

IPCSA

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Network of Trusted Networks

Globally Connected Logistics

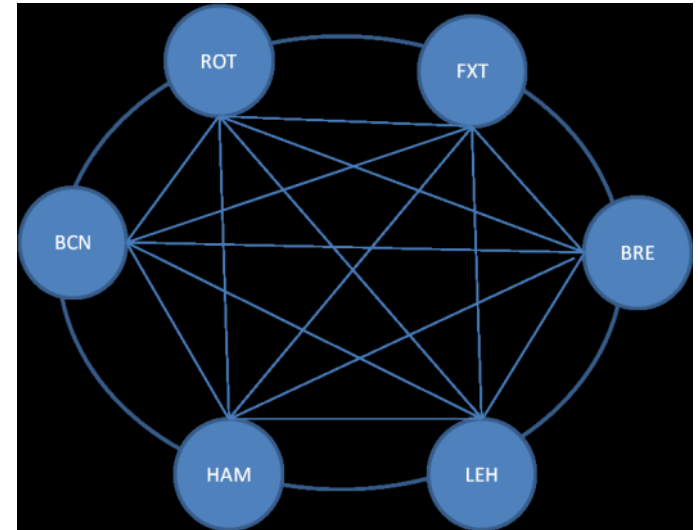
Vision:

- A neutral and trusted network
- Globally Connecting Logistics
- Use of existing IT Infrastructures not new ones
- Simplified User Authorization
- APIs to connect Community Systems
- Collaboration Framework



IPCSA NoTN initiative

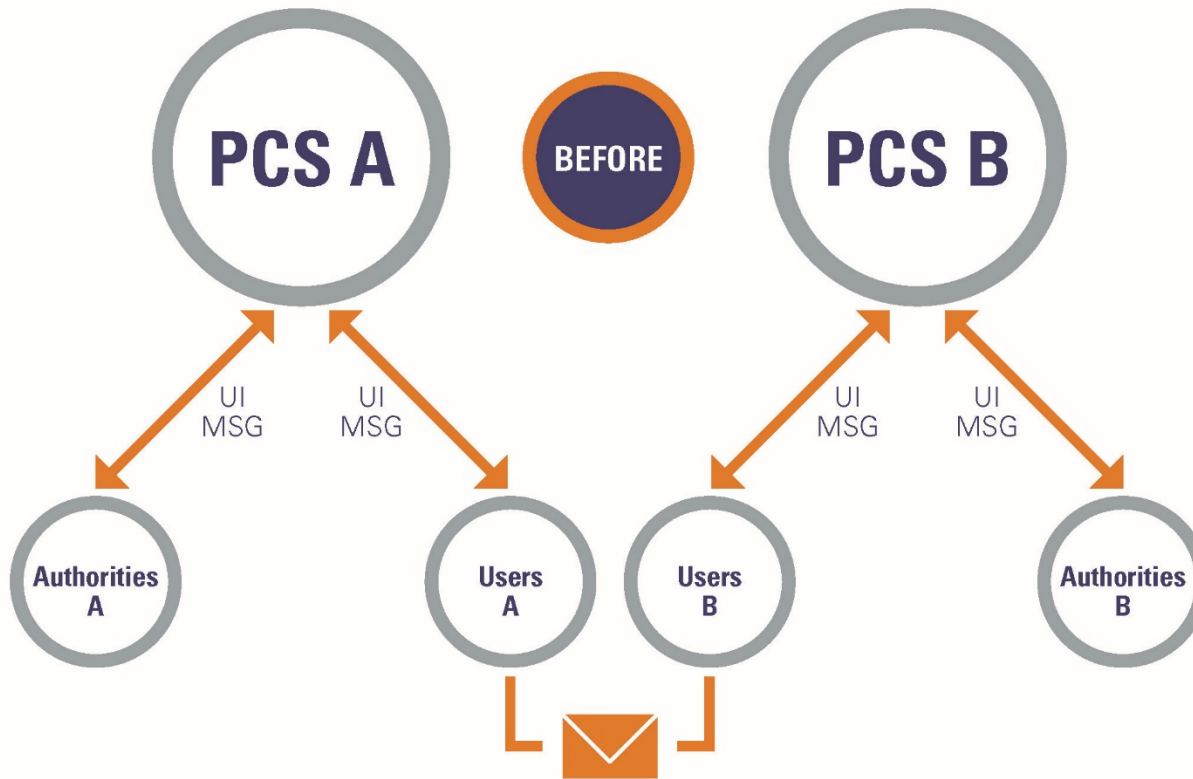
- The PCS are envisioned to be interconnected to enhance the the supply chain. Not only would the PCS would be able to inform about events taking place in their area, but they also could transmit events from other ports.
- The vision of this project is to develop an easy and open standards to be used from different PCS around world to interconnect and share information.
- Interconnection of PCS around the world is only a first but indispensable step for building a valuable service for port operators and shippers, that expect a single-point-of-access solution that provides end-end-end visibility for major ports all over the world.



IPCSA NoTN initiative

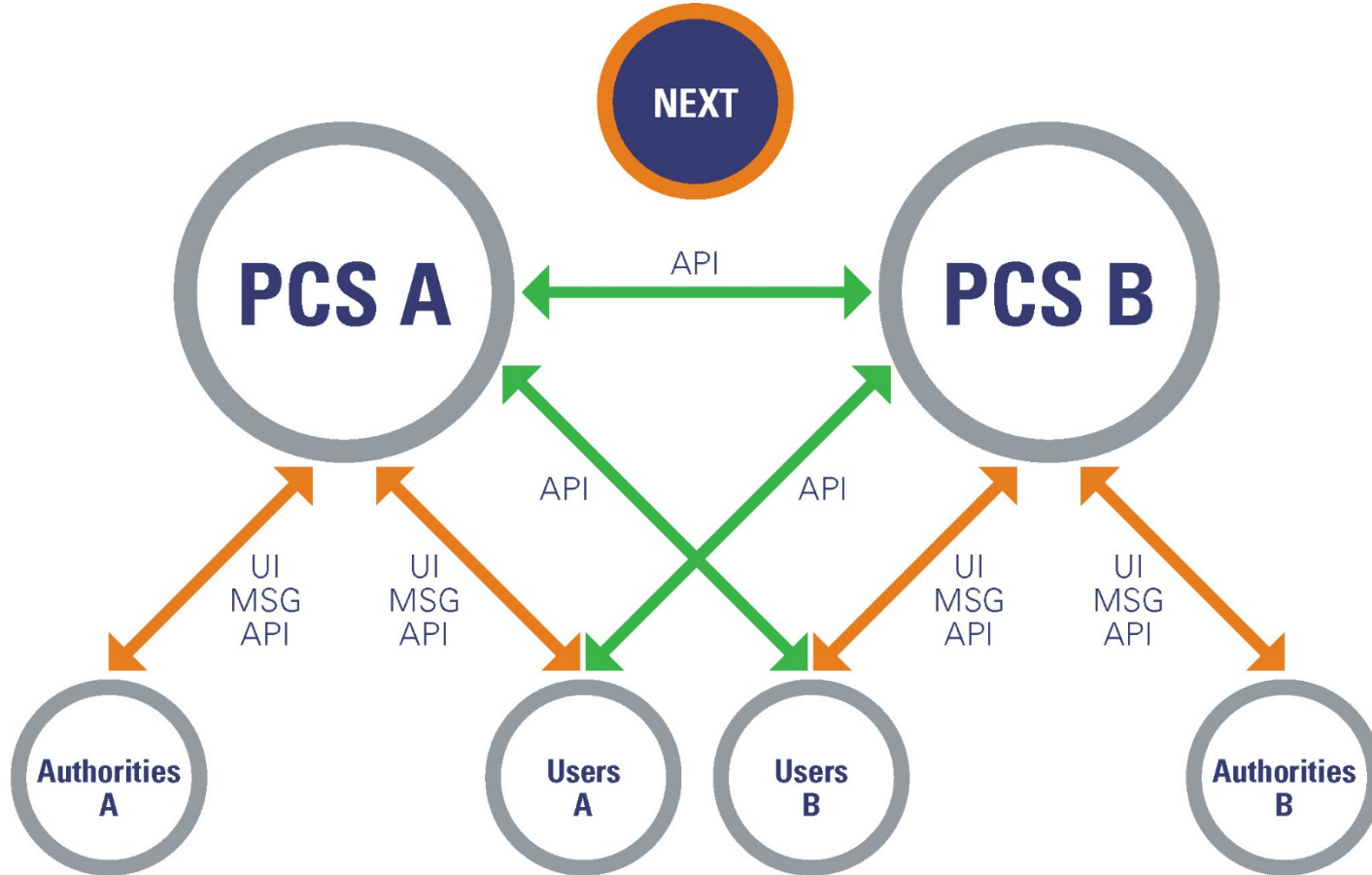
- Collaborative Trusted PCS Framework
 - General Terms & Conditions
 - Service Level Agreements
 - API Services Definitions
 - Collaborative Applications
- API Catalog of IPCSA Services
 - Authentication Services
 - Track & Trace Services
 - Port Calls
 - Shipments
 - MSW (ISPS,CREW,PASSANGERS)
 - Subscription Services

Current Situation



- Hub & Spoke
- Port Centric
- Monolithic
- Central Database
- Message System

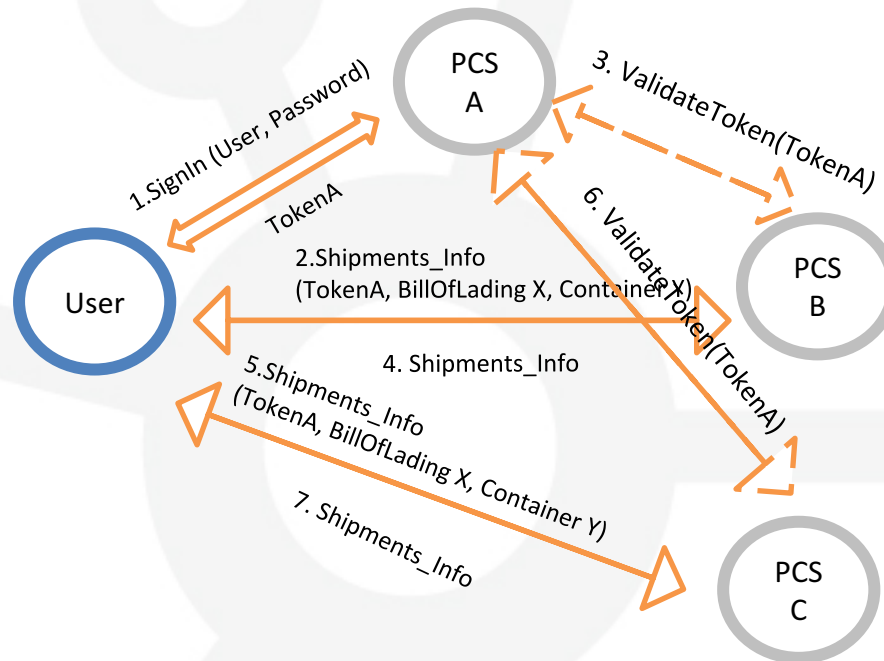
VISION: Network of Trusted Networks



- PCS as Service or Cloud Services
- Global Services
- Federation
- Microservices
- Distributed Database
- API

How Does it Work ?

An Authorized user of PCS A needs to trace of its shipment which shipped at Port B destination Port C



- PCS B, C trusts in PCS A as an Authentication Service Provider.

DEMO

<http://52.17.181.127/trackandtraceimpldemo2/port/login.xhtml>

<http://52.17.181.127/trackandtraceimpldemo2/port/login.xhtml>

IPCSA NoTN initiative

- New Potential IPCSA Services
 - Companies Directory Services
 - Transport Orders
 - Dangerous Goods List
 - Certificates
- Development of a Backbone of Information through the PCS Collaboration.



Thanks