

# Sven Schatter

Software Developer



lively apps

# Let's Build a Data Integration Framework for Confluence

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# What's Data Integration?

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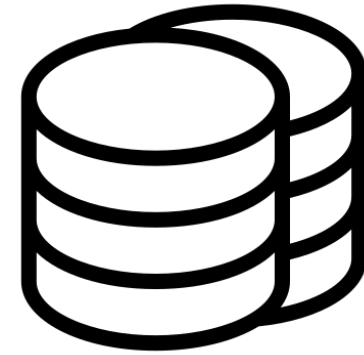
CRM



Time Tracking

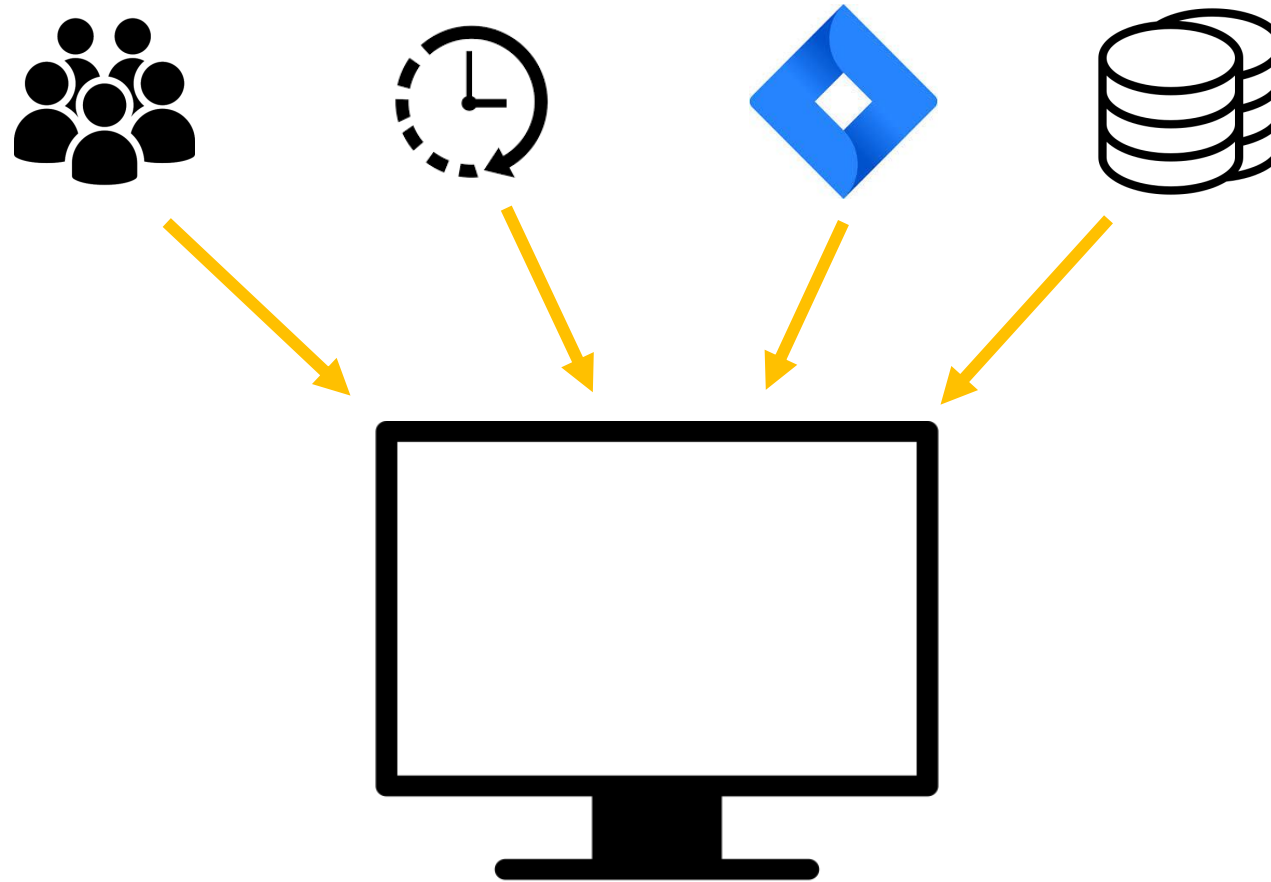


Tickets



Databases

# What's Data Integration?





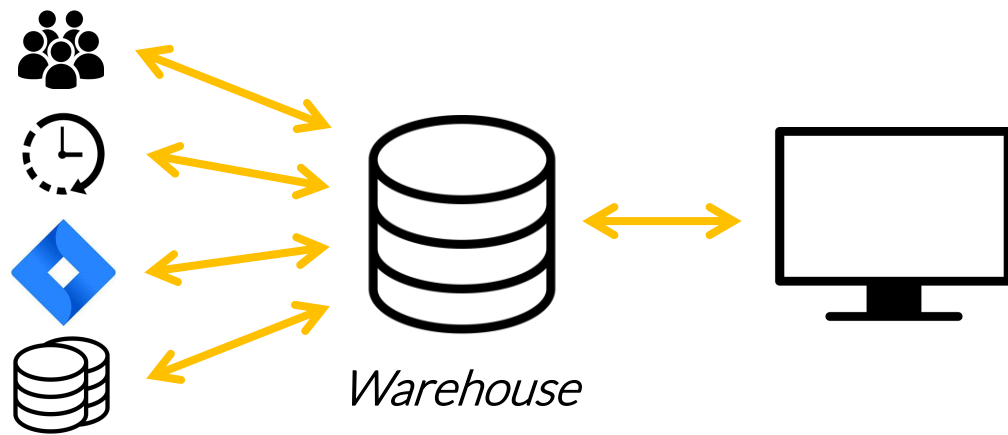
# Data Integration Approaches

“Data Warehousing”

“Data Mediation”

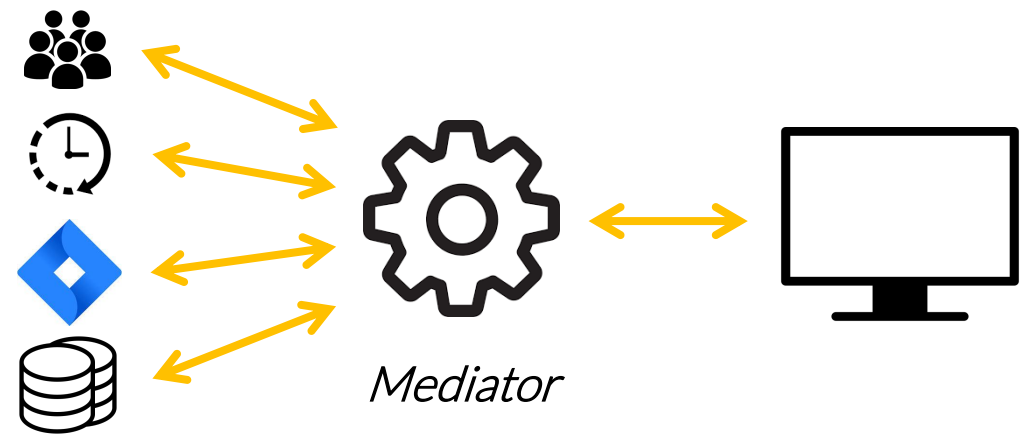


# “Data Warehousing”



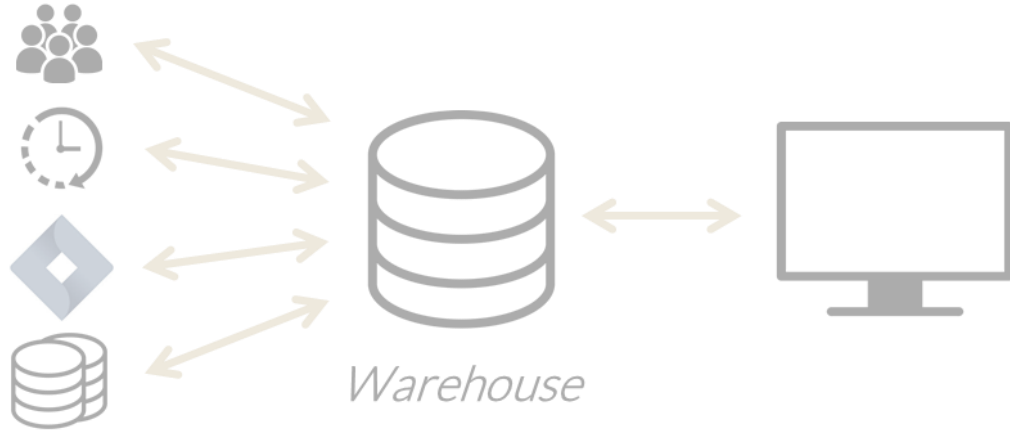
Combine multiple sources  
into a single store

# “Data Mediation”

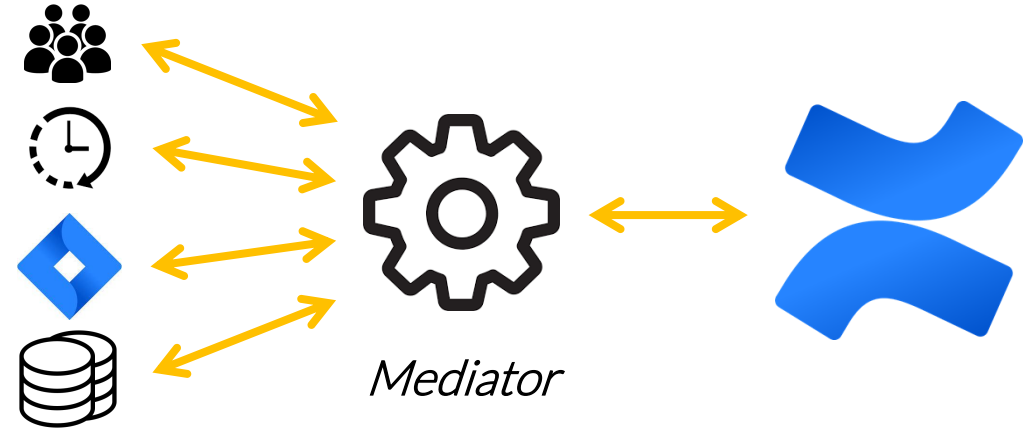


Provide a unified  
real-time interface

# “Data Warehousing”



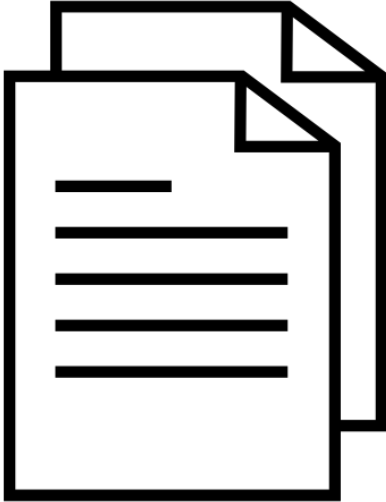
# “Data Mediation”




No data stored in Confluence.  
No maintenance.  
Data always up-to-date.



# Data Mediaton in Confluence



# Data Integration Macro

 Data Integration




“Load *some data* from *somewhere*”



## My customers

ID	Name	Email
142512	John Sixpack	john.sixpack@acme.com
192628	Hanna Brown	hanna.brown@acme.com
127223	Maria Garcia	maria.garcia@acme.com

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# How to use our macro

## WHERE?

Where should data be pulled from

## WHAT?

What data should be pulled

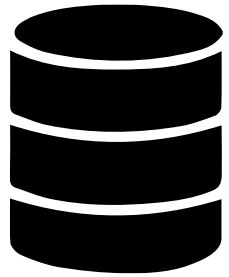
## HOW?

How should the data be presented



# How to use our macro

## Datasource



REST or JDBC  
Authentication

## WHAT?

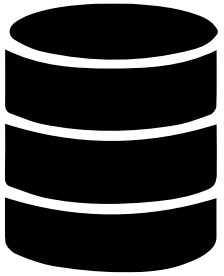
What data  
should be pulled

## HOW?

How should the  
data be presented

# How to use our macro

## Datasource



REST or JDBC  
Authentication

`https://my-jira.com/rest/api`

## Query



SQL (JDBC)  
Endpoint (REST)

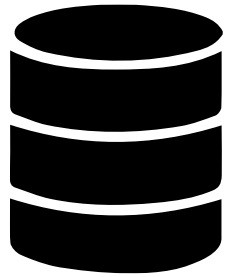
`/issues`

## HOW?

How should the  
data be presented

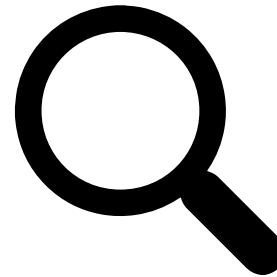
# How to use our macro

## Datasource



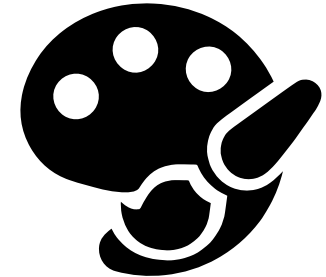
REST or JDBC  
Authentication

## Query



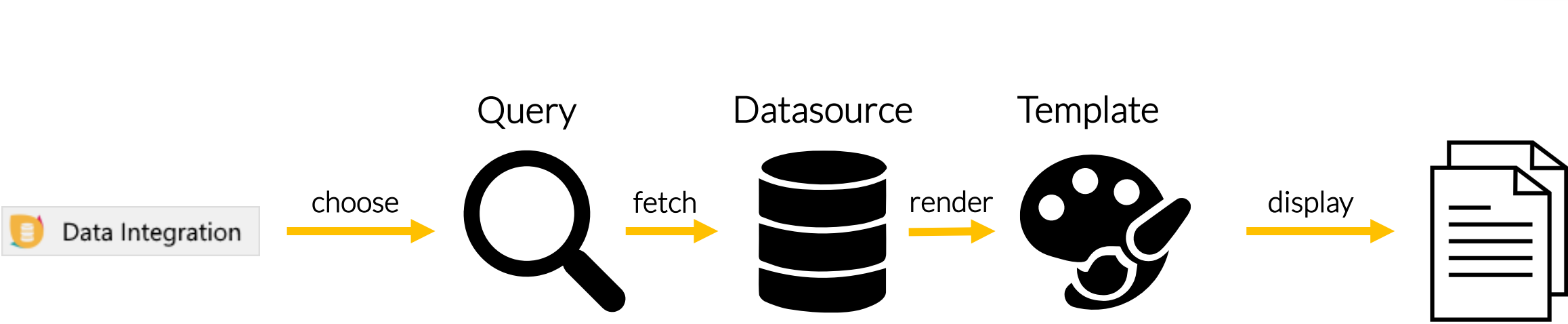
SQL (JDBC)  
Endpoint (REST)

## Template

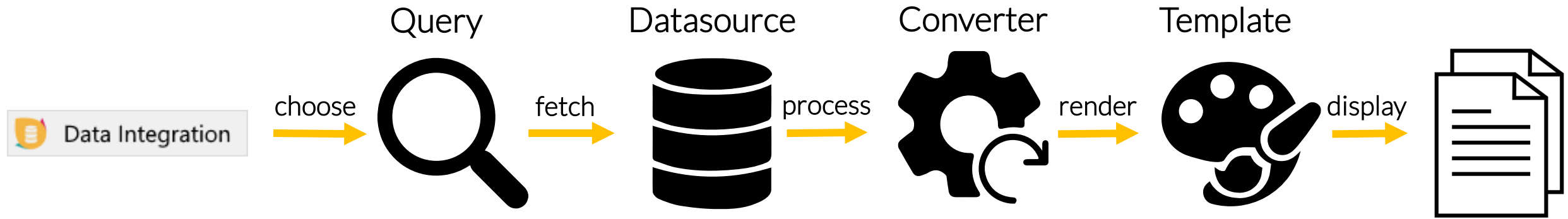


Velocity  
(Table, Chart, ...)

# Data Integration Pipeline



# Data Integration Pipeline



Data from REST APIs might need to be processed



Thank you for listening, and let's  
integrate all the data into Confluence!



PocketQuery



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