Data Exchange

Platform for data exchange at the Swedish Transport Administration
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Purpose of the Data Exchange Platform

- Ability to exchange data of any type internally and externally
- Make it easy for business system to share their data
- Ability to both send and receive data
- User focused, easy to use, good performance
- Ability to support any agreed standard
- Dynamic and adoptable
Focus on data exchange not system integration

• You don’t need to know who created the data or where it came from when using it
• Business systems only have to care about producing data
• We normally define a generic data model for each data type
• Can also be a Industry standard definition like Datex, Etsi etc.
• Data type agnostic, XML, JSON, Files etc
• Support for versioning of data
Solution

- Data centric
- Built in-house
- Digital Integration Hub
- Horizontally scalable
Implementation

- Used both internally and externally
- Same solution for all data, built as generic solutions to be reused
- Simple API for all data
- Geo query support in API
- Streaming support
- Self service and automatization
- Add support for new datatypes is mostly configuration
User portal for Internal and External users

- News
- Operating information
- Datamodels
- Testbench
- Code examples
- Forum
Today

- Used by thousands of users to get Open Data
- Used by many internal systems to exchange data
- Used in data exchange with external companies like Train operators, Vehicle companies etc.
- > 300 object types today
- Can set up new data types with little effort saving time and money