Future of Data Sharing in Air Cargo

29th of January 2019

Smart Mobility Launch Event

Kari Saarikoski, Finnair Cargo

Logistics – highly fragmented industry

Standardization / protocol

World Standards Cooperation

ISO

GS1

UN/EDIFACT

IATA CargoXML

ANSI X12

American National Standards Institute

SMDG

EUROPEAN UNION AGENCY FOR RAILWAYS

TAF/TSI

UBL

OASIS

Advancing open standards for the information society

IGO Intergovernmental organizations

IMO International Maritime Organization

World Customs Organization

World Trade Organization

United Nations Economic Commission for Europe

International Chamber of Commerce

The world business organization

EMSA

Paris MOU on Port State Control

MOVE

Union Customs Code 2016

DSM

Associations

ESC

global shippers forum

FIATA

GACAG Global Air Cargo Advisory Group

CLECAT

TIA Transportation Intermediaries Association

IATA

TIACA

FEPORT

IPCSA

ESPO

ECSA European Community Shipowners' Associations

IACS

BIMCO

IALA

IRU

BIC

ebu European Barge Union

CIT

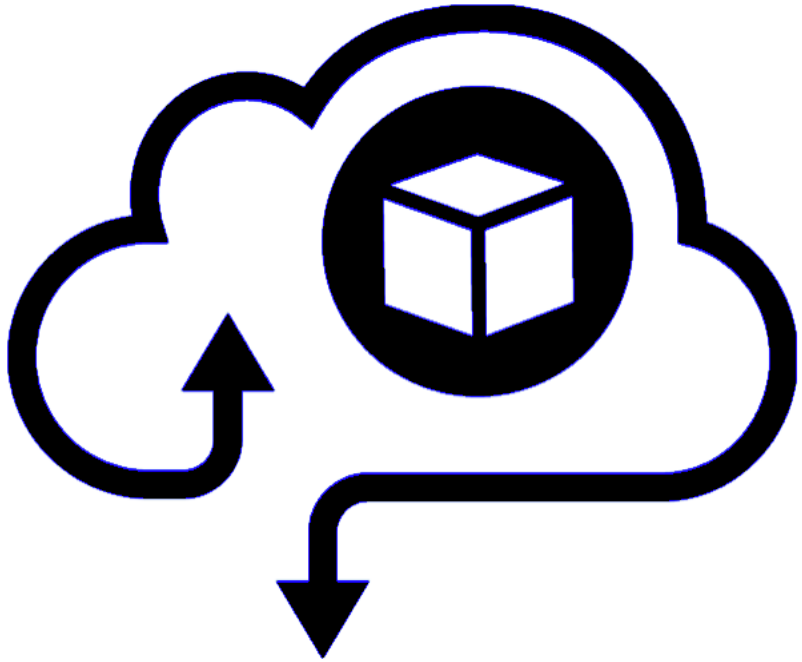
UIRR International Union for Road-Rail Combined Transport

ERFA European Rail Freight Association

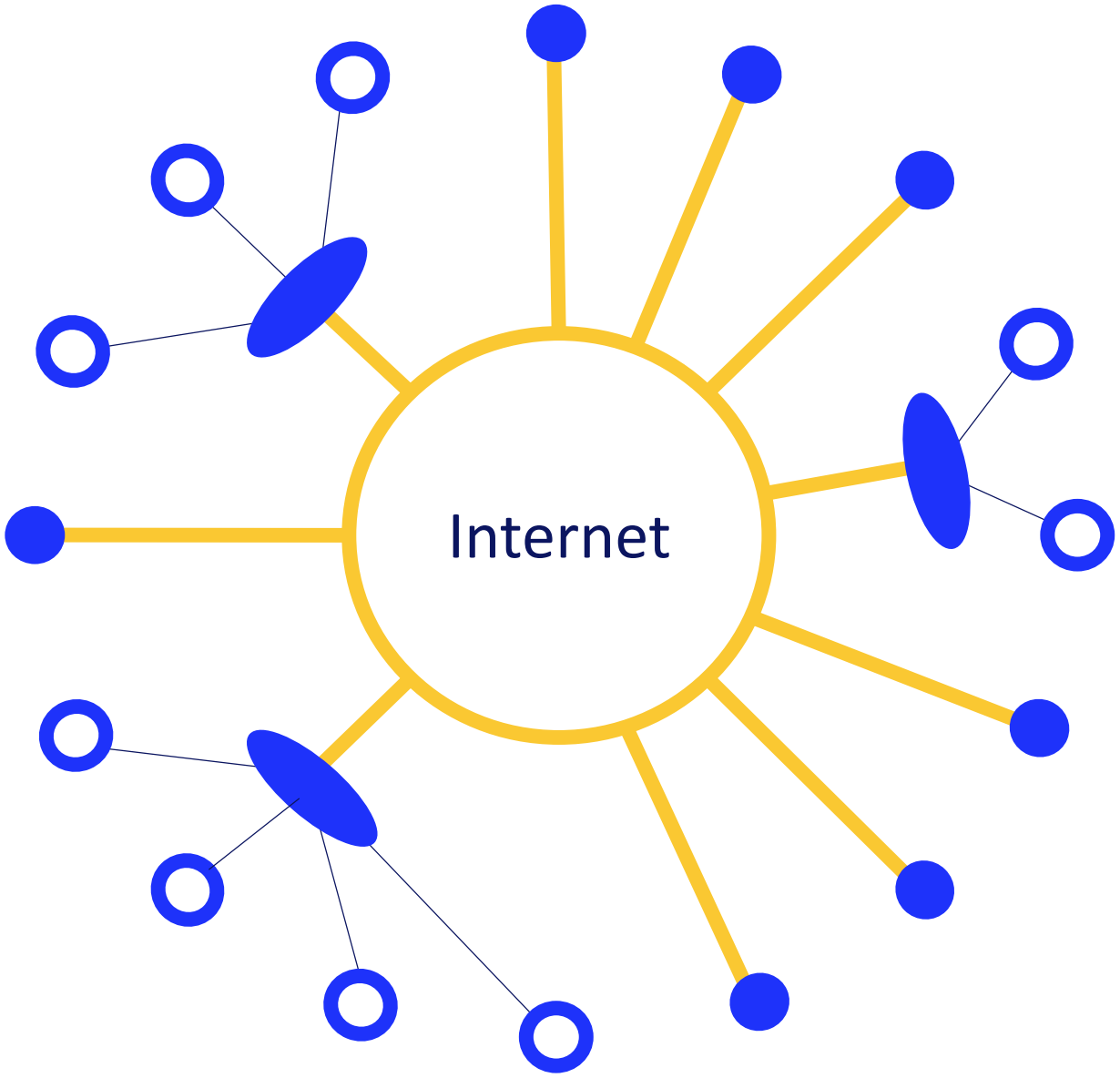
EU Projects and testbeds

- ICargo
- ANNA
- MEDAMoS
- Cassandra
- CORE
- SSS
- STM
- Nordic Way
- S2R
- RFC
- Euridice
- Secure SCM
- eFreight

ONE Record: simplicity of the web



- Everything is a URL
- A modern data model
- Simple web access protocols
- Security and managed access



Company *without* its own ONE Record host

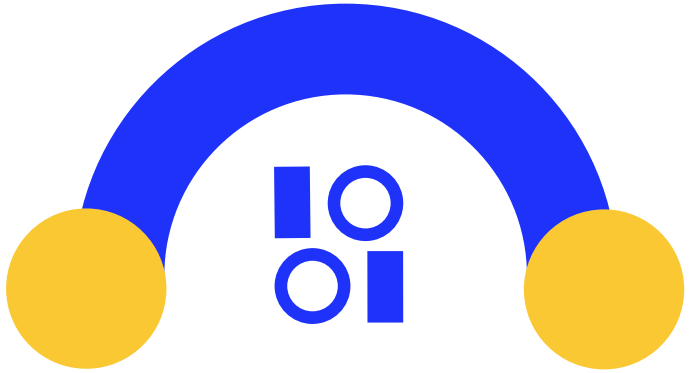
Company *with* its own ONE Record host

Shared ONE Record host

ONE Record

Data Model

- Designed from the ground up
- Centered around the Piece
- Object centric instead of document centric



API

- Standard WEB API
- Active data sharing
  - Publish/subscribe
  - Shared updates

Security

- Accredited Trust Centers
- Identity Provider
- Authorization
- Data security

Status and planning

Develop ONE Record Standard

- Data schema’s
- Web API’s
- Security

Testing

- Analysis
- Test system
- Hackathon

2018

Deployment

- Business processes
- Pilot projects
- Expansion
- Implementation & guides

2019

Background

Founded in 2016 in Switzerland, the Digital Cargo Forum (DCF) represents service providers that are directly or indirectly involved in trade and cargo transportation industry. Roles of our members are:

The need for DCF

The logistics industry is known for the many different logistics associations. Some operate locally (country level) others work global on an industry or modal level. So, why starting another one?

What we do

Promote and protect the interests of international trade and facilitate effective cooperation among market players on trade facilitation;

- Secure a neutral, open, independent

Mission

“To provide the cargo industry with a structure and a framework where supply chain participants collaborate and co-develop digital projects for improved visibility, transparency and efficiency in the industry”

The Digital Cargo Forum act as an open-lab / factory of Proof of Concepts (PoC) for new technologies / industry solutions

More Information

Finnair Cargo: the salmon run from Northern Norway to Tokyo in 36 hours
https://www.youtube.com/watch?v=xlgfUVRYq-I

Finnair Cargo 360° video: everything in the COOL cargo terminal tells a story
https://www.youtube.com/watch?v=Exn34uAPp-4&t=2s

IATA One Record
https://www.iata.org/whatwedo/cargo/e/Pages/one-record.aspx

AIR & Cargo Hackathon Geneva 2018
https://www.youtube.com/watch?v=AMl1AFfHg7o

Digital Cargo Forum
http://digitalcargoforum.org

Thank you for your attention – happy to answer any questions

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