

Federated

Data

Architectures

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post-growth
entrepreneur

@ Ponder Source

Part 2 of 2:

Federated

Bookkeeping

**FEDERATED
BOOKKEEPING**

1. MONEY
2. DEGROWTH
3. FINTECH
4. BOOKKEEPING
5. E-INVOICING
6. LOGISTICS
7. VOFB

1. MONEY



Money for
Rational
Agents

Unit of Value

Means of Exchange

Store of Value

Same-day exchange

Buy-then-Sell

Sell-then-Buy

Money for
Cooperating
Agents

Throttle consumption

Signal Demand

Group Action

2. DEGROWTH







BUY
LESS
CRAP

OUR
GAMIFIED
LIVES

GAMIFICATION

POINTS

APP

LEVEL

REWARD

ACTIVITY







A black and white photograph of Milton Friedman, an elderly man with white hair and glasses, resting his chin on his hand and looking thoughtfully to the side.

Shareholder Primacy

Milton Friedman

DISCONNECTION



BUYER

SELLER



TEAM

RESULT



PENSION

RAINFOREST



I DO

WHAT I

CAN

**80,000
HOURS**

I TAKE

WHAT I

NEED





DON'T SWAP

JUST

SHARE



PROPERTY

IS JUST

A CONVENTION



PAYMENT

IS JUST

DATA

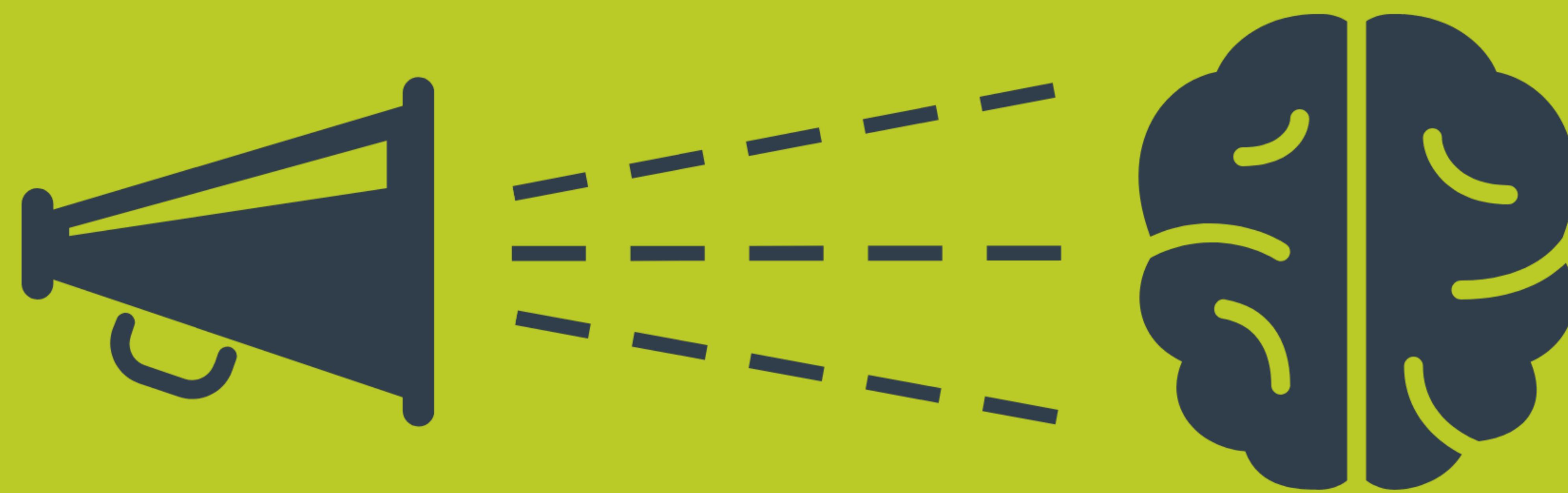
Transaction Flow



PAYMENT

IS PERSUASIVE

DATA



REVERSE-ENGINEER

HUMAN

BEHAVIOUR

NUDGE
OUR
HABITS



MONEY

is
Ancient

WE

CAN DO

BETTER

STREAMLINE

OUR

PROCESSES

**RECONNECT
OUR
VALUE LOOPS**

3. FINTECH



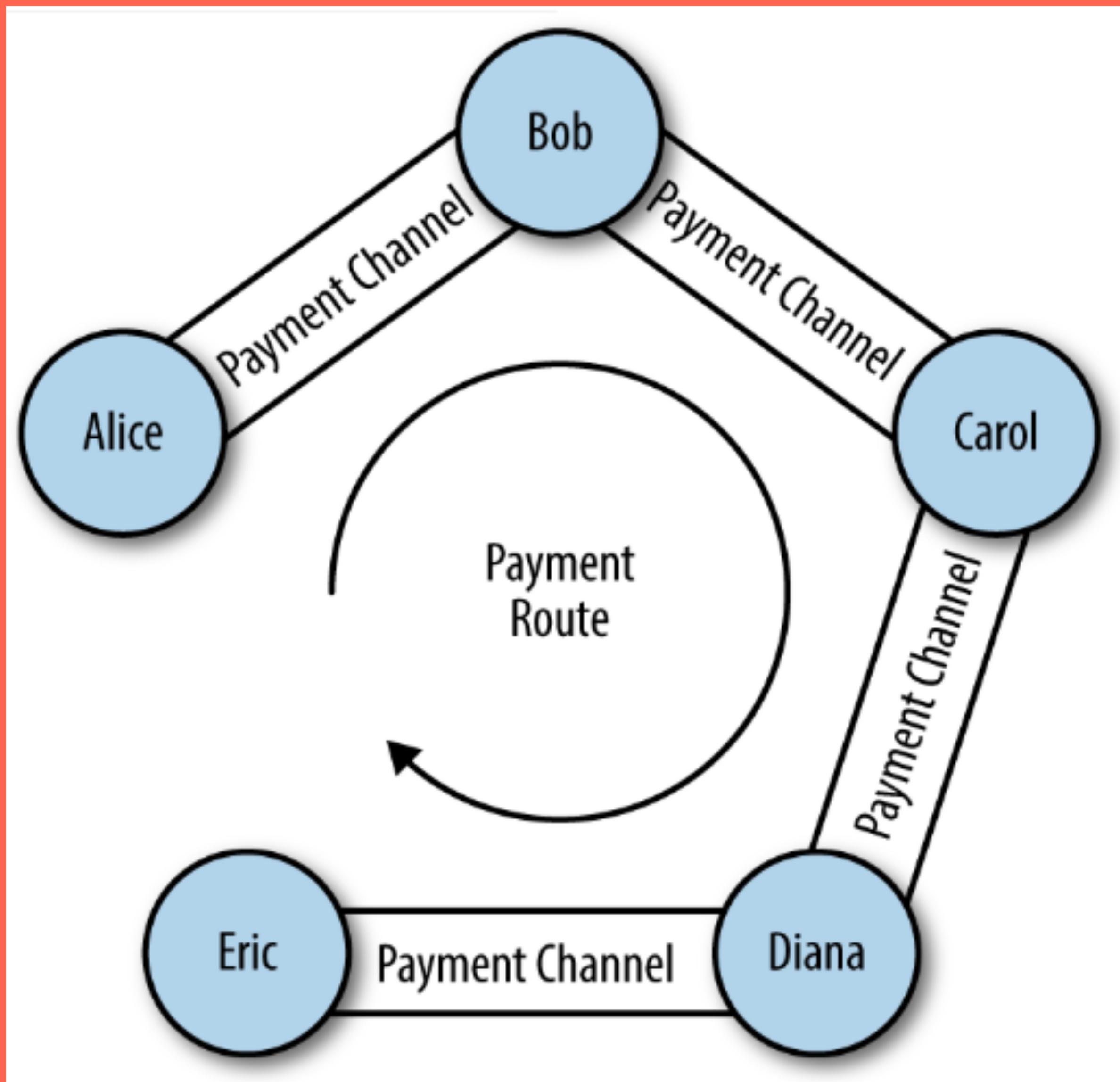


Anonymous Currency





**BUBBLE
TECH**



MULTI HOP



Ripple
Classic

Ryan
Fugger



Interledger

MONEY TRANSFER





LedgerLoops

MONEY
IS PERSUASIVE
DATA

**FEDERATED
BOOKKEEPING**

4. BOOKKEEPING

The image shows an open notebook with two pages of handwritten grocery store receipts. The left page has entries for items like Clu'Hac, Kartoffeln, Neue, 4A, Schinken, Margarine, Ei, C'or, Zwiebeln, Zucker, Vanillekipf, Amaretto, and Soße. The right page has entries for Butter, Margarine, Tomaten, Spezial, Zitrone, Ellerhovad, Frühstück, Ostet, Quarg, Camembert, Quark, Ellerlaaballe, Clu'Hac, Kartoffeln, Bauch, Gauernbrat, Fitt, and Bananen. The amounts are listed next to each item.

Clu'Hac	150gr.	6,42
Kartoffeln 25,-	1,33	
Neue 7,-	3,83	
4A Schinken 3,90	93,93	:86,18
Margarine 4,50	37,50	
Ei 1,-	50,93	
C'or 25 g 0,6,-	47,15	
Zwiebeln 200gr.	3,21	
Zucker 1,-	4,36	
Vanillekipf 200gr.	5,25	
Amaretto	11,80	
Soße	9,15	
	1,33	
	1,21	
	115,19 : 86	
	4,92	
	1,07	
	5,83	
	7,82	
	4,95	
Clu'Hac	150gr.	6,42
Kartoffeln 25,-	1,33	
Bauch 20,3	3,83	
Gauernbrat 10,-	93,93	:86,18
Fitt 700gr.	37,50	
Bananen 14,-	73,15	
	12,84	
	1,55	
	31,00	

PERSONAL

FINANCE

INSIGHTS



CATEGORY
CHILD SUPPORT
DAYCARE
KIDS ACTIVITIES
HOUSEHOLD
TOILETRIES

Local

Economic

Trade System





JUST CANCEL

YOUR OWN

DEBTS AND CREDITS

BOOKKEEPING

WITH EVENTUAL

PAYMENT

PAYMENT

AS

BANKRUPTCY

5. E-INVOICING





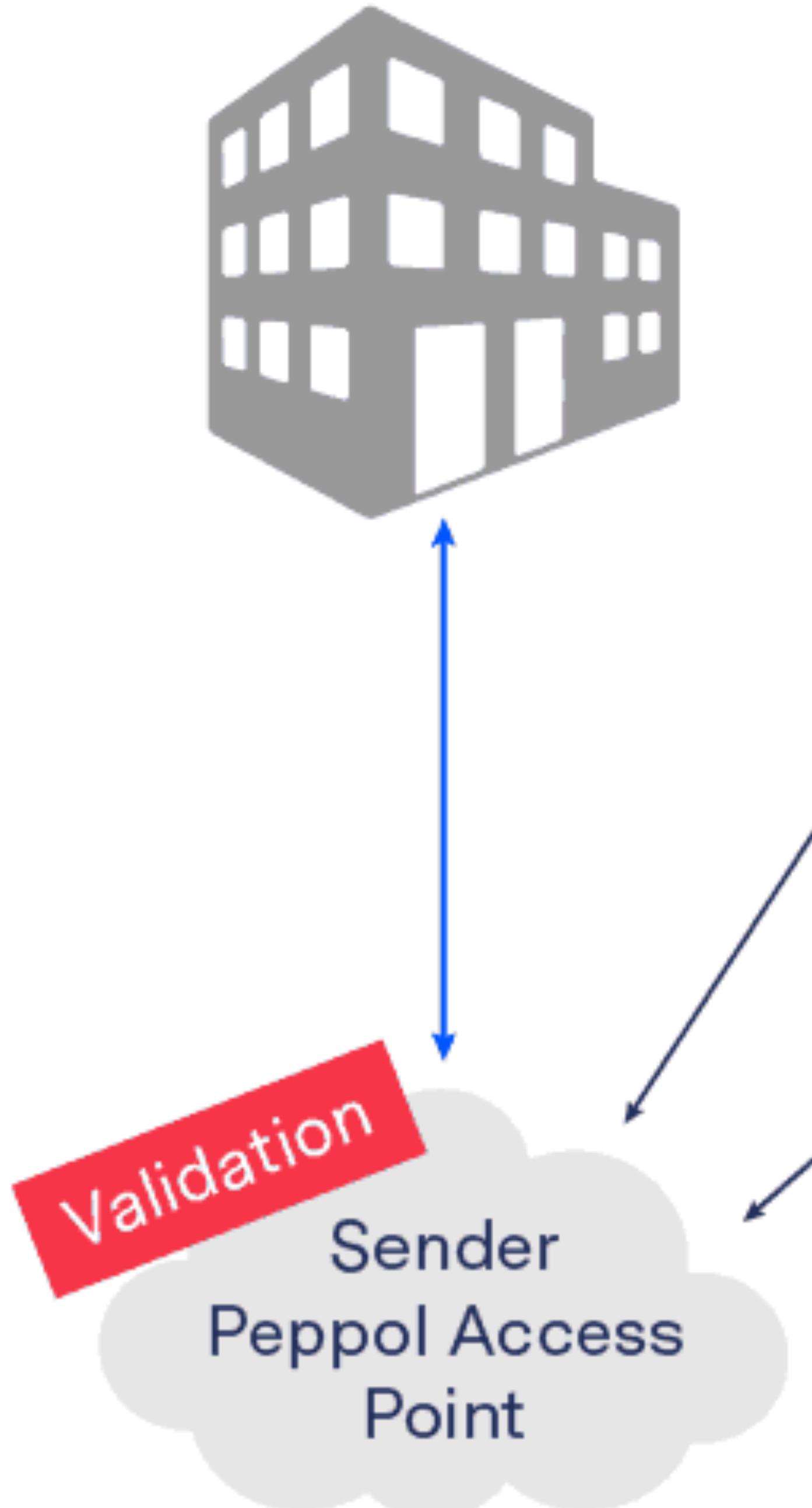
E-invoicing removes most of the invoice handling steps, both for the supplier and customer



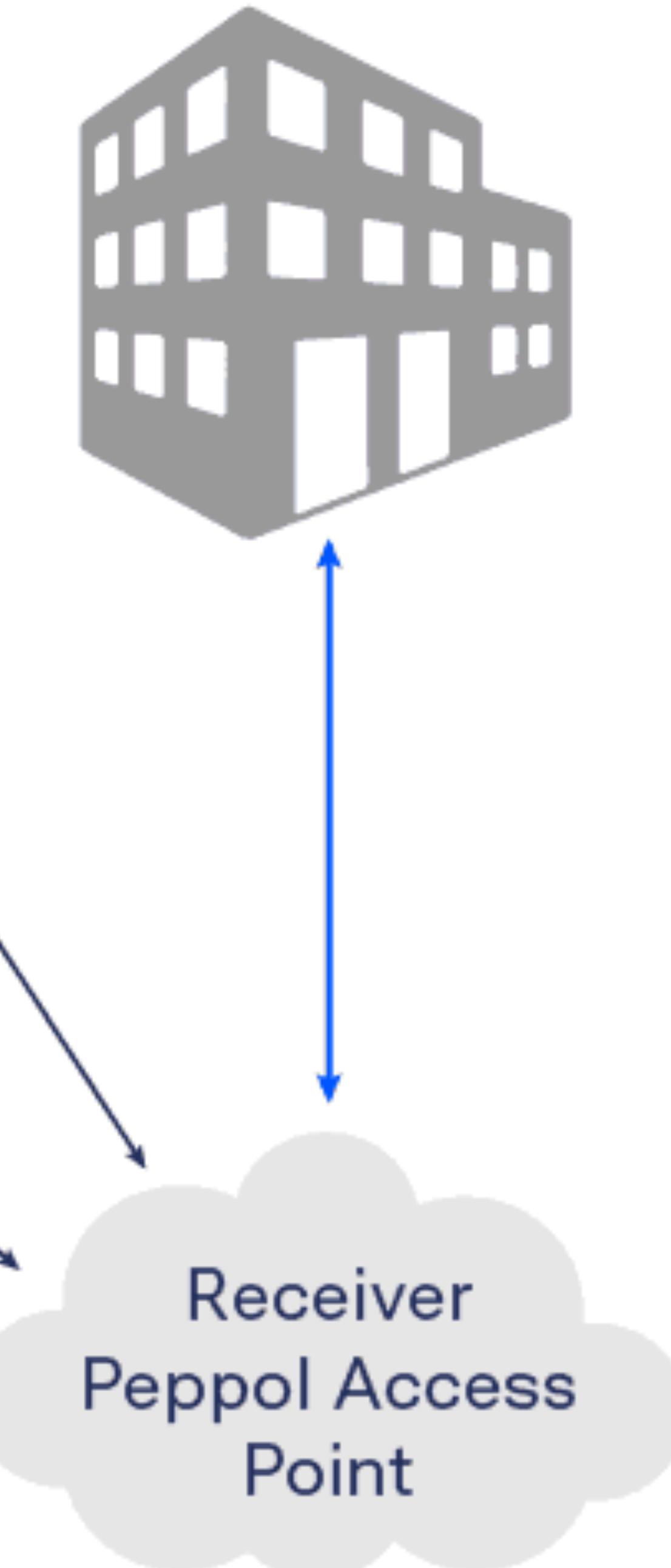
Peppol

The future is open

Sender



Receiver



Registry for
participant IDs



Registry for
meta data



Receiver
Peppol Access
Point



Let's Encrypt

Free SSL



For All



<https://www.yourdomain.com>

Earn-to-give

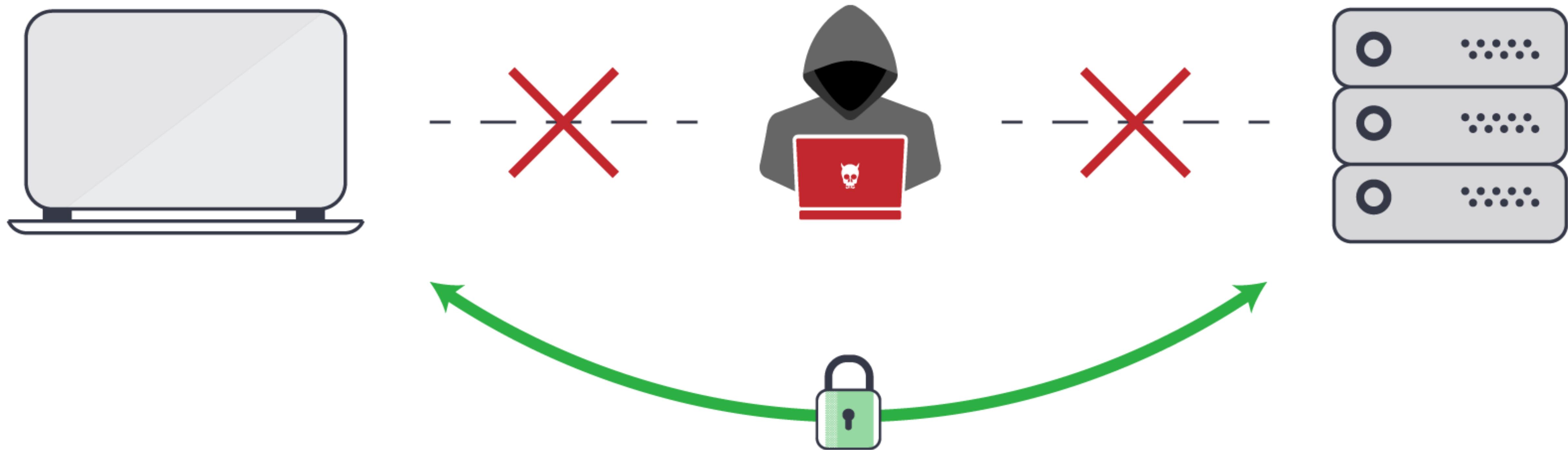
Let's Peppol!

Peppol is open

Peppol is great

But . . .

Avoiding Man-in-the-Middle Attacks



AS4-Direct

Self-hosted identities



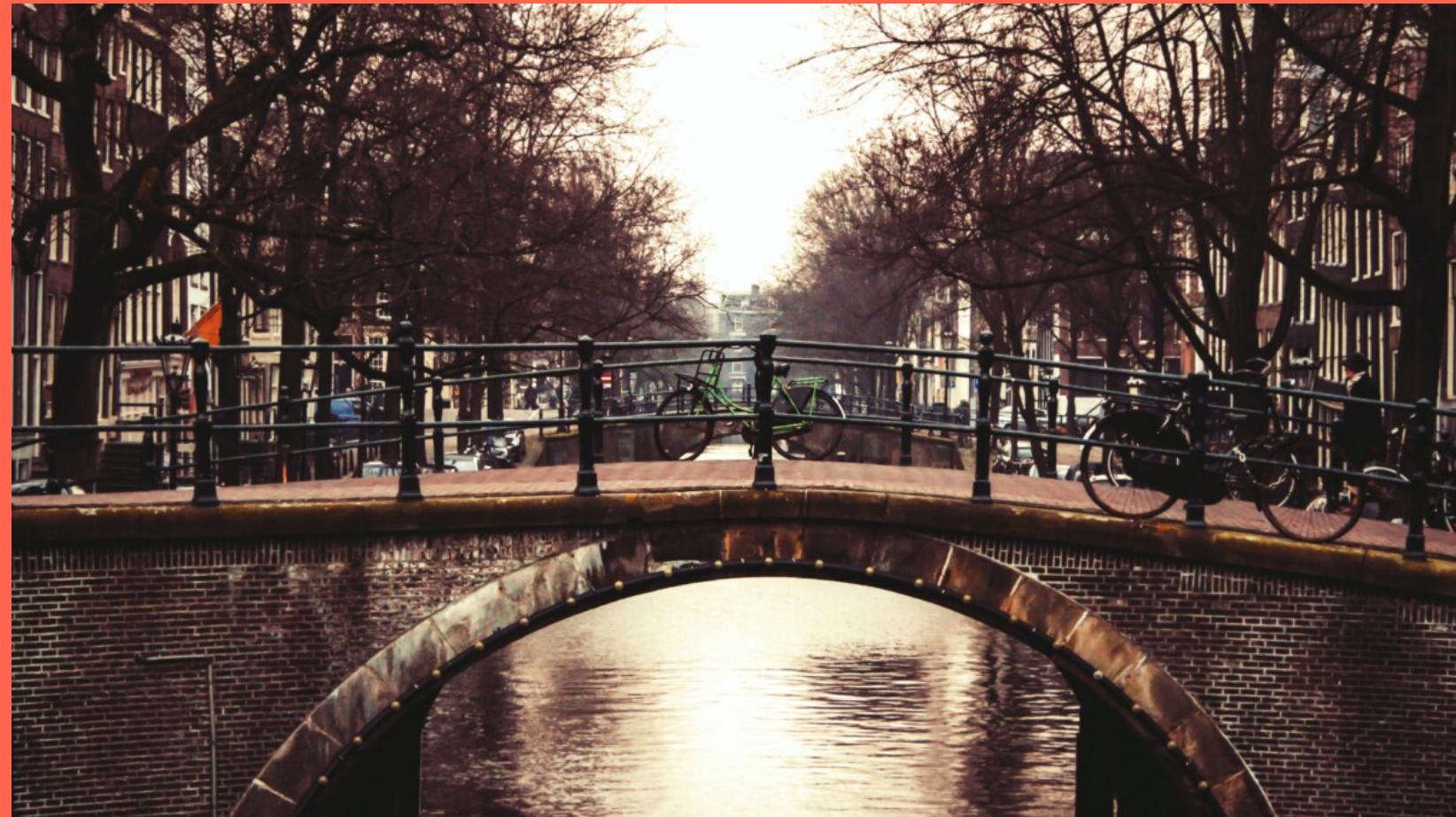
**Root
Certificate**

**Intermediate
Certificate**

**End User
Certificate**



ScienceMesh-Nextcloud



BILLING

API

INTEGRATIONS

BOOKKEEPING

API

INTEGRATIONS

MICRO-BOOKKEEPING

INSTEAD OF

MICRO-PAYMENTS

6. LOGISTICS



COLLABORATIVE



INVOICE COMPOSITION

SUPPLIER



CREDIT

AUTOMATIC



ORDERS

PRODUCTION



TRIGGERS

CROWDFUNDING



7. VOFB



VIRTUAL ORGANIZATIONS



VIRTUAL ORGANIZATIONS



FEDERATED BOOKKEEPING



CONDITIONAL COMMITMENTS



GROUP COORDINATION



LEADERLESS PROJECTS



ALGORITHMIC CONSENSUS TRIGGERS



THANK YOU!

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