tenseidata

Data integration & management within the IoT ecosystem

wegtam

Data management within the IoT ecosystem

IoT systems

Traditional systems

Offline systems
- o
- o
- o

IoT
network

Intermediary
data

Data Warehouse

BI solutions

Report systems

CRM/ERP/CMS
systems
- o
- o
- o

Collect
Integrate
Transform
Deliver

tensei**data**

weg**tam**

A product of Wegtam company
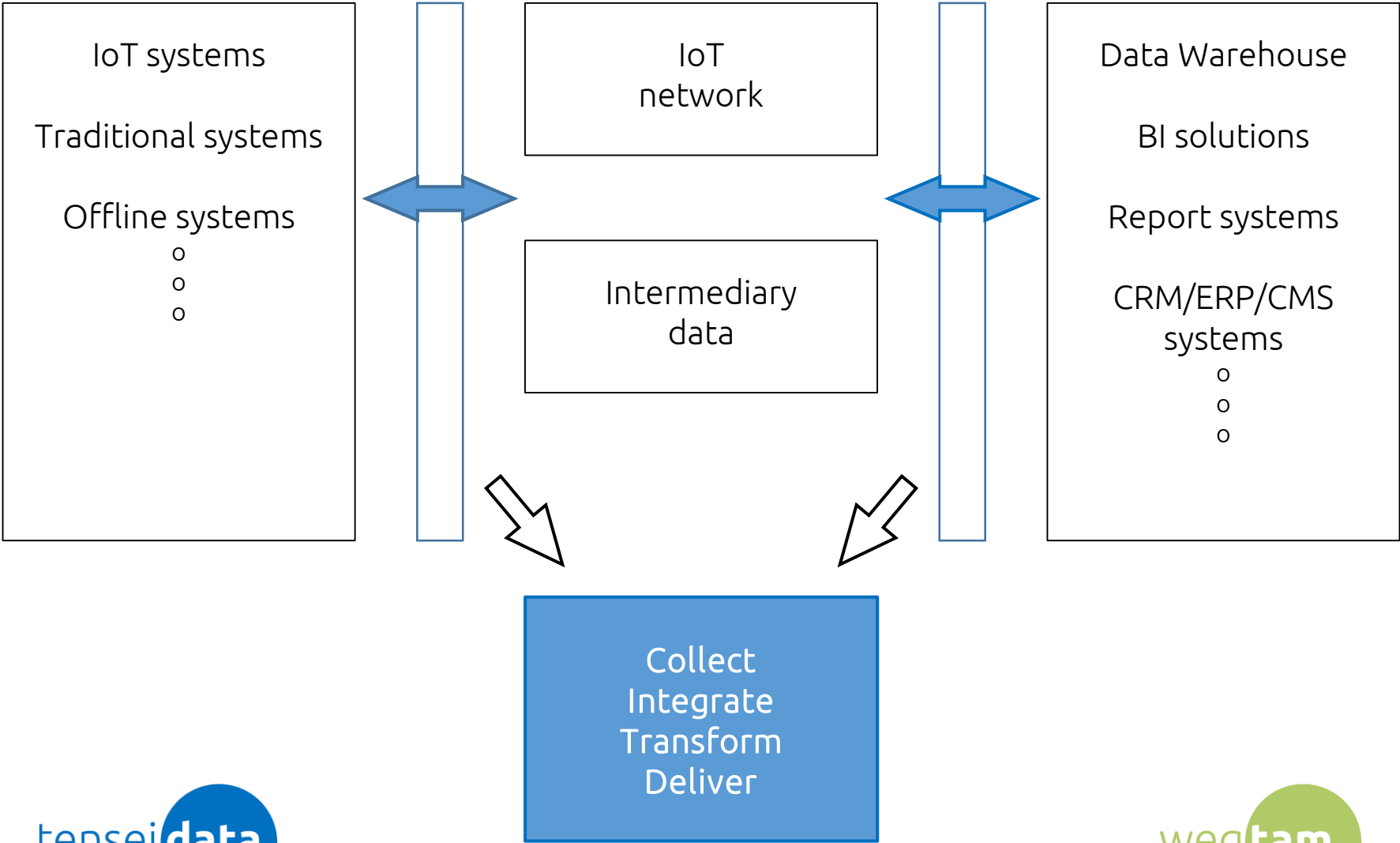
Dynamic access to endless data structures

```xml
 3 ▾   <seq db-primary-key="id" id="account_bugs">
 4 ▾     <elem id="account_bugs_row">
 5         <str db-column-name="id" id="account_bugs_row_id" max-length="36"/>
 6         <str db-column-name="account_id" db-foreign-key="accounts_row_id" defaultstr="NULL" id="account_bugs_row_account_id" max-length="36"/>
 7         <str db-column-name="bug_id" db-foreign-key="bugs_row_id" defaultstr="NULL" id="account_bugs_row_bug_id" max-length="36"/>
 8         <datetime db-column-name="date_modified" id="account_bugs_row_date_modified"/>
 9         <formatnum db-column-name="deleted" format="(-?\d{0, 1})" id="account_bugs_row_deleted" max-digits="1"/>
10       </elem>
11     </seq>
12 ▾   <seq db-primary-key="id" id="accounts">
13 ▸     <elem id="accounts_row">↔</elem>
48     </seq>
49 ▾   <seq db-primary-key="id" id="accounts_contacts">
50 ▾     <elem id="accounts_contacts_row">
51         <str db-column-name="id" id="accounts_contacts_row_id" max-length="36"/>
52         <str db-column-name="contact_id" db-foreign-key="contacts_row_id" defaultstr="NULL" id="accounts_contacts_row_contact_id" max-length="36"/>
53         <str db-column-name="account_id" db-foreign-key="accounts_row_id" defaultstr="NULL" id="accounts_contacts_row_account_id" max-length="36"/>
54         <datetime db-column-name="date_modified" id="accounts_contacts_row_date_modified"/>
55         <formatnum db-column-name="deleted" format="(-?\d{0, 1})" id="accounts_contacts_row_deleted" max-digits="1"/>
56       </elem>
57     </seq>
58 ▾   <seq db-primary-key="id" id="bugs">
59 ▸     <elem id="bugs_row">↔</elem>
80     </seq>
81 ▾   <seq db-primary-key="id" id="contacts">
82 ▾     <elem id="contacts_row">
83         <str db-column-name="id" id="contacts_row_id" max-length="36"/>
84         <datetime db-column-name="date_entered" id="contacts_row_date_entered"/>
85         <datetime db-column-name="date_modified" id="contacts_row_date_modified"/>
86         <str db-column-name="modified_user_id" defaultstr="NULL" id="contacts_row_modified_user_id" max-length="36"/>
87         <str db-column-name="created_by" defaultstr="NULL" id="contacts_row_created_by" max-length="36"/>
88         <str db-column-name="description" id="contacts_row_description"/>
89         <formatnum db-column-name="deleted" defaultnum="0" format="(-?\d{0, 1})" id="contacts_row_deleted" max-digits="1"/>
```
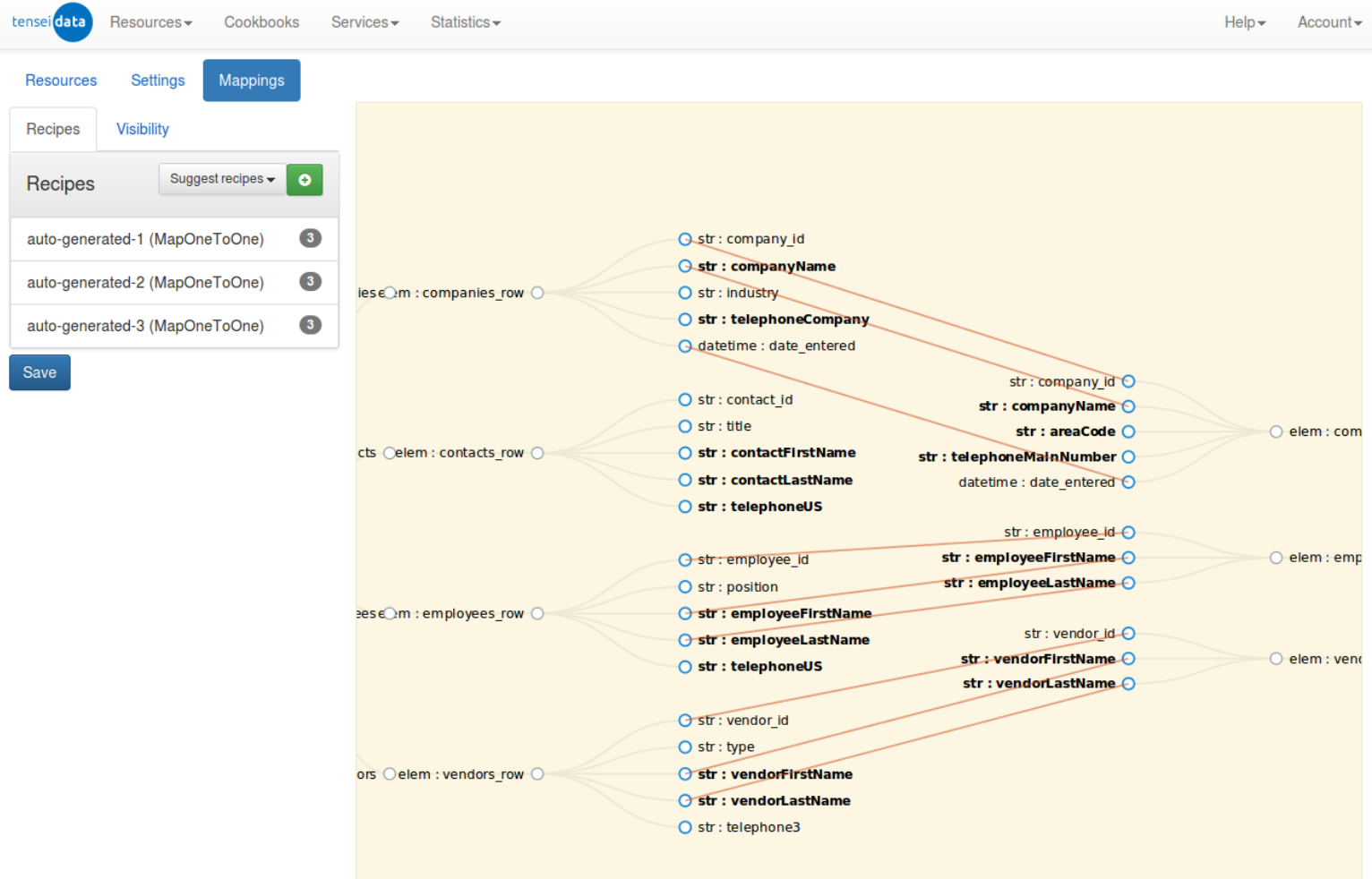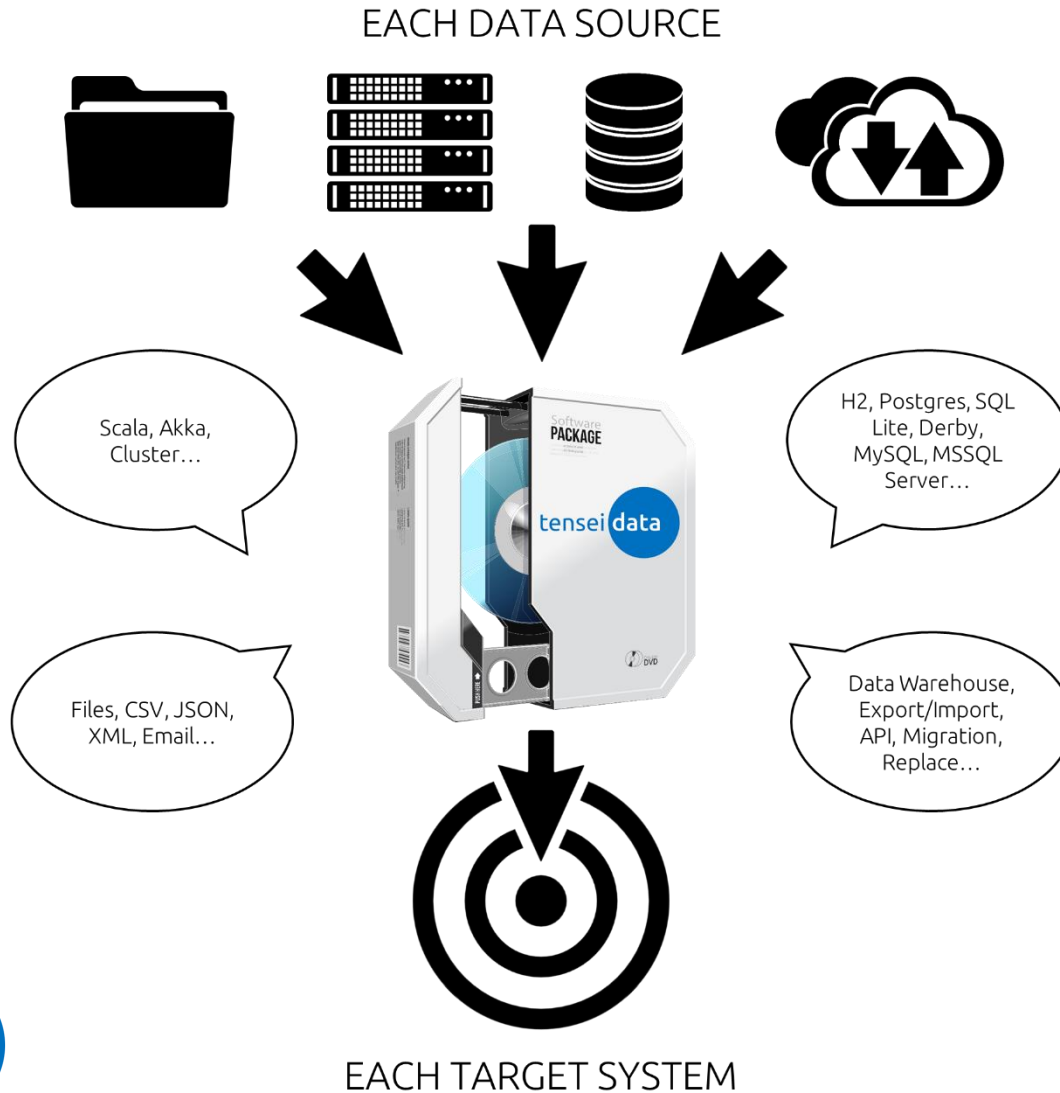
Usability by abstraction

Integration of IoT systems

EACH DATA SOURCE

Scala, Akka, Cluster…

H2, Postgres, SQL Lite, Derby, MySQL, MSSQL Server…

Files, CSV, JSON, XML, Email…

Data Warehouse, Export/Import, API, Migration, Replace…

EACH TARGET SYSTEM

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