











CONNECT & PRODUCE

How to get started with OpenAPI Data App & SCSN?

Maarten Kollenstart, Matthijs Punter, Mike de Roode





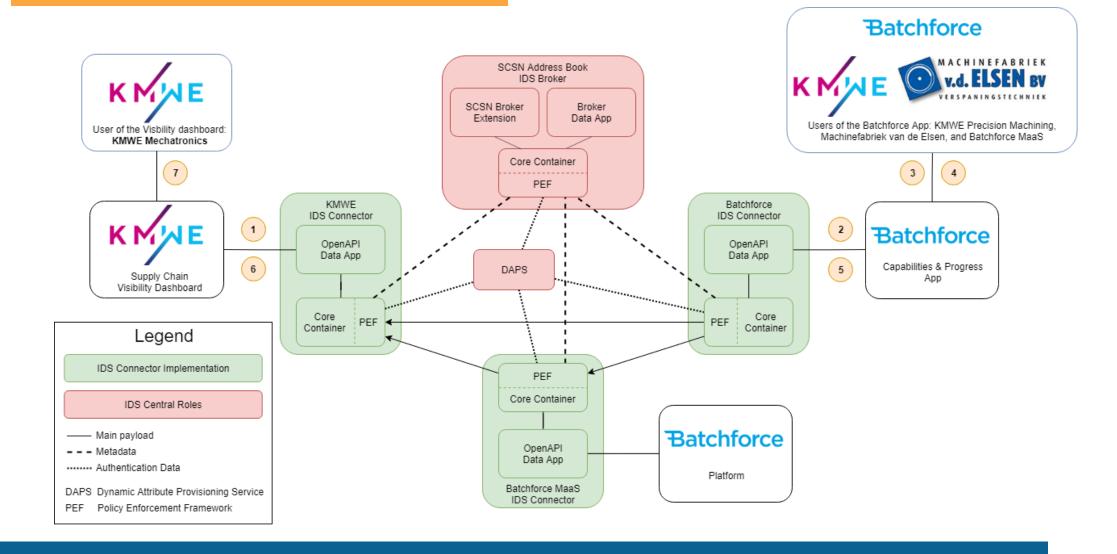


OpenAPI + SCSN Data App

The MARKET4.0 Data App:

- Is linked to the IDS Connector for controlled data sharing
- Implements an OpenAPI specification to enable integration with 3rd party apps and services
- Implements the Smart Connected Supplier Network (SCSN) specification for purchase-to-pay information

IDS + SCSN OpenAPI Data App

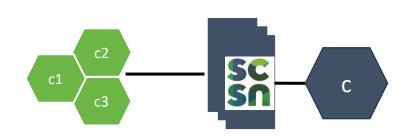


International Data Spaces

SCSN Overview





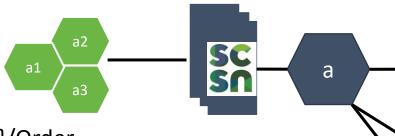






International Data Spaces

In practice



POST: {url}/Order

Header:

From: a1

To: b3

Body: <order/>

POST: {ch}/{pgoker}/getParty

Header: Heade<u>r</u>:

From: a1, a; To: ch From: a1, a; To: Broker

Body: header body (SCSN) larget: <name>b3</name>



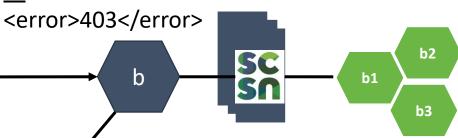
Header:

From: b3,b; To: a1, a

Body:

<error>201</error>

<orderresponse/>



POST: {ch}/log

Header:

From: b3, b; To: ch

Body:

header, body (SCSN)



App Store

Header\$T: {b}/Order

<nar**Body3</nraleng>**

<spurl>{b}</spurl>

<gln>31242434</gln>

Broker

CH

Identity

Provider

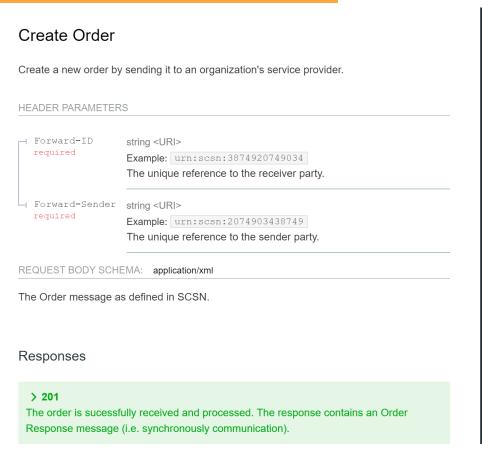
Body:rom: a1, a

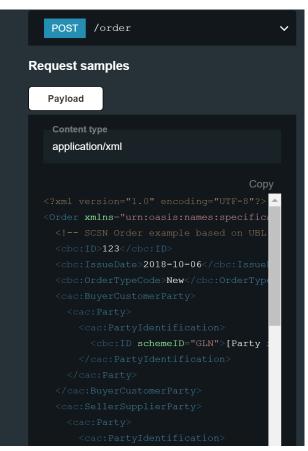
Partylo: b3, b

<sp>b<sp>

From Headeer; To: a1, a;

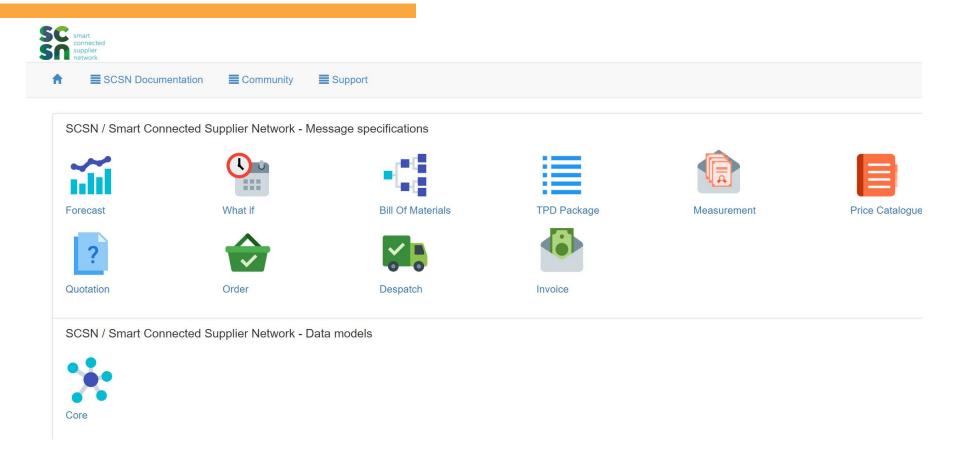
1. Implement the SCSN OpenAPI spec in your software





SCSN OpenAPI: https://api-specs.ids.smart-connected.nl/scsn/0.4.6

2. Use the right semantic definitions → Semantic Treehouse



Semantic Treehouse: https://smartconnected.semantic-treehouse.nl/

3. Deploy the IDS Connector + SCSN DataApp provided by MARKET4.0

Requirements:

- Docker or Kubernetes cluster
- SCSN OpenAPI implementation

Instructions and how to start:

- OpenAPI Data App
 - https://gitlab.com/market4.0/openapi-data-app
- SCSN
 - https://smart-connected-supplier-network.gitbook.io/processmanual/
- Example deployment
 - https://gitlab.com/market4.0/sample-deployment

THANK YOU









































