

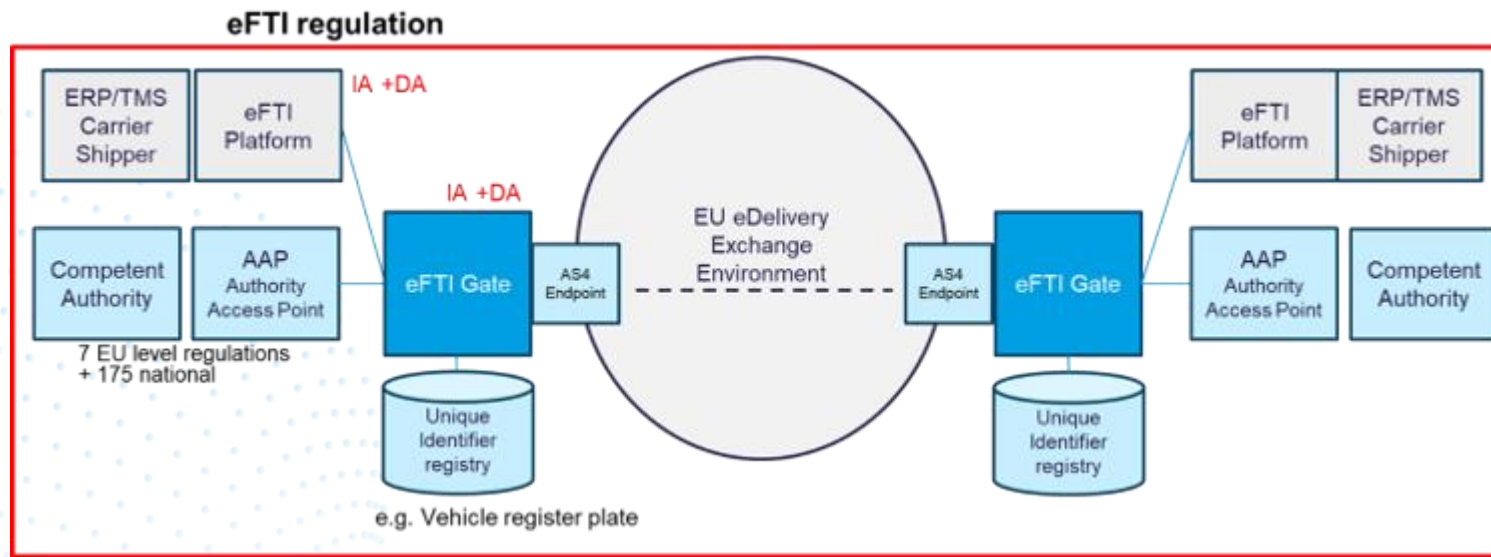


eFTI4EU testfest gate-to-gate testing

Use Case story

Background

- The purpose of the eFTI is to allow competent authorities to access freight transport data
- This is done by an architecture in which authorities use Gates to access data on Platforms that host the data for economic operators



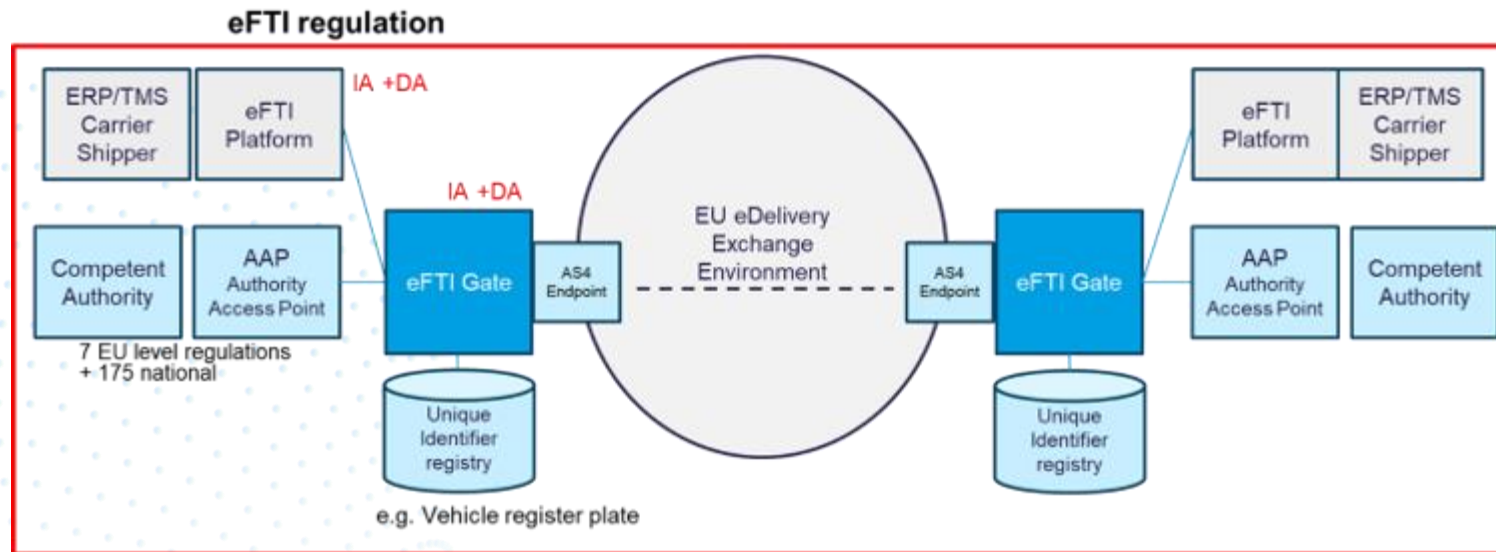
Making it EU-wide

- Each member state has their own Gate which indexes the data of the platforms connected to it and can access the whole data set in the platform
- The Gates form a network which allows them to access data from other member states via the member state Gate
- This allows authorities to have one integration to access all data in the eFTI network



What was tested in the test fest?

- The foundation of any network is getting the requested data from one server to another
- The objective in the test fest was to test communication between eFTI Gates, which enables accessing data from all Platforms within the eFTI network



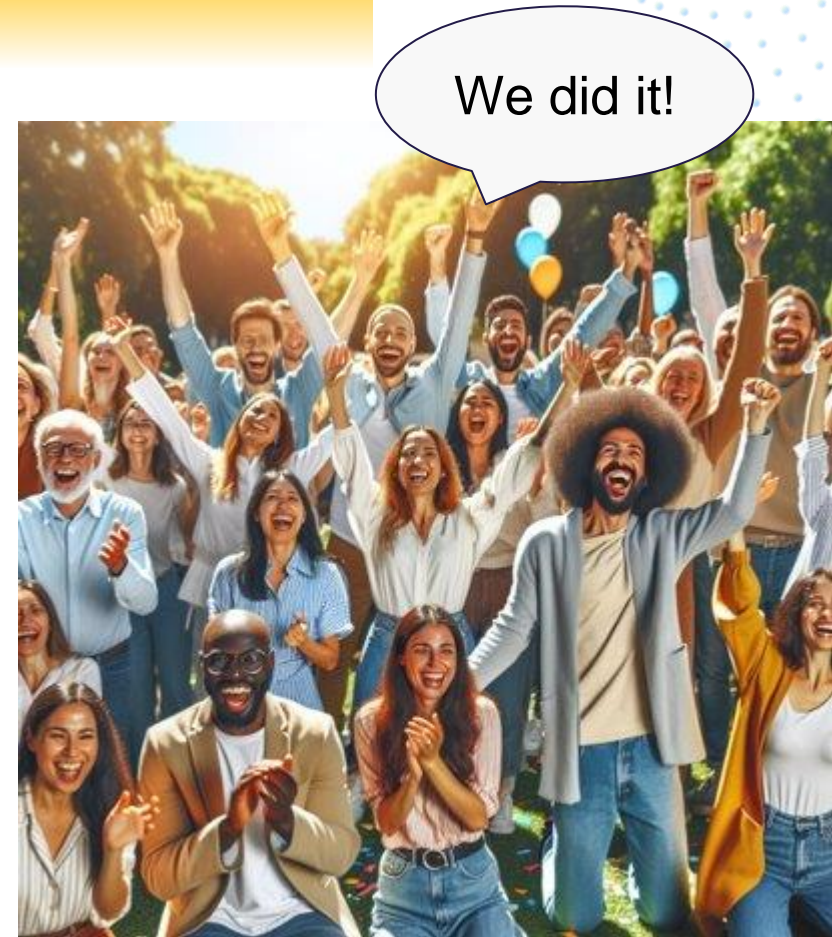
How was the testing done?

- A local closed network was built in order to be able to ignore security issues
- In the closed network a number of computers act as eFTI Gates running national implementations of eFTI Gates
- The Gates communicate to each other via the eDelivery network that was set up
- Any data that was passed around was simulated using simulators for the platforms



What does this mean?

- The outcome of the test fest was the first test network in which simulated test data was passed around
- The test fest validates the communication between Gates and that is the core of the upcoming eFTI network



Passed test

First successful eFTI Gate to eFTI Gate data exchange test

1. FI Gate to FR Gate
2. FR Gate to FI Gate
3. FI Gate to reference implementation Gate
4. FR Gate to reference implementation Gate
5. Reference implementation Gate to FI Gate
6. Reference implementation Gate to FR Gate

Passed tests

- eDelivery
- UIL
- Registry of identifiers
- additional tests messages

Minimum test setup for end-to-end tests - to be considered in future test fests

1. PoC

- a. eFTI Gate, eFTI platform, CA application (mockup)
- b. Clarification: minimum version of eFTI data exchange system

2. National tests

- a. eFTI Gate, 2 eFTI platforms, CA application
- b. Clarification: test environment where national eFTI data exchange can be tested with right platform identification

3. Crossborder pilots

- a. 2 eFTI Gates, 2 eFTI platforms, CA application
- b. Clarification: full eFTI data exchange system test environment, where platform identification and data exchange between Gates can be tested

eDelivery for trusted and secure data exchange



“It is like SOAP, but not the same”

eDelivery is data exchange format, where parties can share data/messages between others based on party IDs and message IDs.

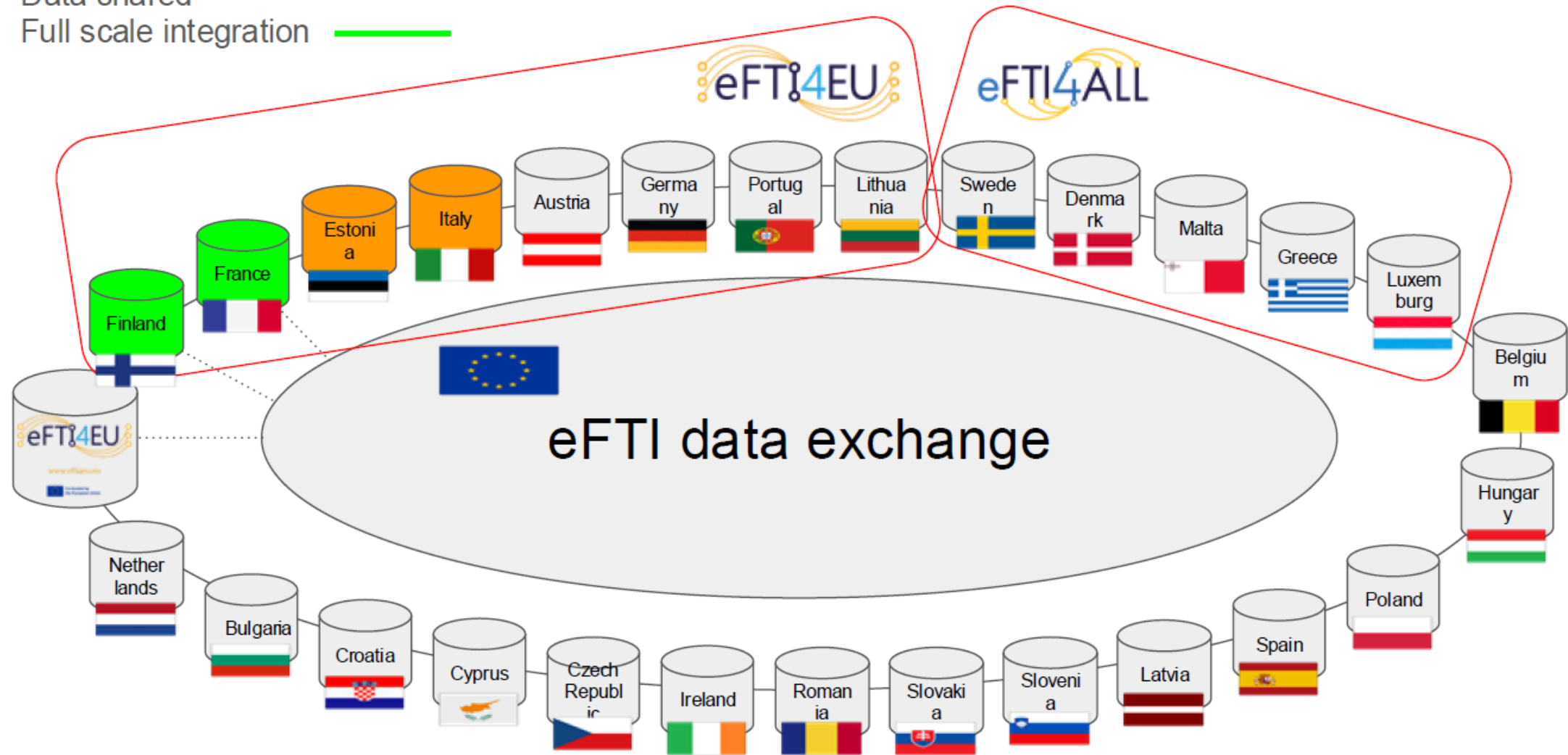
Building blocks:

- envelope: structure
- payload: message

eFTI eDelivery services:

- UIL query action
- identifier query action
- ping test action

Connection created
Data shared _____
Full scale integration _____



Thanks!



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