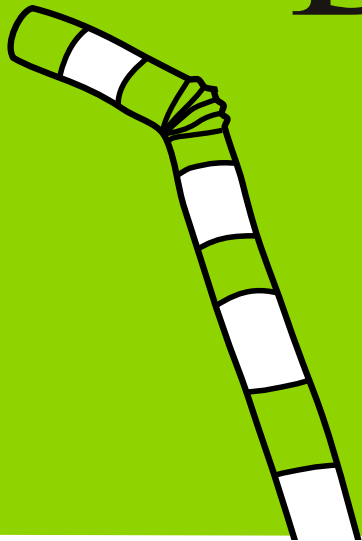
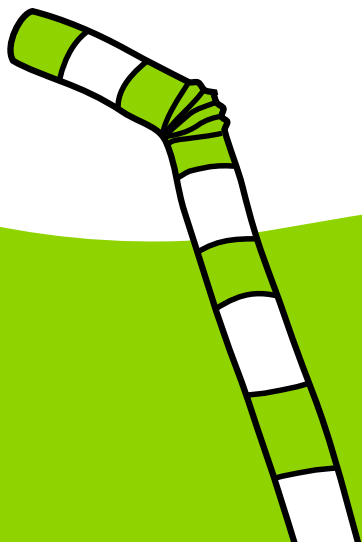


Meet <sup>the</sup> New  
Flexible & Powerful  
Data Extraction  
Component



It's  
**You**



...with a little help from



Community Data Access





Community  
Data  
Access

Ever thought about **gathering**,  
**merging** and **delivering** data from  
**different sources** through **Pentaho**  
User Console?

By **webdetails**  
& Friends

For  **pentaho™ 3.5 / 3.6** Ready

CDA Community Data Access.  
Multiple sources, Multiple Outputs.

## ► Example 1

**Imagine** you have sales and budget data. You need to use both in a dashboard and export to a spread sheet.

**CDA can easily join the two datasources** and give you, out of the box, the outputs you need.

## ► Example 2

**Imagine you need** an excel file of the total amount of purchases for 2009 to make your calculations.

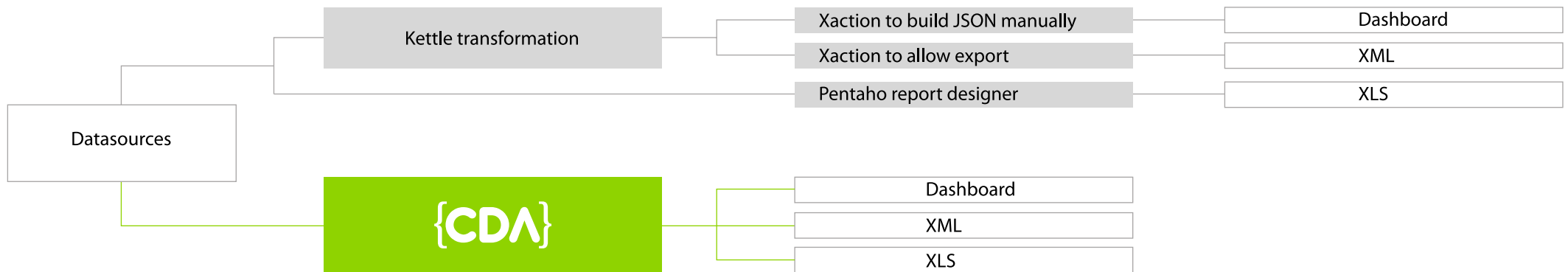
**Without CDA** you'd have to build a specific report in PRD (time consuming for a simple output) or an ETL in kettle (extra steps to integrate in bi platform).

**With CDA**, simply bookmark an url and download the file. A simple CDA file can achieve this.

## ► Example 3

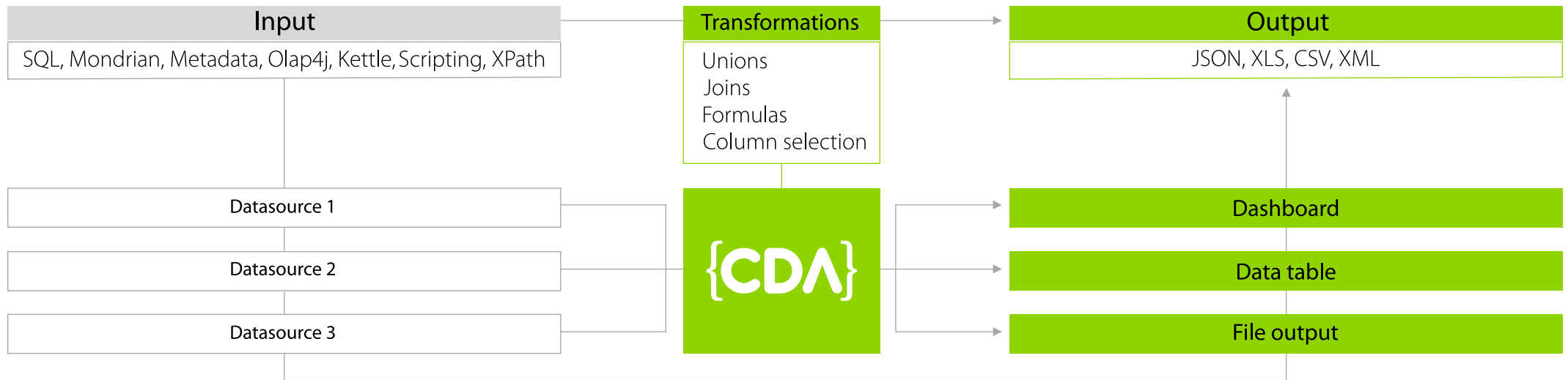
**Imagine that you want** another excel file with the 2010 orders, forecast for 2010 and an extra column for the percentage between the two. Usually, sales information and forecasts are stored in different cubes.

Even if they are on different servers, **with CDA** you can join them and calculate the percentage with a simple formula (in the same syntax used in PRD).

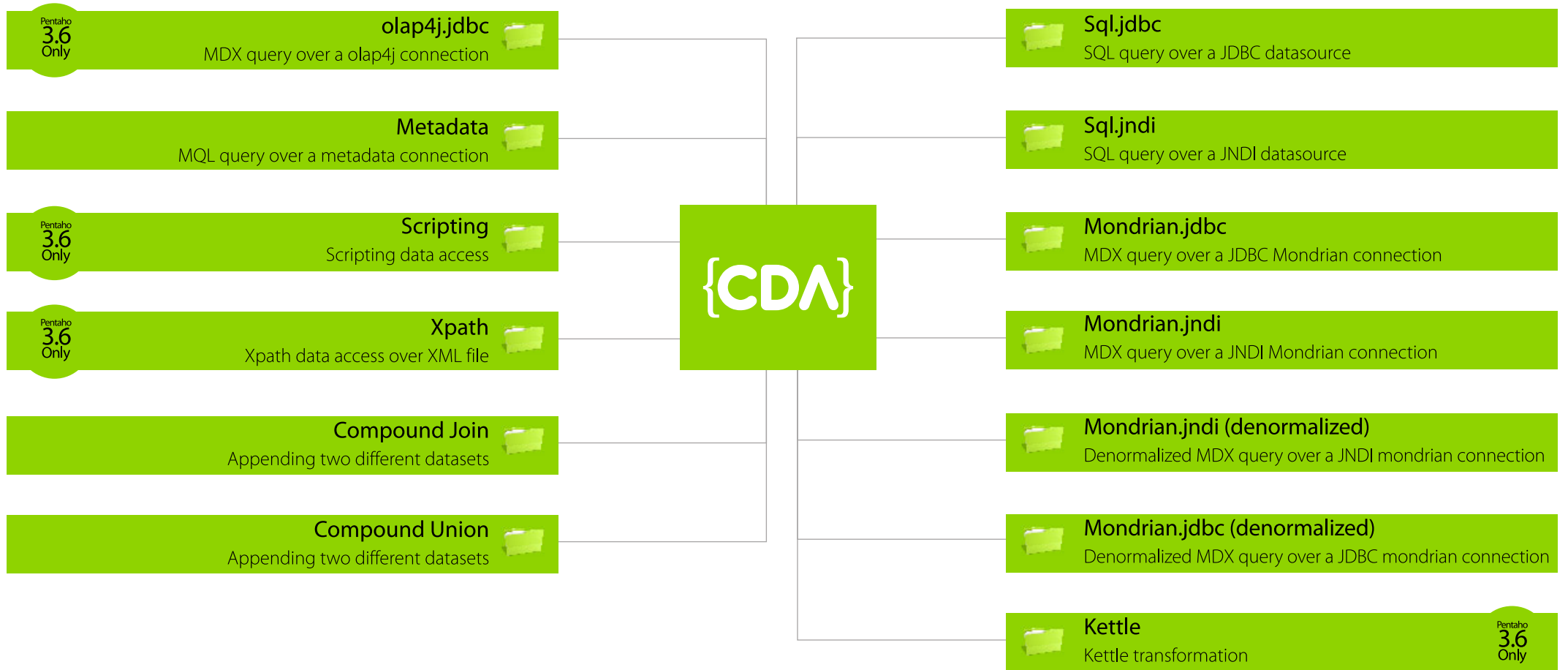


- ▶ **Easily glue queries** from two different datasources without the need to create an ETL job and new tables.
- ▶ **Easier prototyping.** You don't have to change anything "client-side" anymore, all you need is to replace the Data Access.
- ▶ **Cache all types of queries**, providing a great boost in performance on a multi-user/multi access environment. Before, only some datasources had some cache mechanism (eg: mondrian engine).

- ▶ **Need to integrate** Yahoo, Google or any other visualization toolkit that integrates data from JSON?  
Trivial task with CDA, before CDA users had to use funky Xaction files.
- ▶ You can **use SQL queries** in CDF dashboard **without SQL injection issues.**
- ▶ CDA Provides a **common Data Access layer** to the pentaho suite - currently each datasource has it's own access method.



# Supported Data Sources



The screenshot shows the CDA Community Data Access website. It features a green header with the CDA logo and navigation links. The main content area includes a 'Datasource Test' section with a table listing various access methods and their results.

Access method	Description	Sample	Result
sql_jdbc	Sql query over a jdbc datasource	<a href="#">cdafiles/sql_jdbc.cda</a>	✓
sql_jndi	Sql query over a jndi datasource	<a href="#">cdafiles/sql_jndi.cda</a>	✓
mondrian_jdbc	Mds query over a jdbc mondrian connection	<a href="#">cdafiles/mondrian_jdbc.cda</a>	✓
mondrian_jndi	Mds query over a jndi mondrian connection	<a href="#">cdafiles/mondrian_jndi.cda</a>	✓
mondrian_jdbc (denormalized)	Denormalized Mds query over a jdbc mondrian connection	<a href="#">cdafiles/denormalized_mondrian_jdbc.cda</a>	✓
mondrian_jndi (denormalized)	Denormalized Mds query over a jndi mondrian connection	<a href="#">cdafiles/denormalized_mondrian_jndi.cda</a>	✓
clap4_jdbc	Mds query over a clap4 connection	<a href="#">cdafiles/clap4_jdbc.cda</a>	✓
kettle	Kettle transformation	<a href="#">cdafiles/kettle.cda</a>	✓

Test Page

This screenshot shows the 'Preview' view of the CDA web editor. It displays a table with columns for 'Name', 'Type', and 'Action'. The table lists various data sources and their associated actions, such as 'jdbc', 'jndi', and 'mondrian'.

Previewer

This screenshot shows the 'Editor' view of the CDA web editor. It displays an XML code editor with the following content:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <CDADescriptor>
3
4 <!-- Datasource definition.
5
6 Type controls what the datasource type is.
7 The connection and query controls how the data is fetched. These values
8 are specific to each access type.
9
10 -->
11 <!--
12 <DataSource
13 <connection id="1" type="mondrian_jndi"
14 <dbi>com.ibm.db2.jdbc
15 <catalog>./../steel-wheel/analysis/steelwheels.mondrian.xml/Catalog
16 <cube>SteelWheelSales/Cube
17 </connection>
18 </DataSource>
19 <!-- Datasource object controls the query itself
```

Editor

This screenshot shows the 'Sample Dashboard' view of the CDA web editor. It displays a table with columns for 'Dimension', 'Sales', and 'Date'. The table lists various data sources and their associated sales figures.

Sample Dashboard

**{CDA}** Community  
Data  
Access

[Download Installer](#)

**CBF** Community  
Build  
Framework

Available soon

**CDF** Community  
Dashboard  
Framework

Available soon

**CDE** Community  
Dashboard  
Editor

Available soon

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