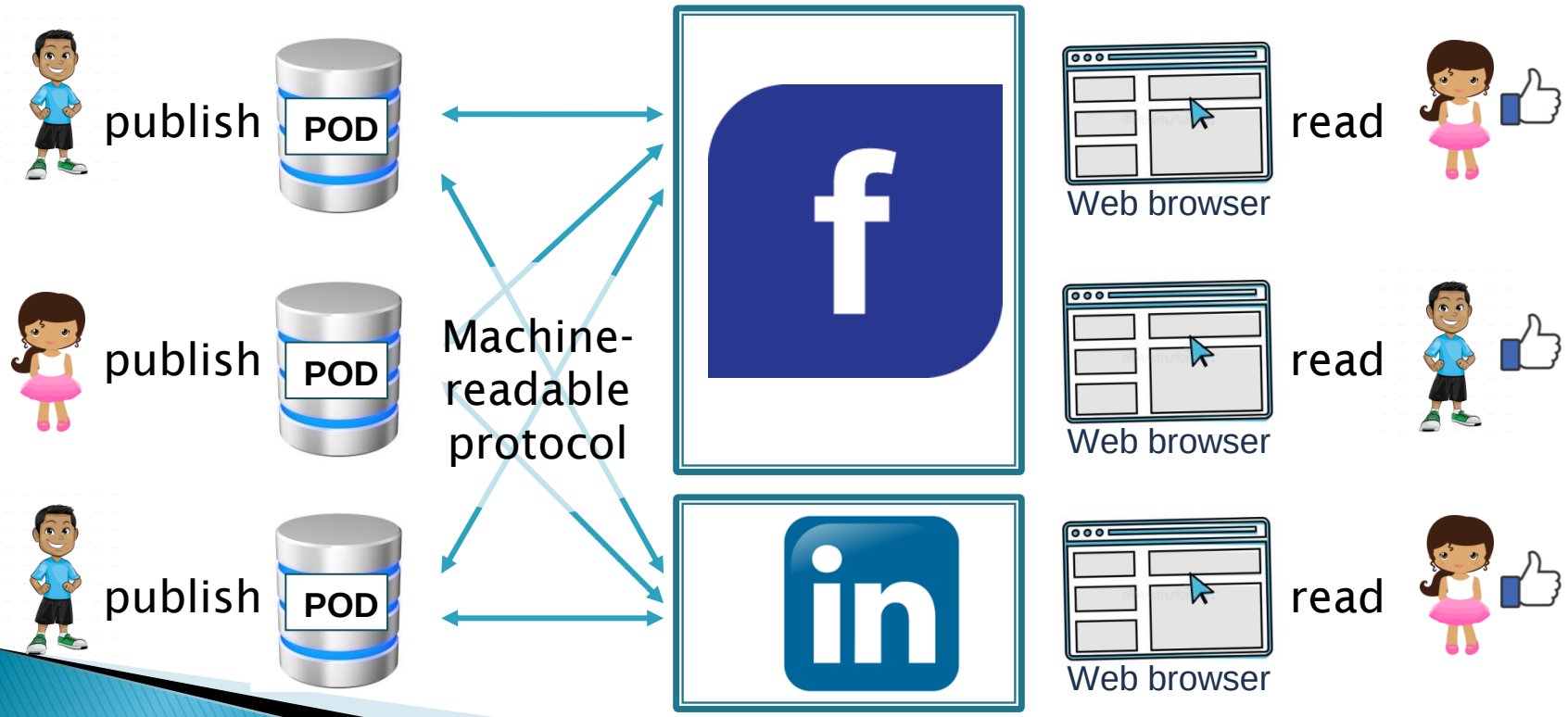
Security

e-Karma
rating

e-voting

e-money

e-Karma


publish
POD
publish
POD
publish
POD
Machine-readable protocol
Web browser
read
Web browser
read
Web browser
read

e-Karma

Professional level	12
# of likes	78
Myers-Briggs Type Indicator	[illegible]
Supportive	[illegible]
Honest	19
[illegible]	24
Diligent and organized	[illegible]
Punctual	[illegible]
Flexible	[illegible]

hidden

Who owns it?

- ☒ Government (e.g. China)
- ☒ Corporations (e.g. FB)
- ☑ Yourself

publish

Friends, relatives, strangers

Partners, clients, co-workers, bosses, subordinates

School and University

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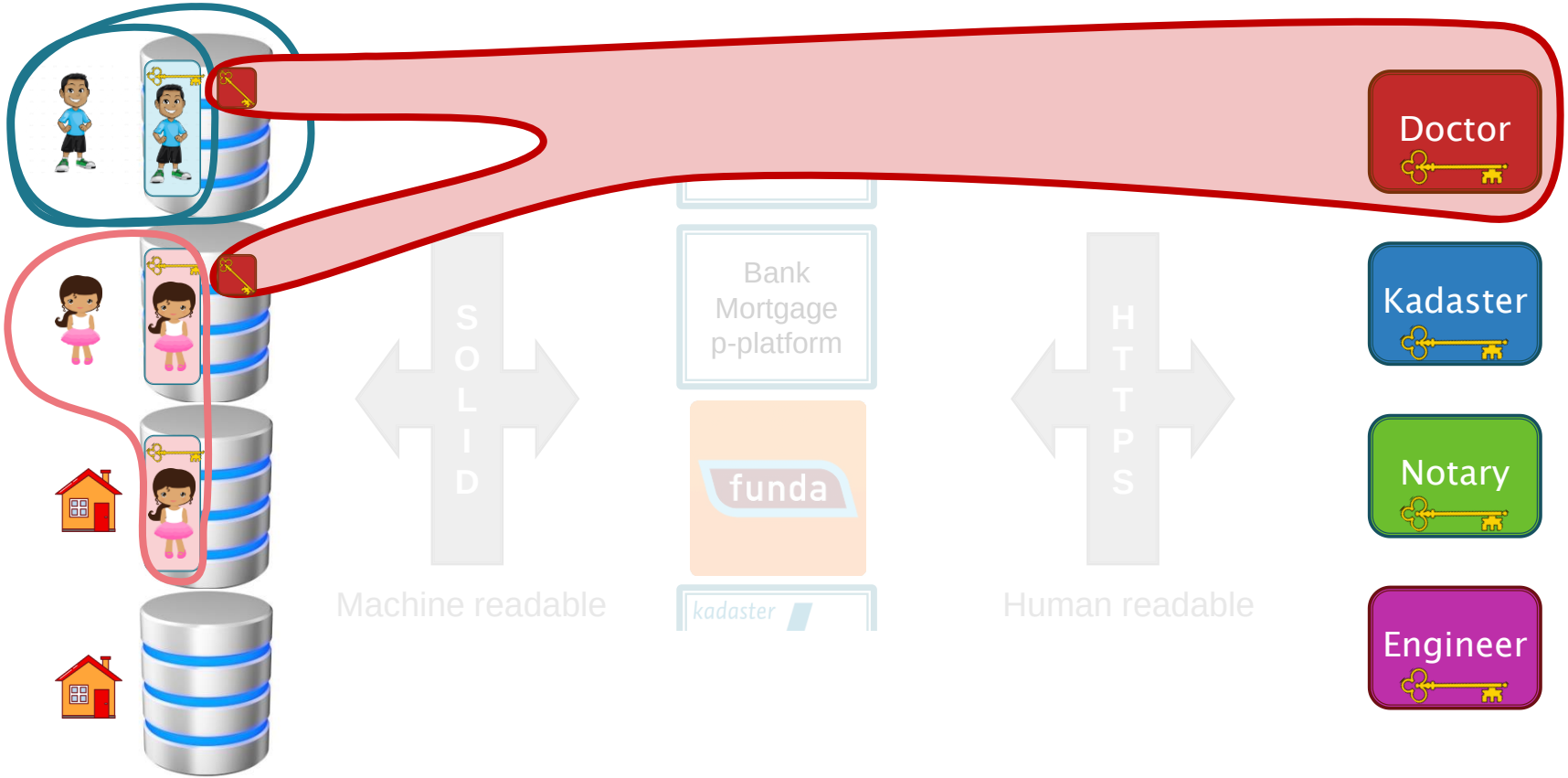
Consumer=>
Prosumer

Data Space

Content ownership



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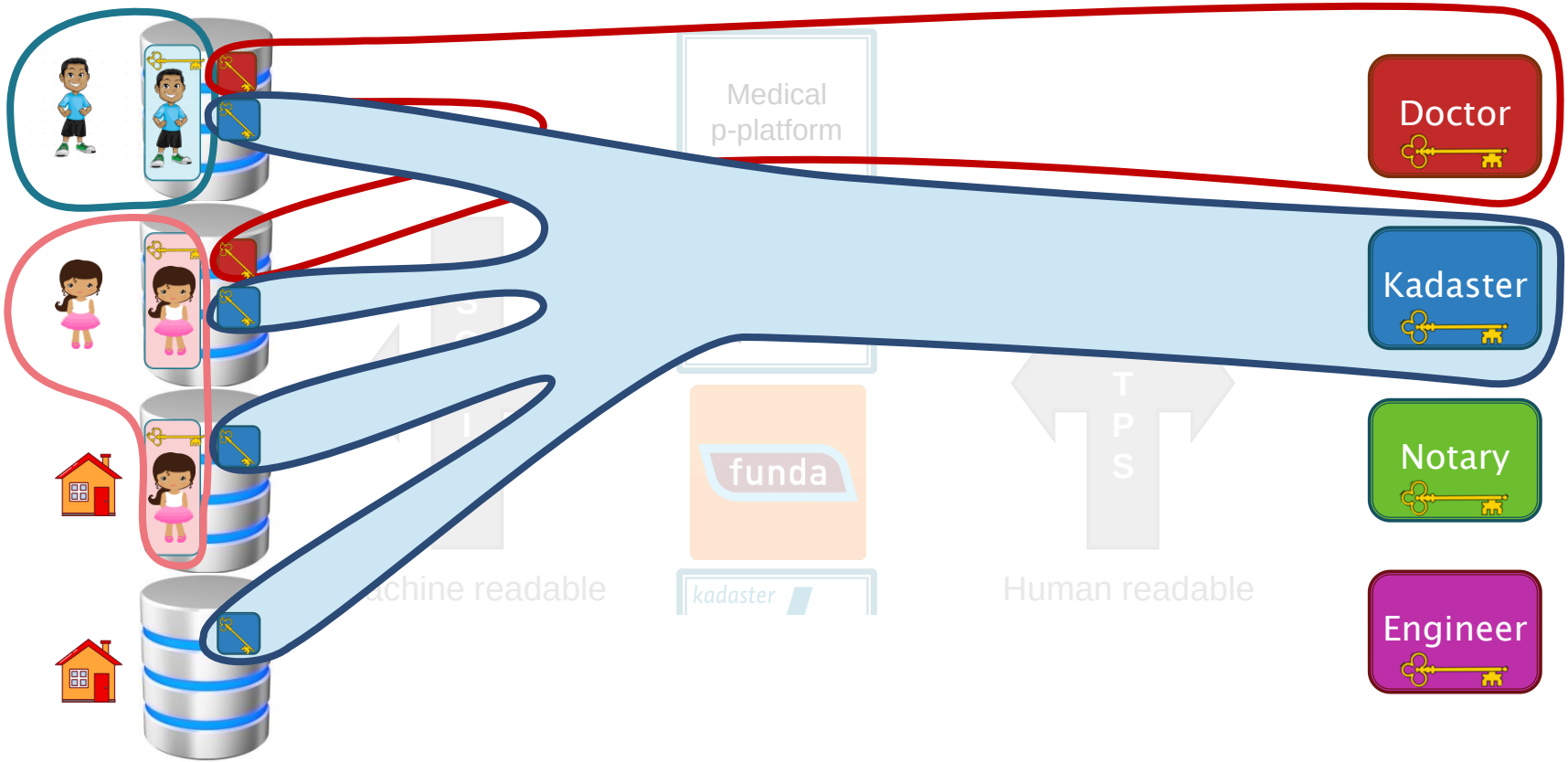

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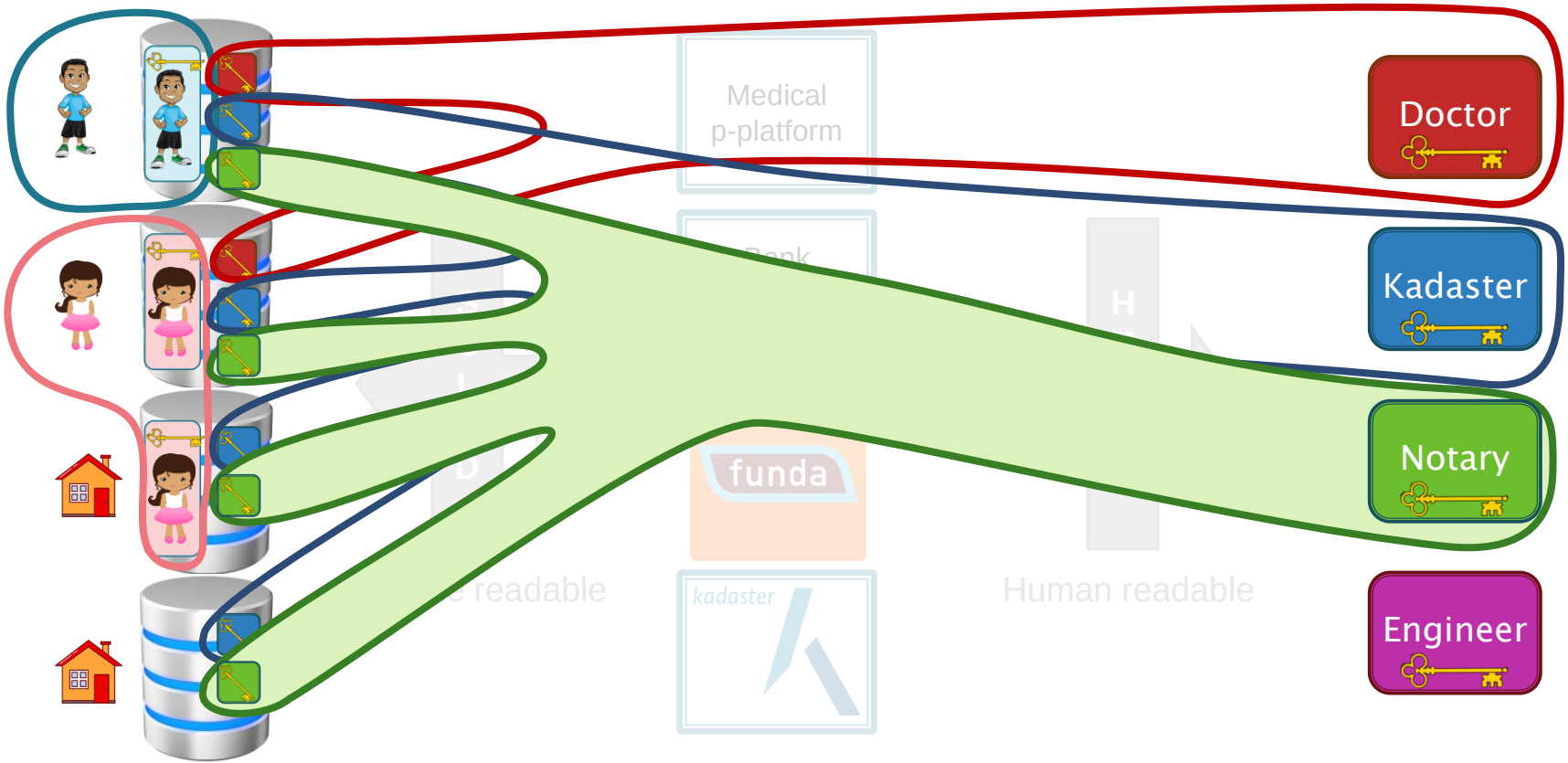

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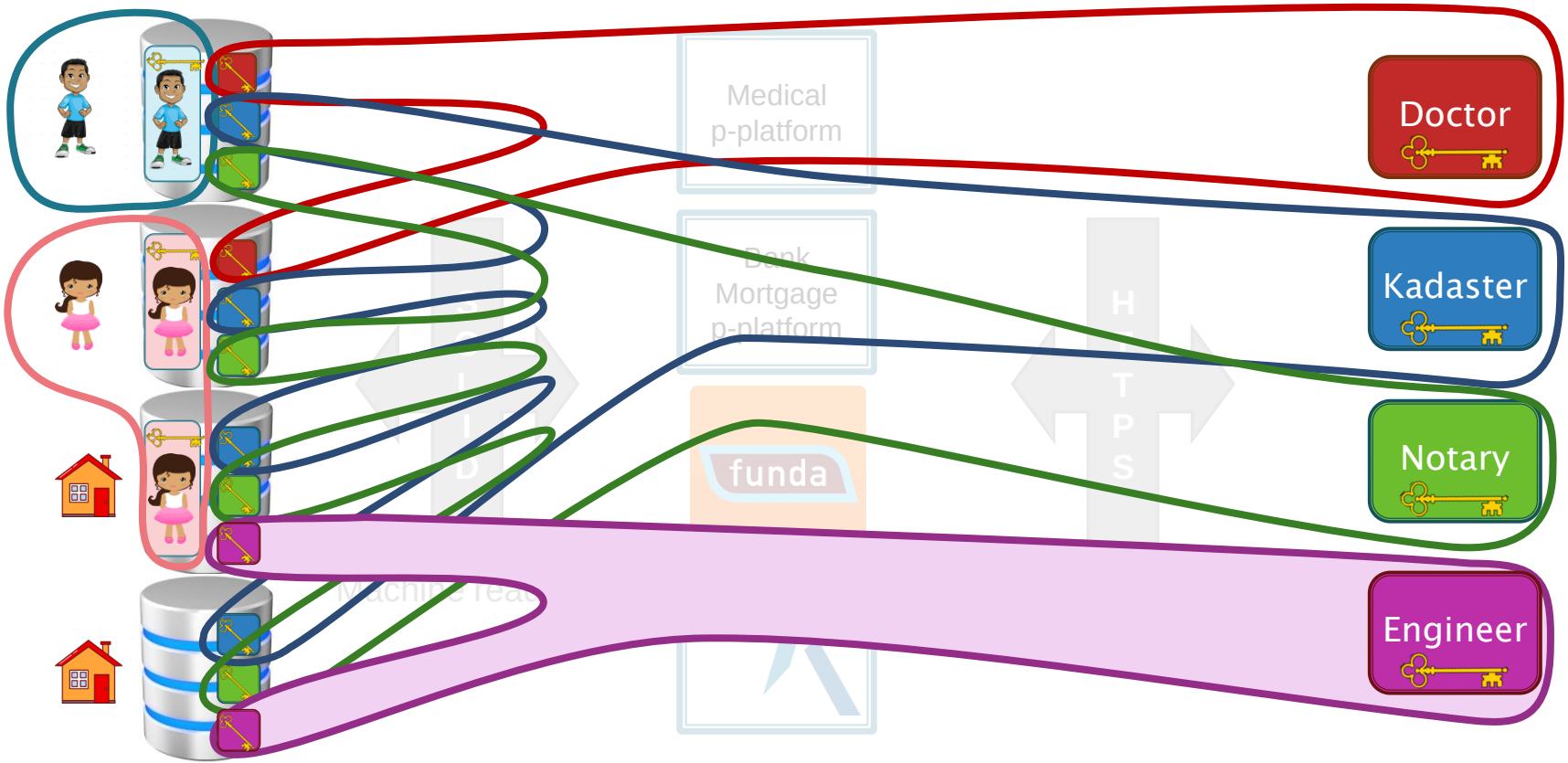

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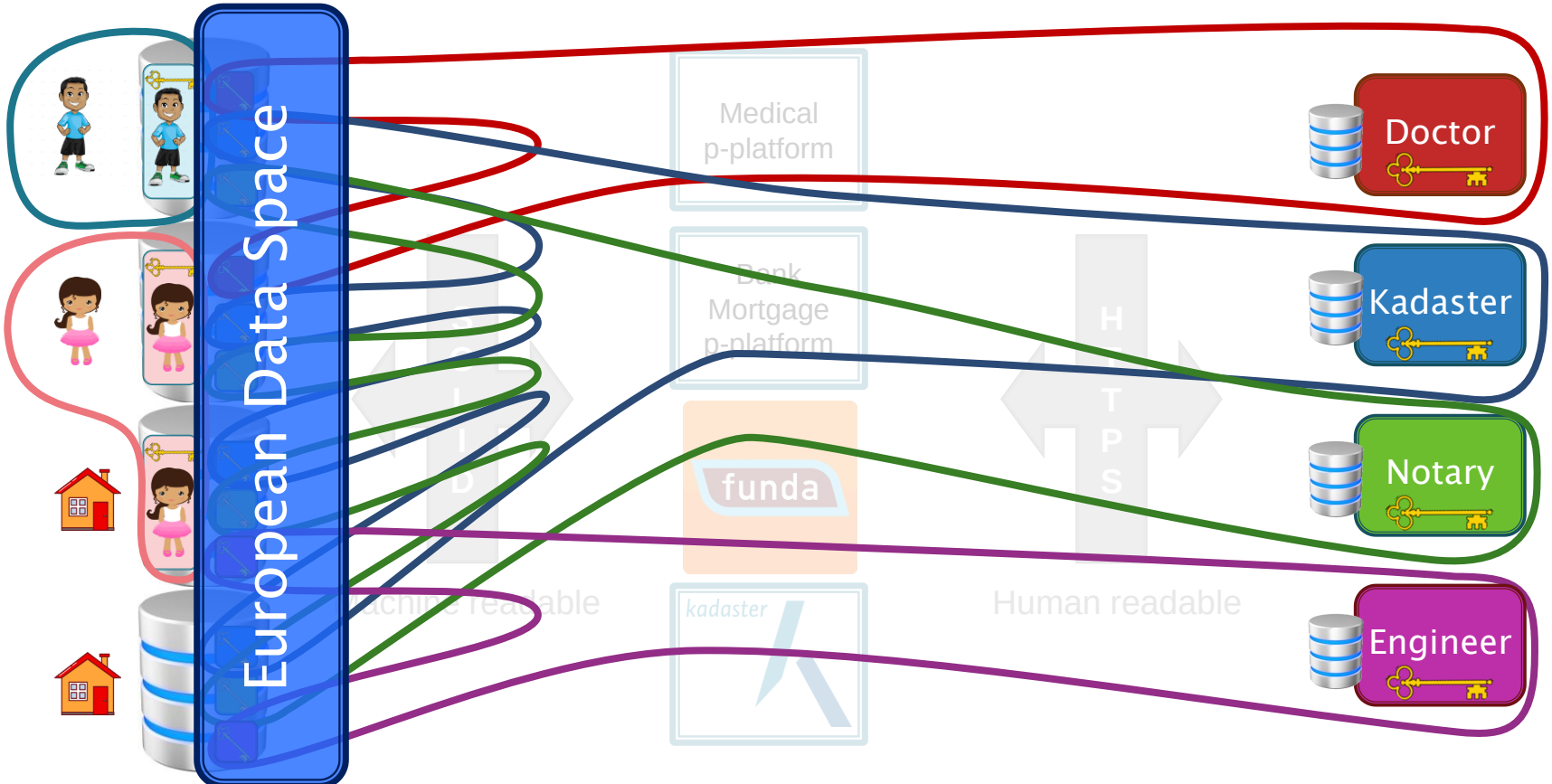

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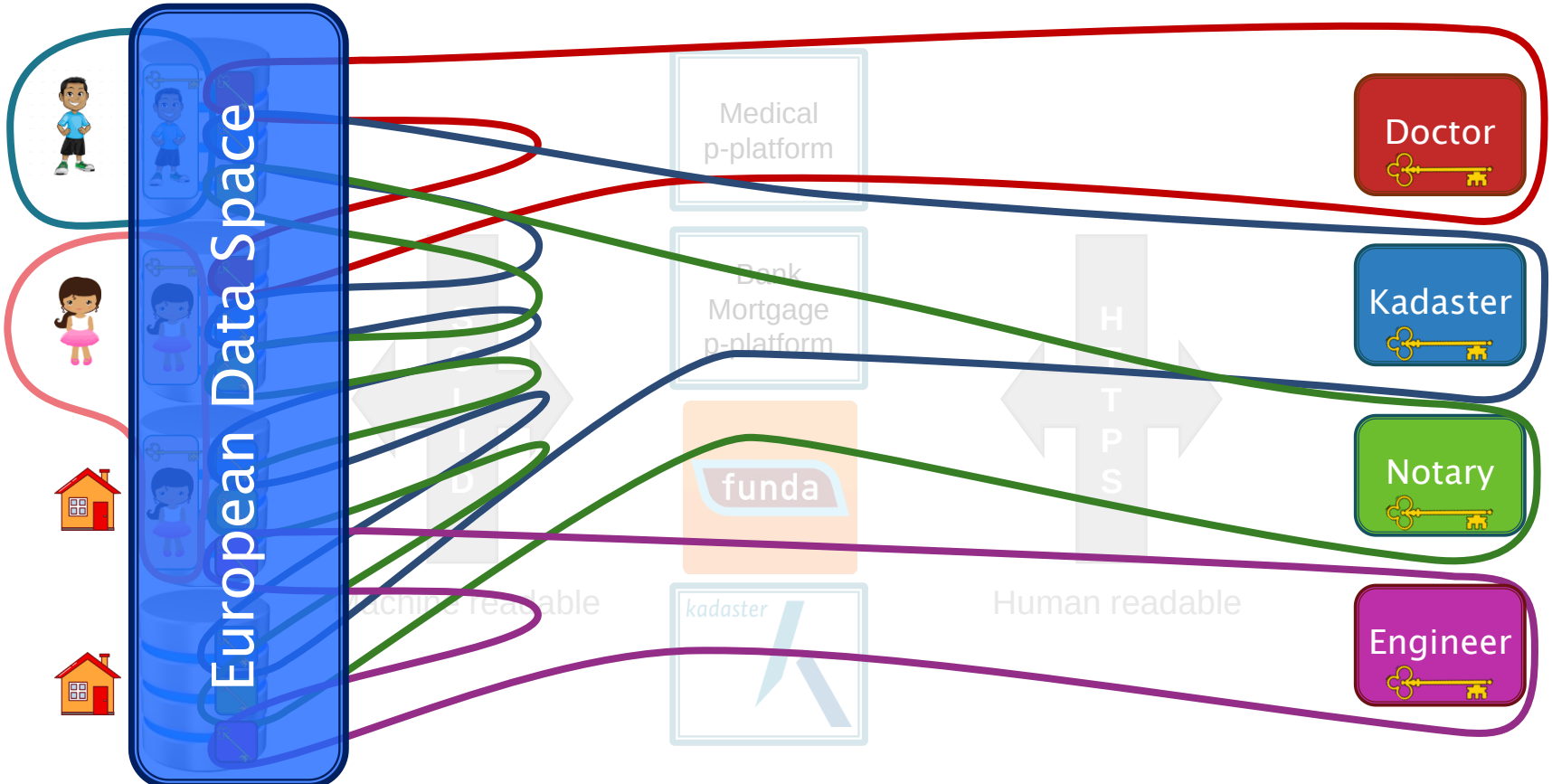

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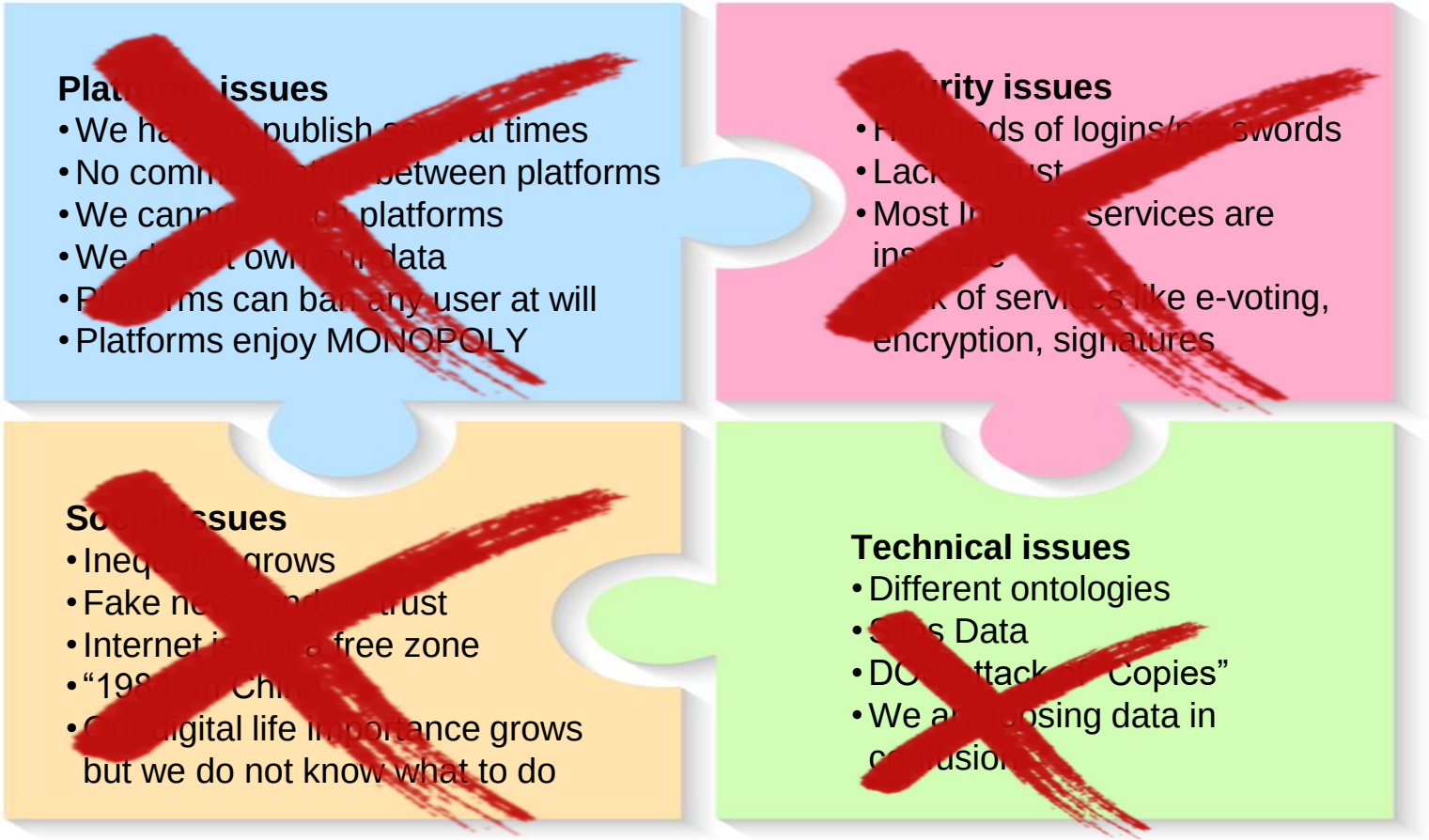
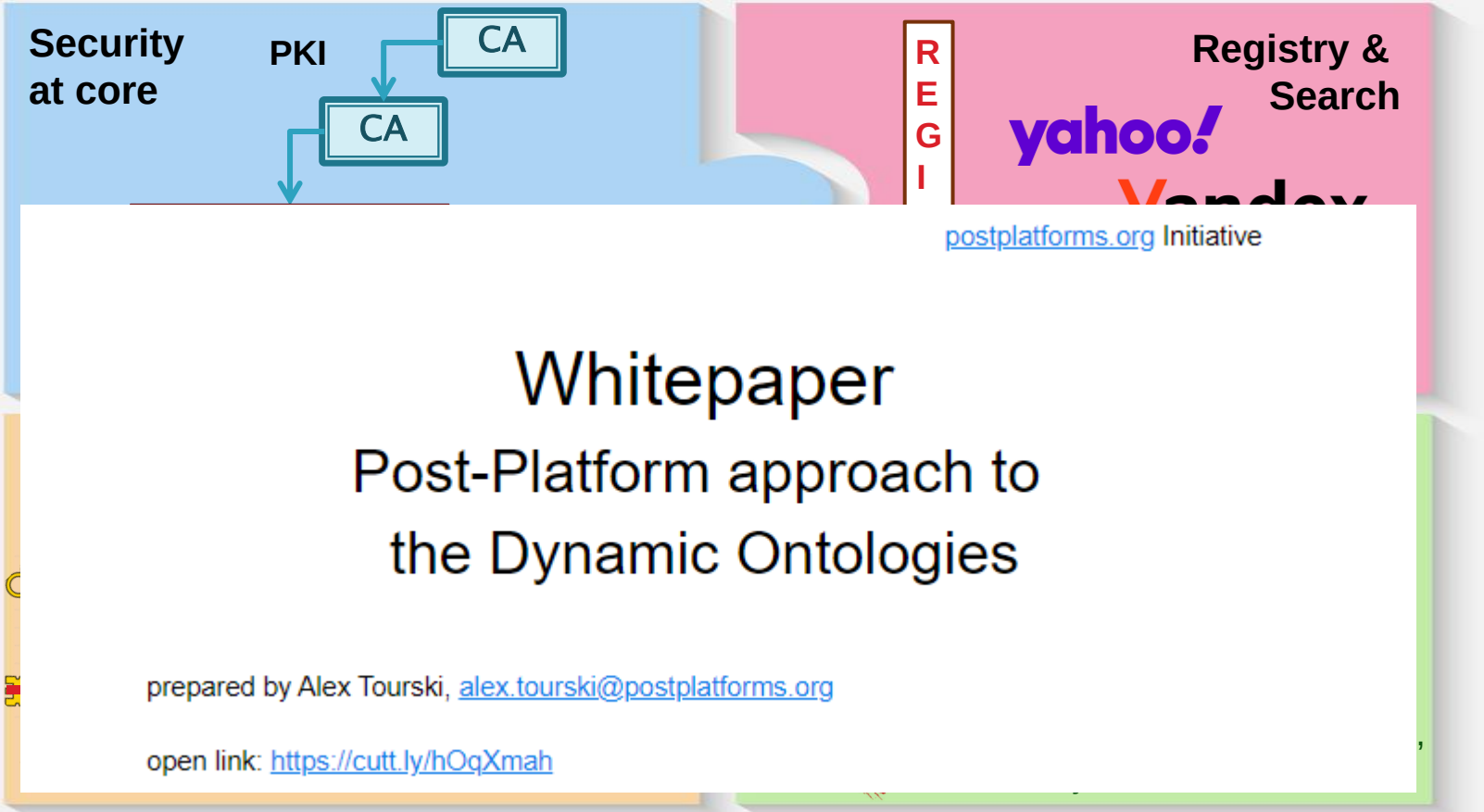
- e-Karma rating
- Digital Self Freedom
- e-voting
- e-money
- Consumer=> Prosumer
- Data Space

Digital World Issues



The Post-Platforms puzzle



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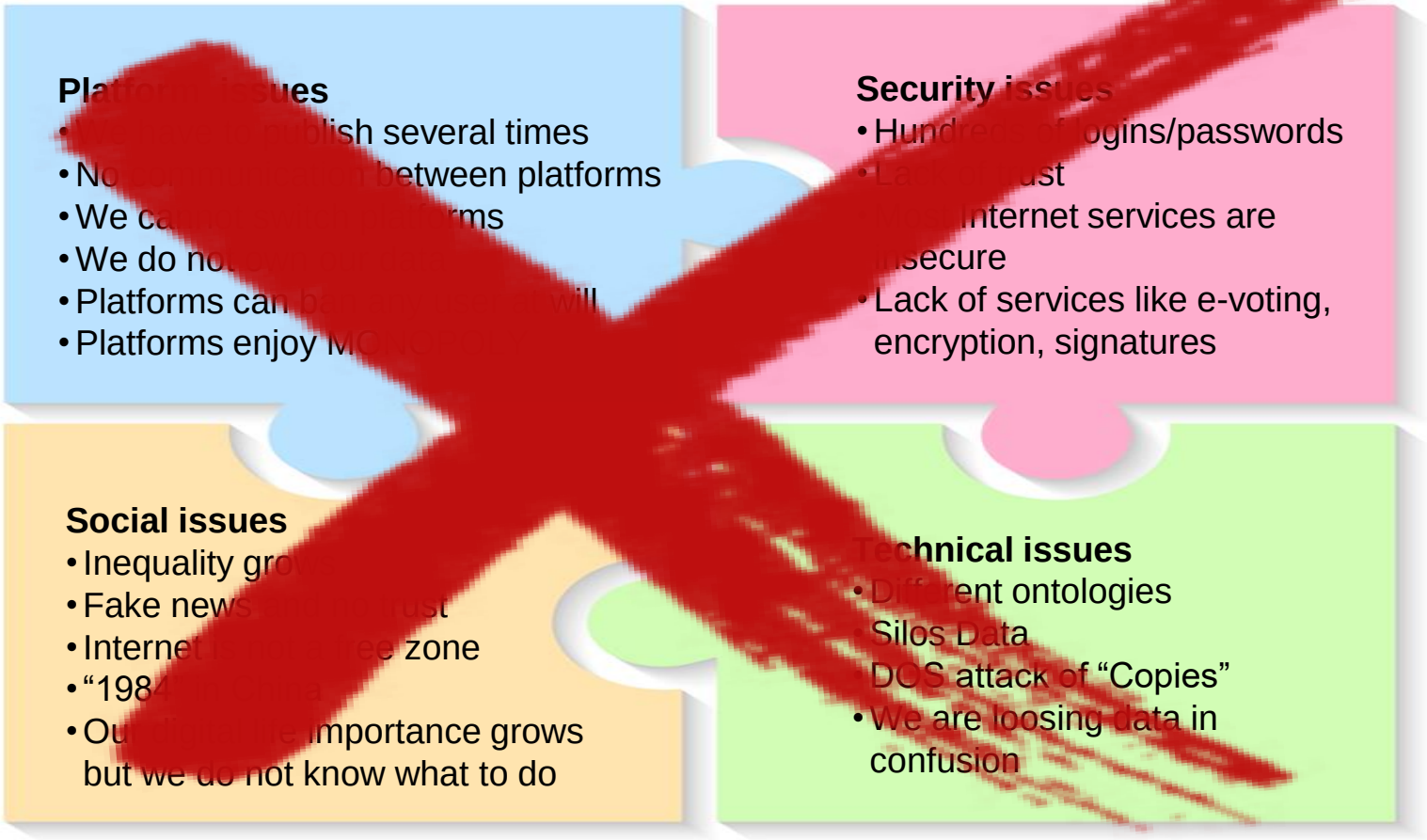
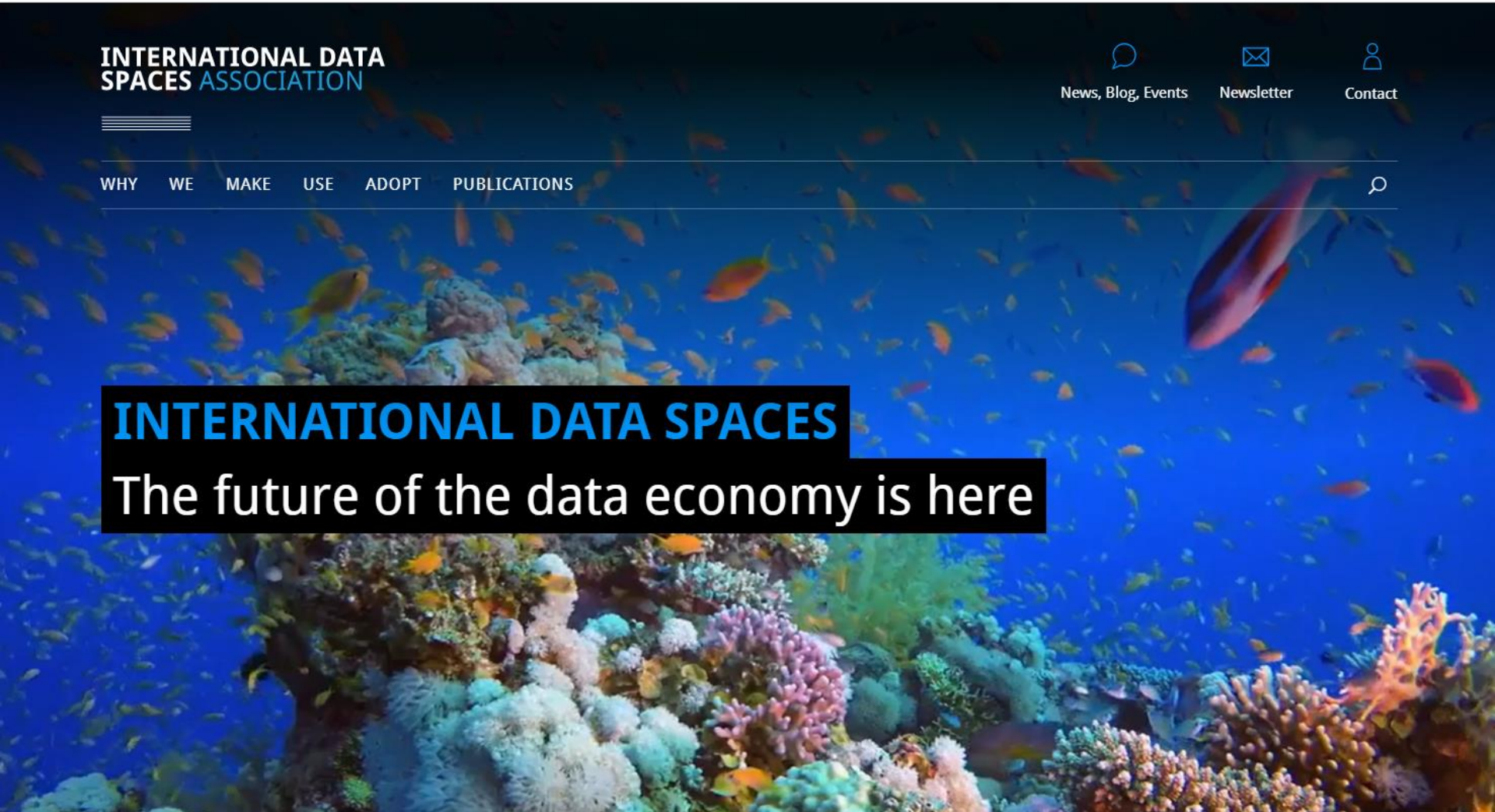
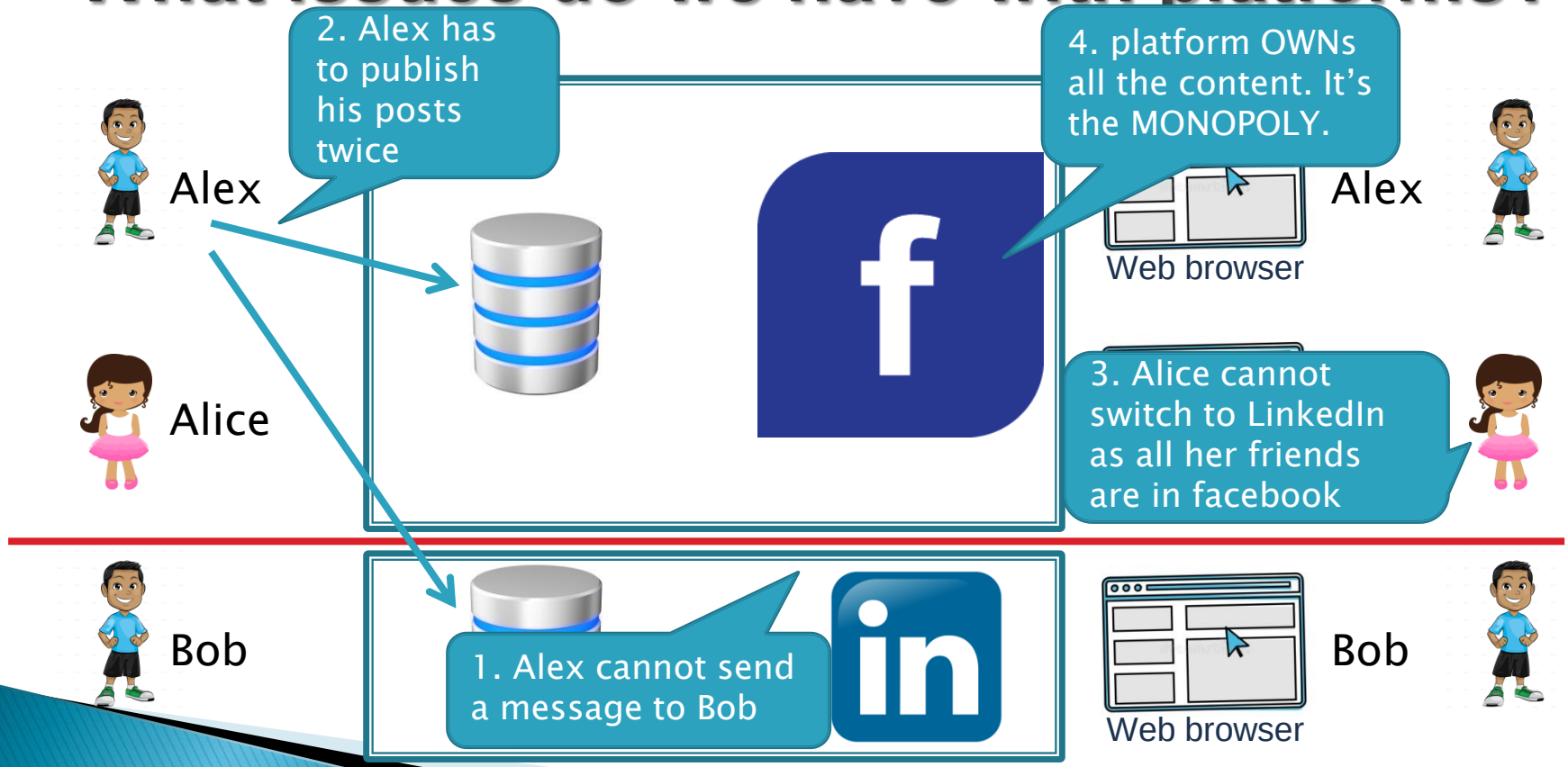


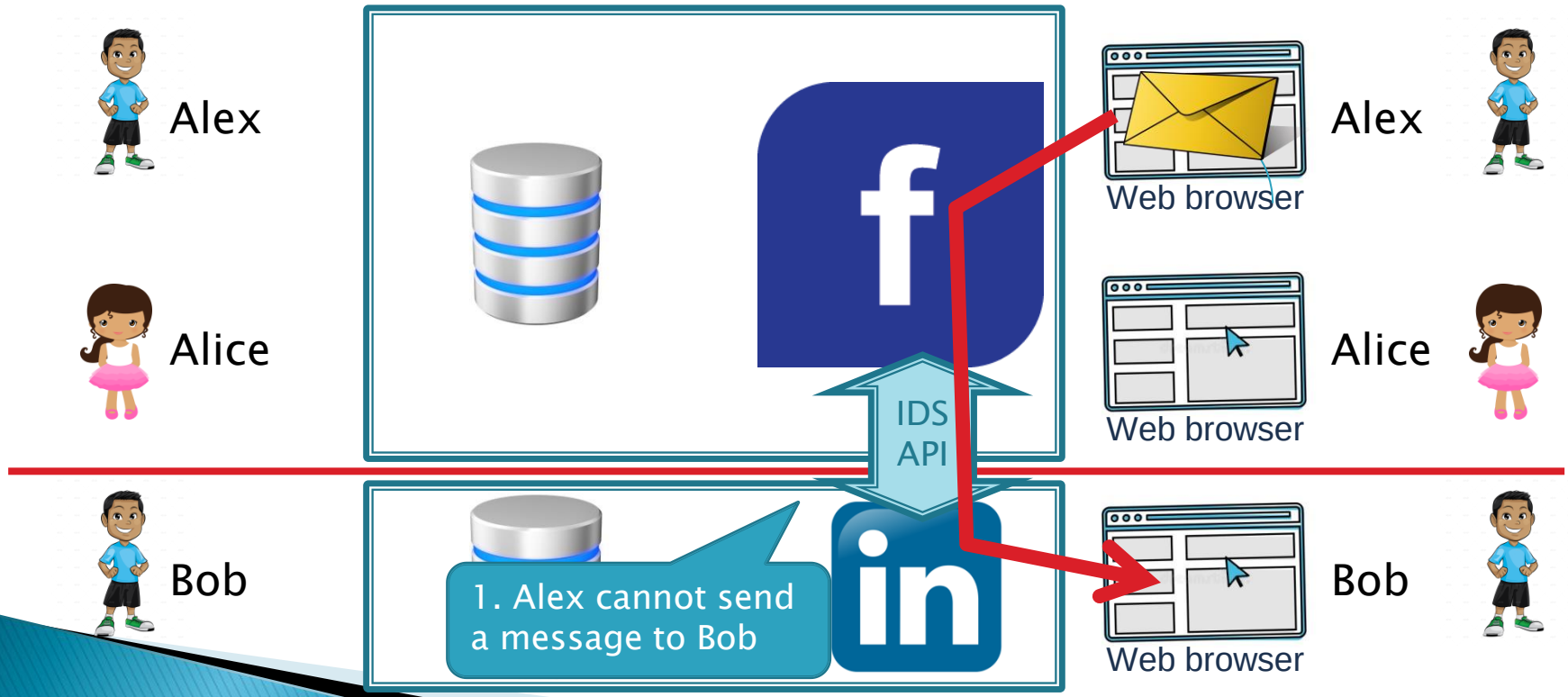
internationaldataspaces.org



What issues do we have with platforms?



Addressing the “connectivity” issue



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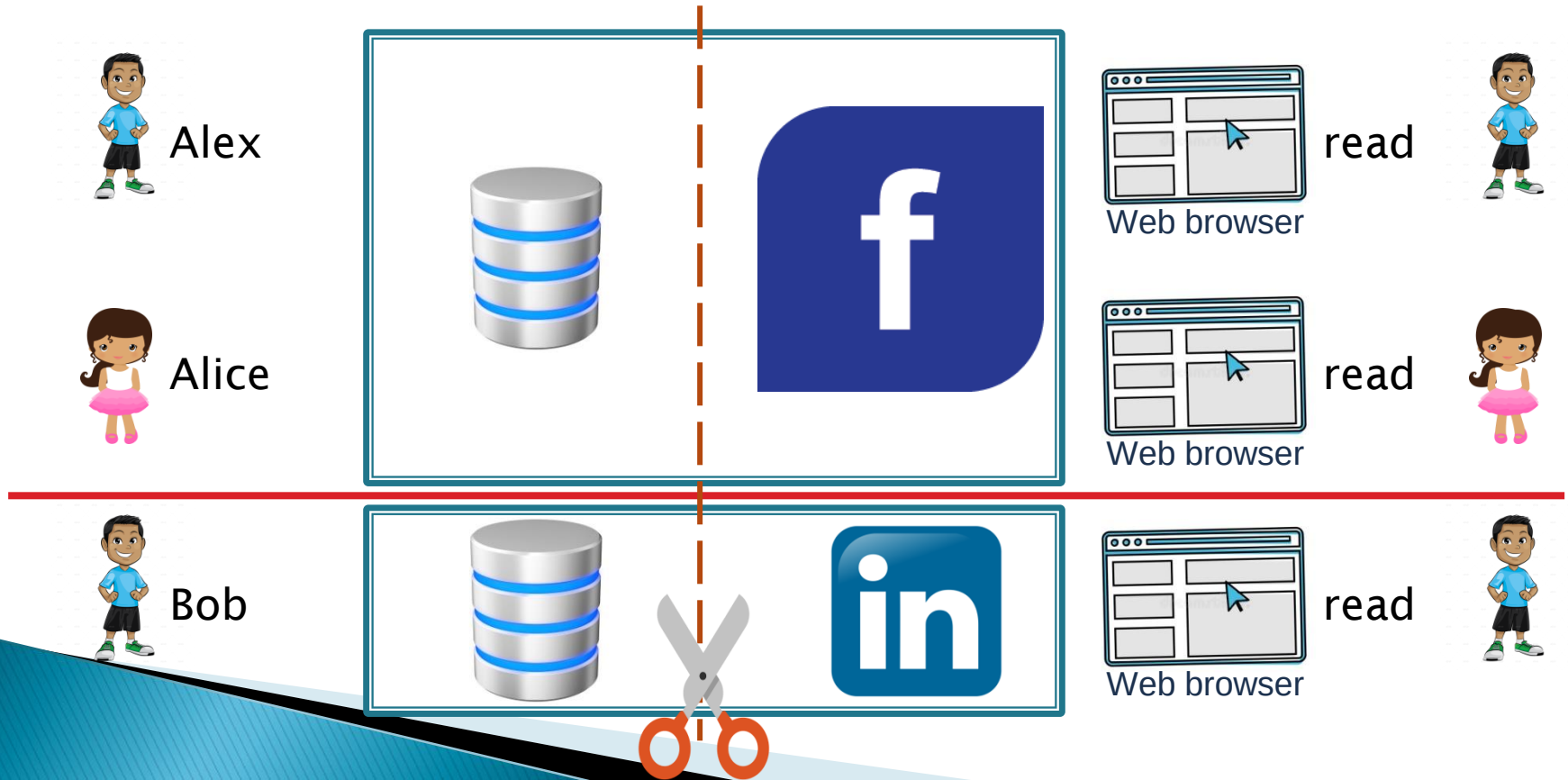
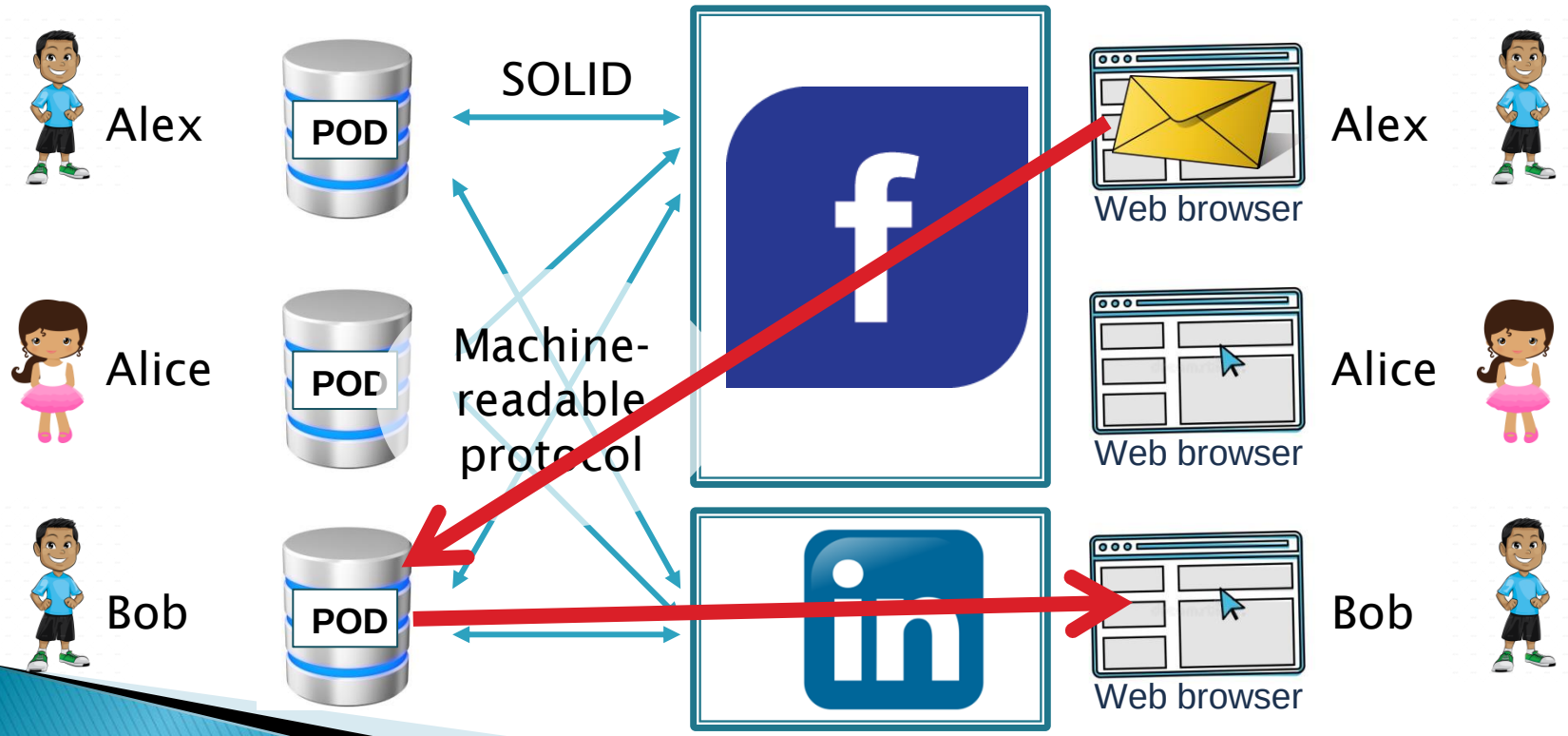
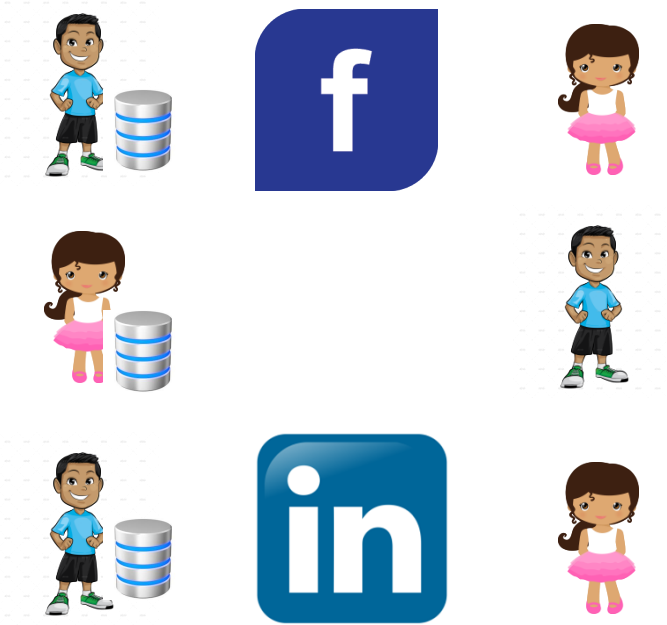


Addressing the “connectivity” issue



IDS approach

SOLID approach



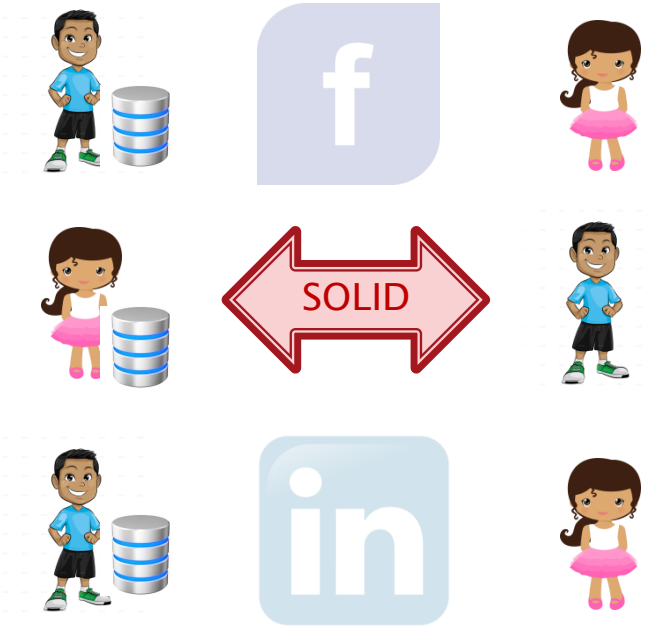
IDS approach

Connect: Platforms
Ignore: People

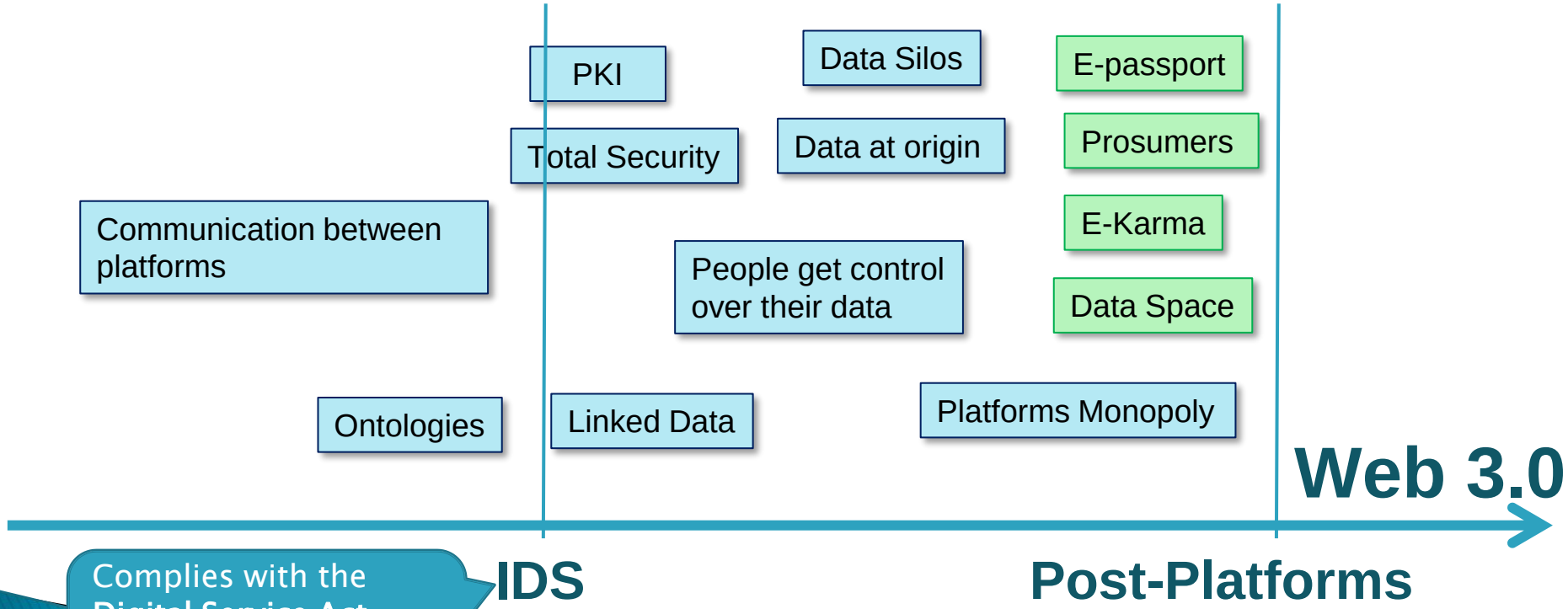
VS

SOLID approach

Connect: People
Ignore: Platforms



Roadmap towards Web 3.0



Complies with the **Digital Service Act** from the **European Digital Strategy**

Thank you

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Confucius:
Let's agree on the names.
Because, if we have not agreed on the names,
What can we discuss with you at all?