



Digital Business Ecosystem

**CORE**

**Digital Wallet for Logistics Data**

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## THE PROBLEM WE'RE SOLVING

**“The way enterprises handle and exchange data and business documents today is fundamentally broken.”**



### HIGH COST

Each manual, pdf or non-standard document used by and shared between enterprises causes 15€ manual work cost to a party



### MANUAL RISK

Manual work generates errors into 8% of documents, which causes data losses and destroys data quality



### WEAK TRUST AND SECURITY

Data owners have no visibility to and limited control over data manipulations, replacements and versions



# TO SOLVE THE PROBLEM WE OFFER

**“DBE Core is an authorized Peppol service provider that also supports edifact message exchange e.g. via the eLVIS network of Platform of Trust (Vastuu Group). Our service is also ready for eLogistics documents and eFTI”**



## **DATA-STORING TRUSTED DATA EXCHANGE AS A SERVICE**

Service to exchange digital data between information systems and platforms such as Edifact, Peppol, UBL, National format invoice documents and other digital data, which are stored into data wallet.



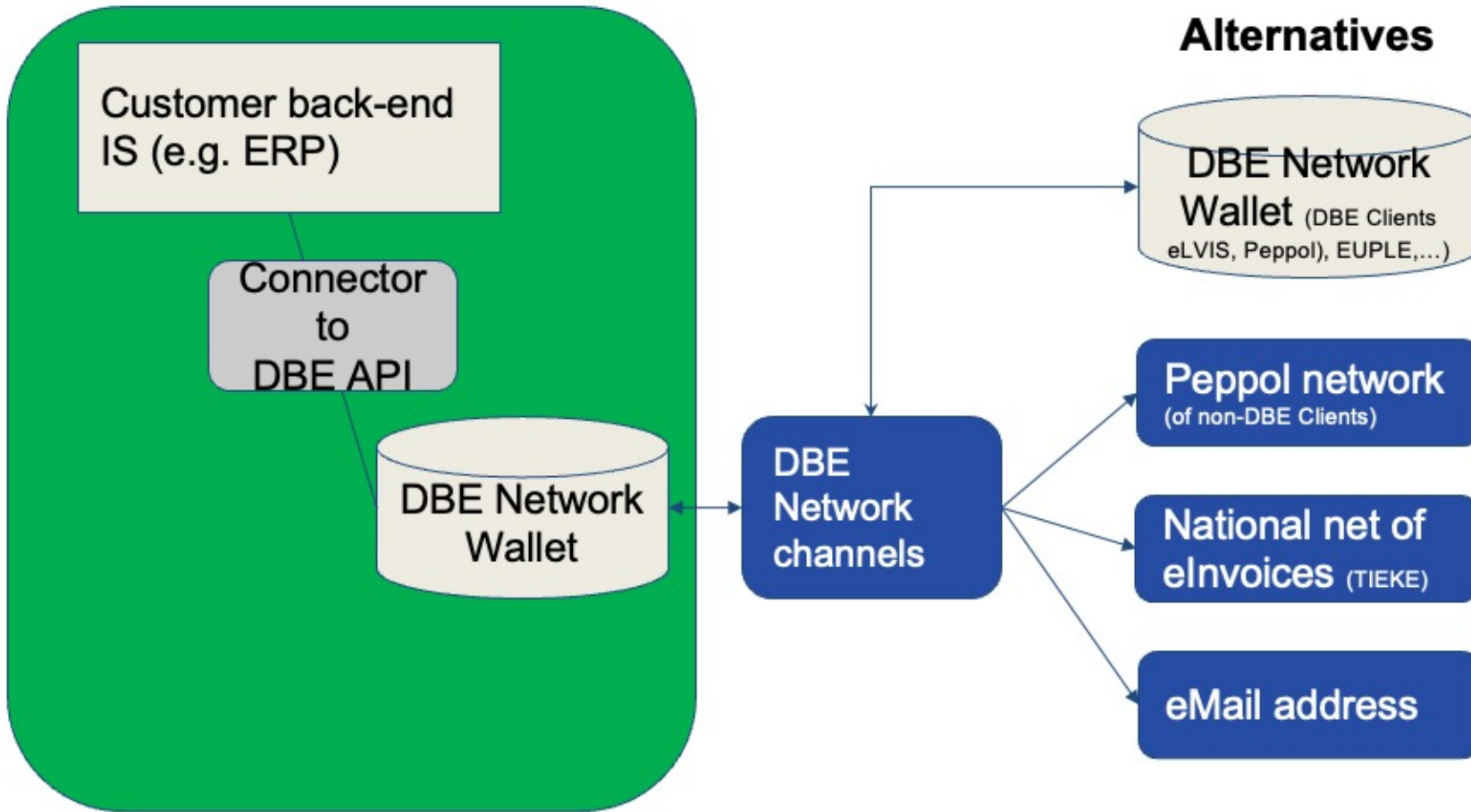
## **EDUCATION, PILOTING, TEST BEFORE INVEST**

Analysis of business benefits, return on investment. Education on electronic data exchange with chosen data sets/documents and data formats including piloting and test before invest

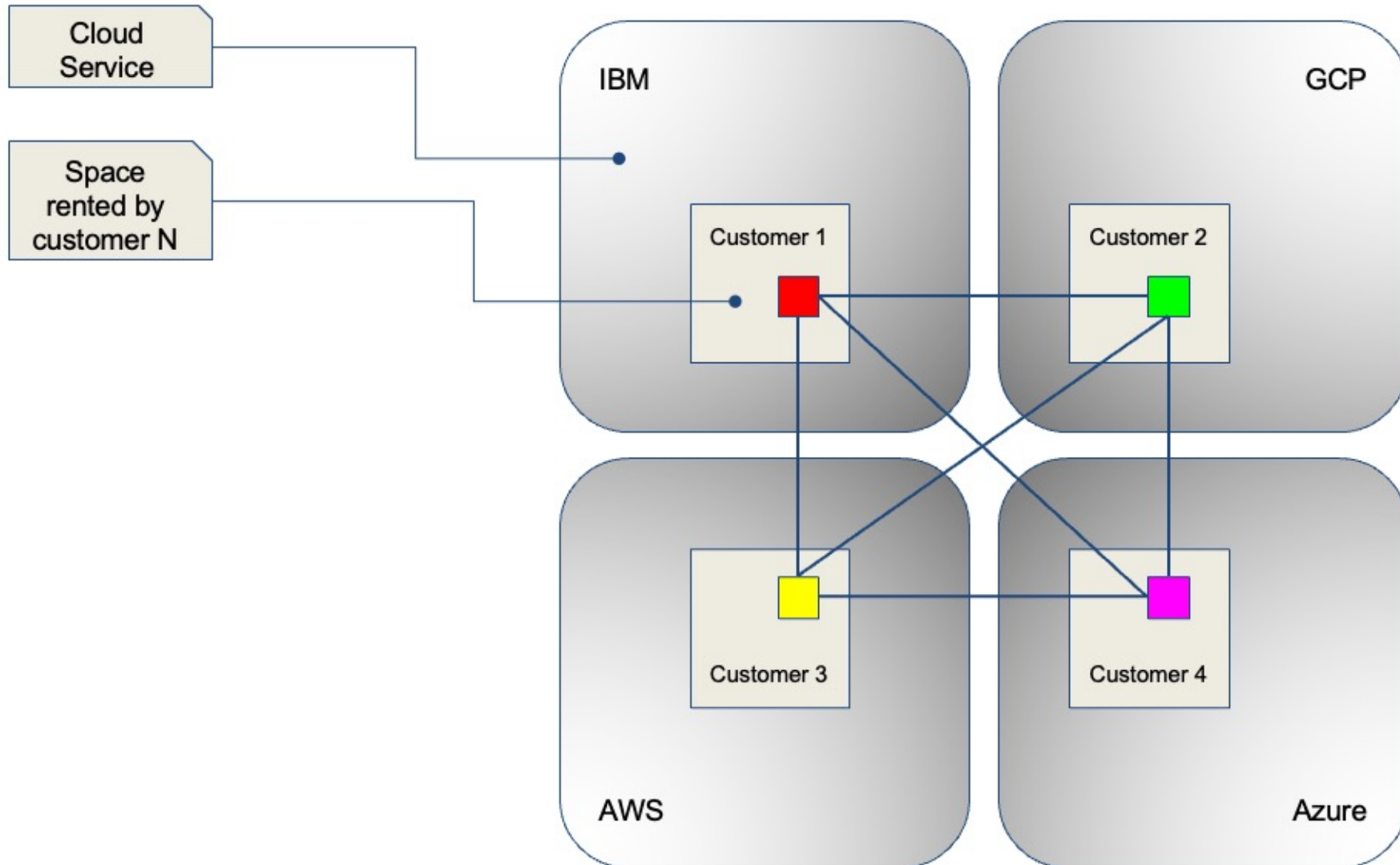


## **CONSULTING**

Profound involvement in the establishment of Finland's Peppol Authority, solid connections to OpenPeppol and Peppol Experts, and participation into related UBL/ISO/UNECE/DTLF standardization



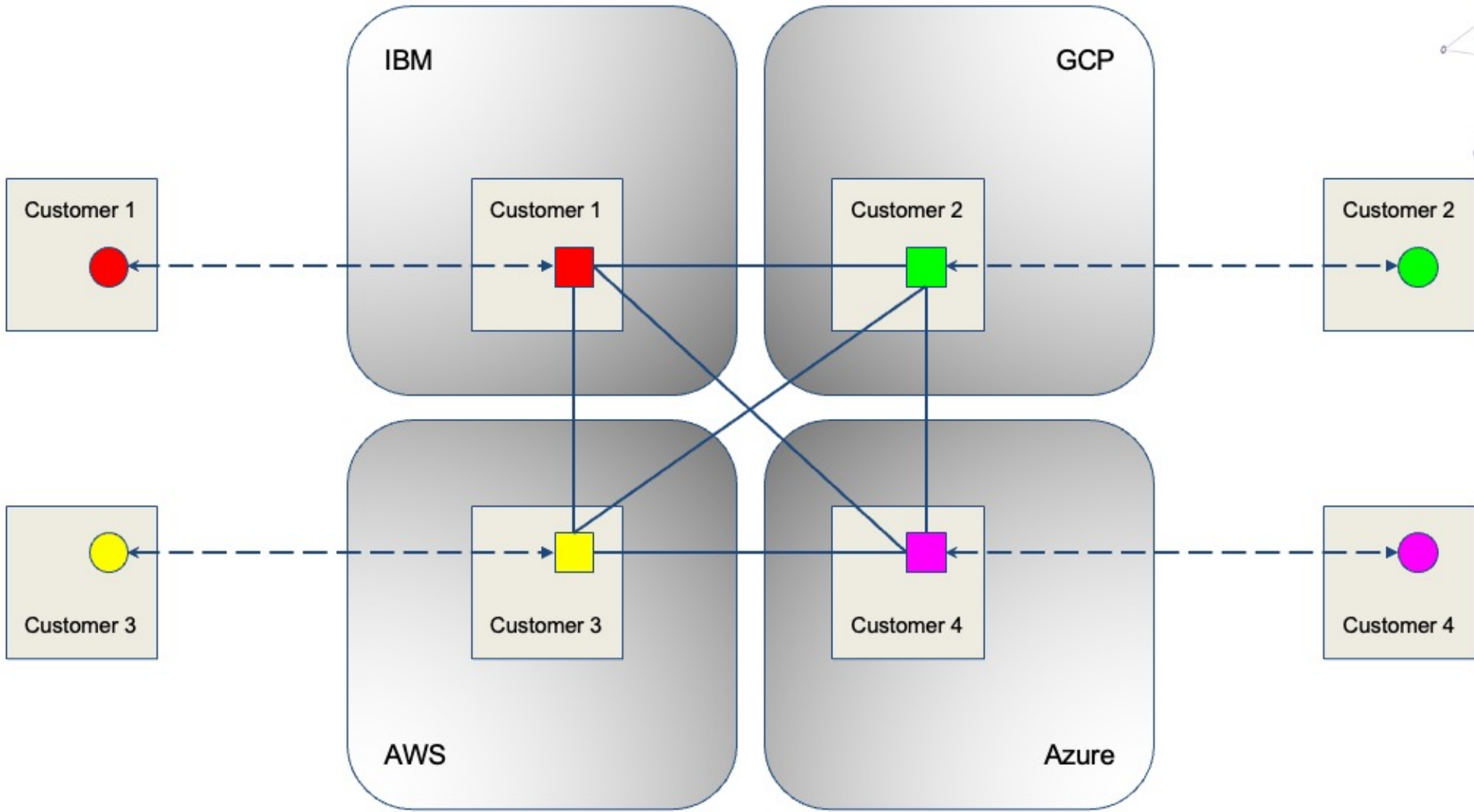
Each distributed ledger is also called a digital data wallet, e.g. Findynet. DBE Core,... Each wallet (ledger) includes only those transactions that its owner has processed as a sender or a receiver. Wallet delivers Single Source of Truth (SSoT) and Self Sovereign Identity (SSI)



**Note:**  
The nodes of this distributed ledger network may be hosted in different cloud environments (and/or in on-site premises)

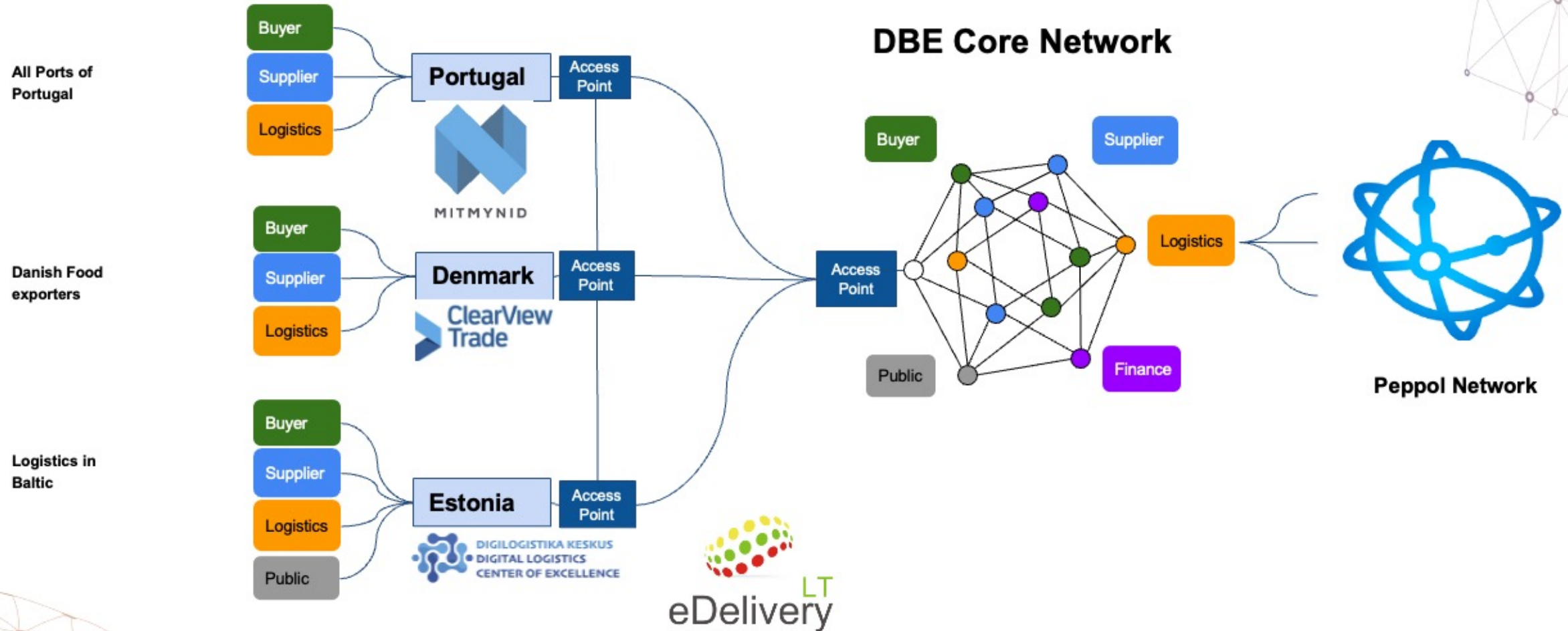


# The Nodes of DBE Core Network with customer dedicated nodes



Note: Each node could be shared, that is used by several user organisations

# Example of DBE Core Network



Unites more than 700 thousand entities across Europe, Australia, New Zealand, China, the US, Canada that are exchanging electronic documents using more than 350 certified Peppol Access Points, or directly peer-to-peer

Available Peppol documents



What does Peppol offer as the solution?  
Ordering as an example

Transfer all product data:

- buyer
- seller
- manufacturer
- Originator
- Forwarder
- Transporter
- web linkage

All documents are compatible:

- product data is transferred from document to document as is.
- No data format conversions needed

One connection to the Peppol network is enough:

- Peppol service providers exchange the messages between member enterprises

Peppol International and new domains (logistics and continuous transaction control) accelerate global growth (now 40 countries)





## Importance to the Finnish Economy – Export and Import industry

- ✓ To Finland originated export and import industry, the transportation and document handling costs of goods add on average 13 % cost load on top of the value of goods exported or imported. The same add-on in Central Europe is 6-7 % (source: Ministry of Transport and Communications 2022). We cannot change geography, but we are able to reduce 60-90 % of document handling costs with automation, that is with electronic data exchange of business documents

## Real Time Economy (rte) program: From 4/2024 Government orders will use Peppol

- ✓ The most recent rte program (6/2021-12/2024), funded partially by EU RFF, has announced that the Government of Finland will execute Government orders with electronic Peppol messages from the beginning of 04/2024. Municipalities, well-fare areas and other public sector organizations as well as the suppliers of Government orders are expected to follow
- ✓ State Treasury signed the contract with OpenPeppol AISBL in July 2022 and became the 18th National Peppol Authority

## Electronic Freight Transport Information (eFTI) and other EU regulation

- ✓ eFTI reporting, based on electronic freight transport waybills, starts as mandatory (EU act) reporting to authorities (customs, border control, police etc.) 08/2025 and extends to all inter-organizational eFTI data exchange by 2029
- ✓ Peppol has started Peppol logistics project to offer the use of Peppol network with the current 350+ authorized Peppol service providers in 35 countries to the exchange of logistics documents, such as waybills
- ✓ The recent 5 EU Data acts (Digital Markets Act, Digital Services Act, Artificial Intelligence Act, Data Governance Act and Data Act) support the use of digital wallets in a technology neutral way

Digital Business Ecosystem

**CORE**

**Trusted Data Storing and Data Exchange as a Service**

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