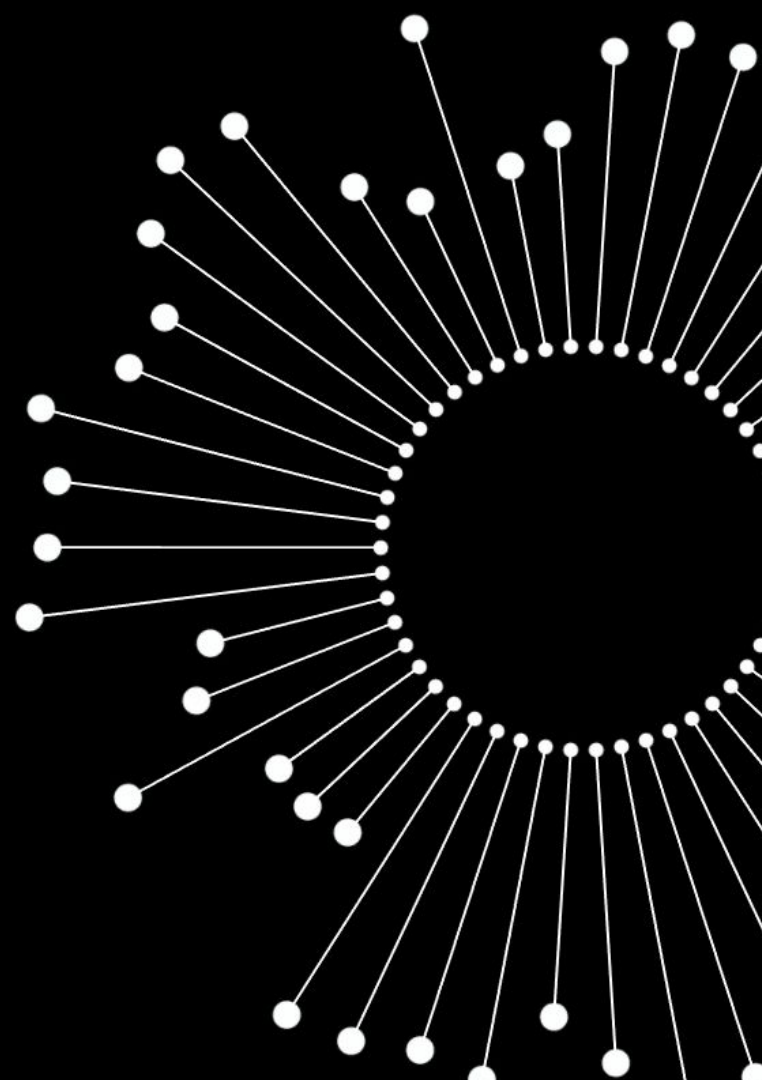


# XES2.0

Process insights delivered.

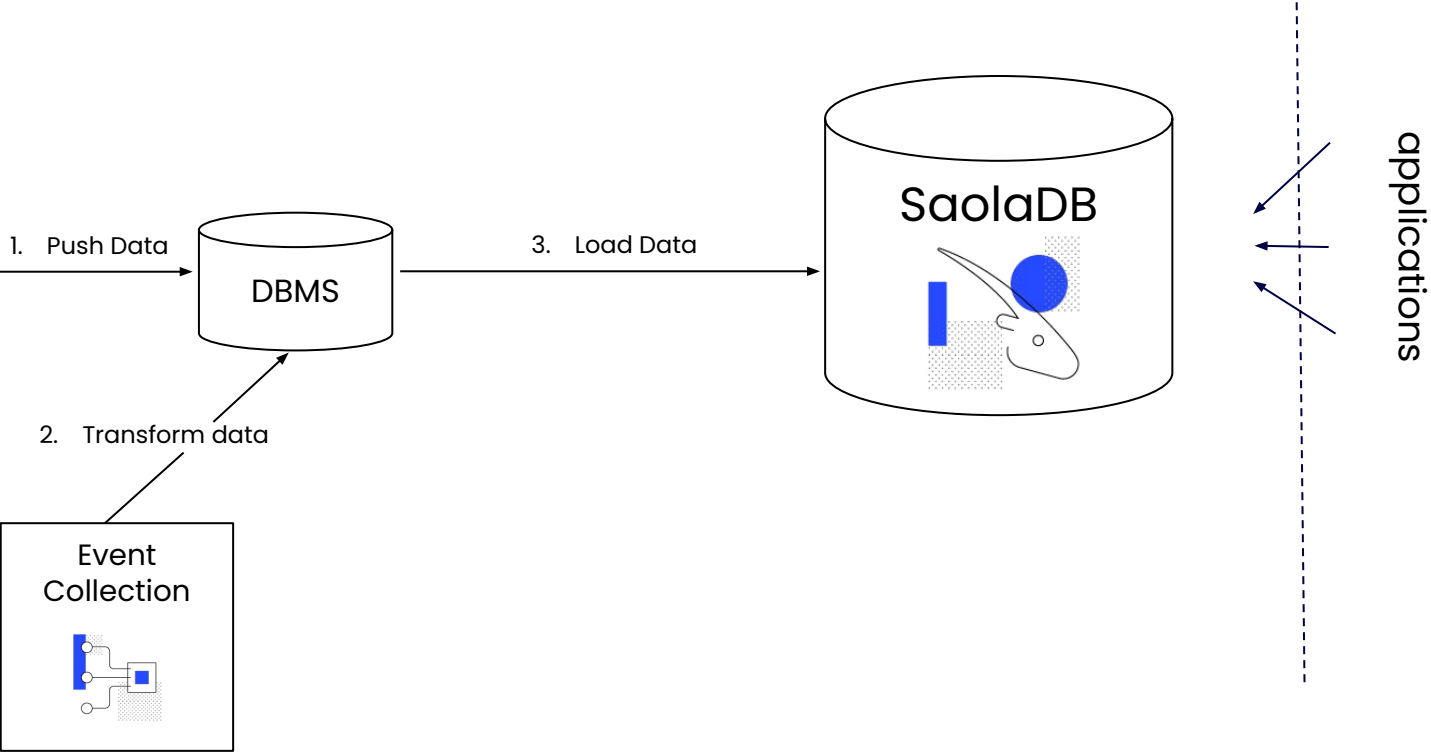
Philipp Hoch, Product Lead, Celonis SE  
02.11.2021



# Celonis | ETL pipeline



⋮

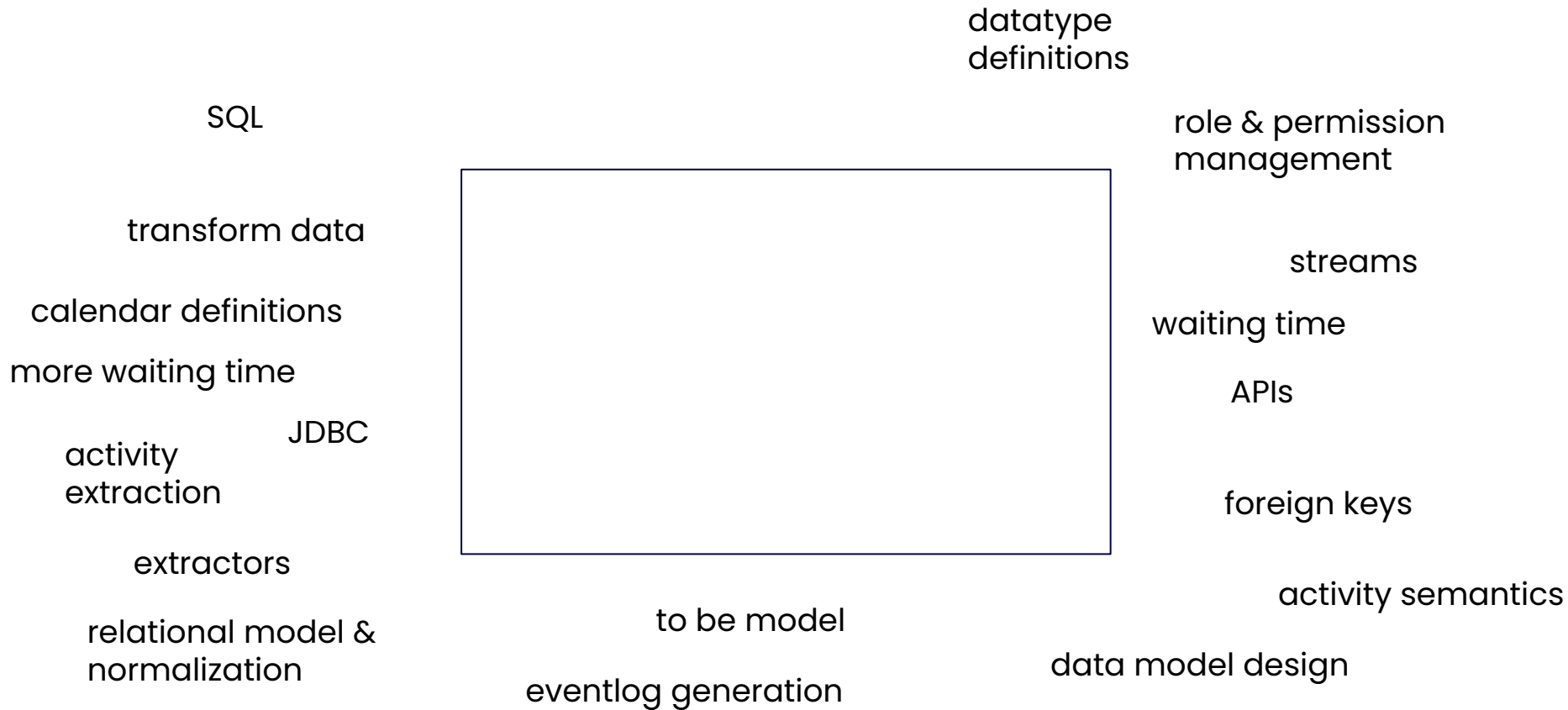


# I want to generate insights



\* disclaimer, sometimes it seems cavemen were smarter than today's society

# I want to generate insights



# I want to generate insights



Empty View

Toggle Edit Mode on to start creating

And if you made it till here.

Congrats!

You have an empty dashboard.

# I want to generate insights



XES document



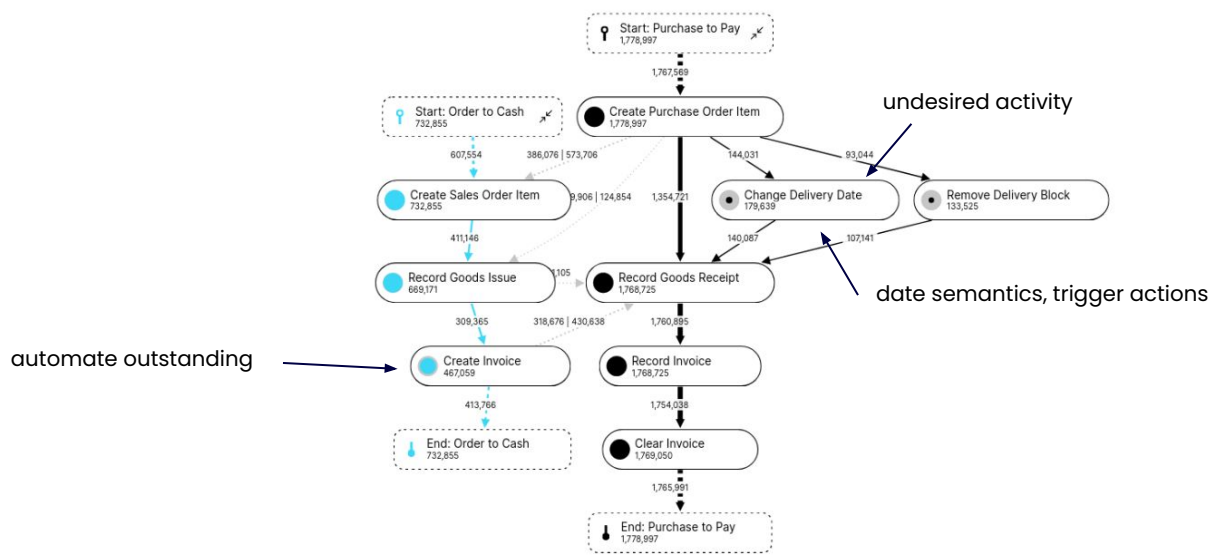
- establish data connection
- extract data
- create data model
- utilize activity semantic
- transfer BPMN model
- connect to existing processes/event logs

# I want to generate insights

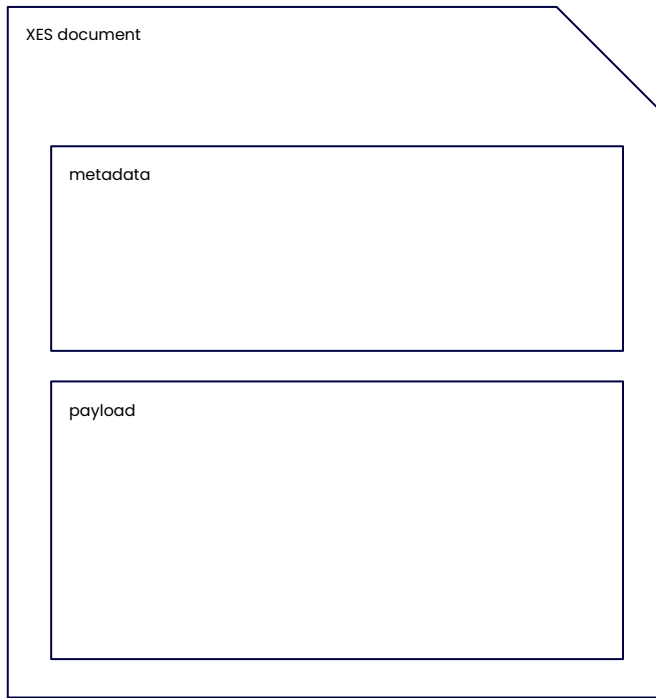


KPIs

Customer OTD	Singapore OTD	SO Items	PO Items	Create POI to Create SOI	Create SOI to Inv
47%	40%	733K	1.78M	1 d	7 d

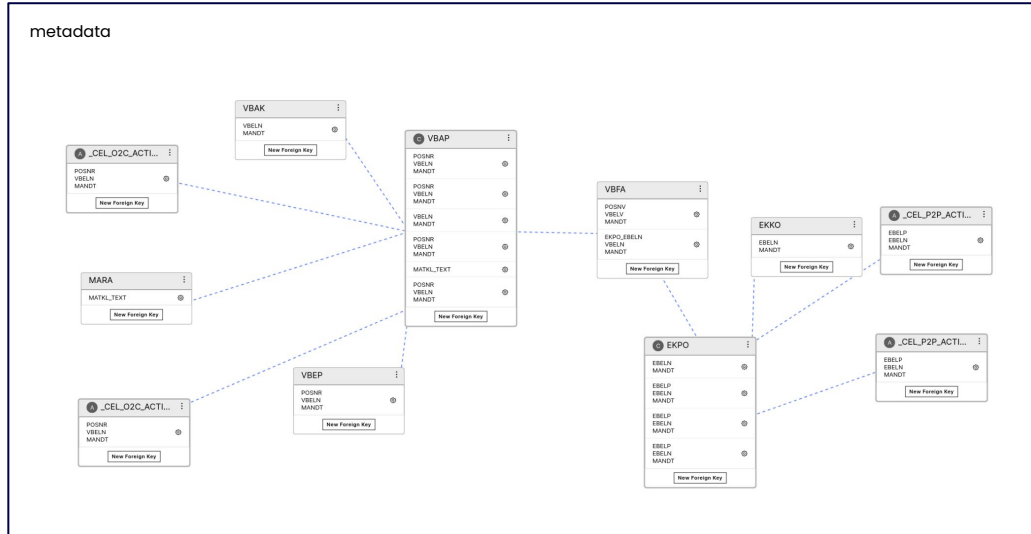


# The document





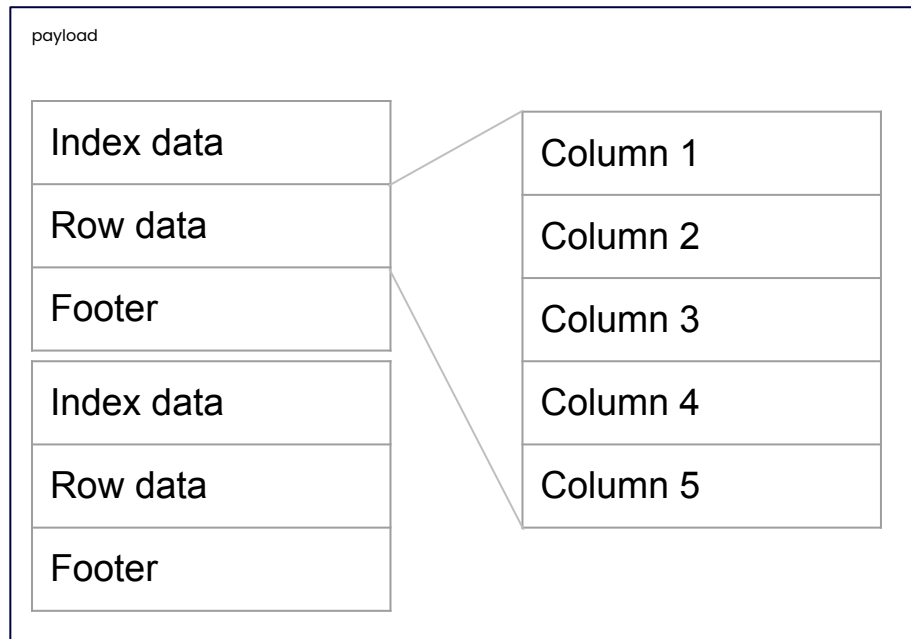
# Metadata



- tables and relationships
- event log definitions
- activity type semantics
- BPMN model
- rules and actions
- multi event log connections
- domain specific elements

⇒ extensibility

# Payload



e.g. ORC, parquet

- column oriented
- data compression
  - dictionary encoding
  - bit packing
  - run length encoding
- predicate push down
- limited IO operations
- self-describing
- built-in index
- built-in aggregates
- industry standard
- built-in encryption
- made for “big data”

# Payload



payload

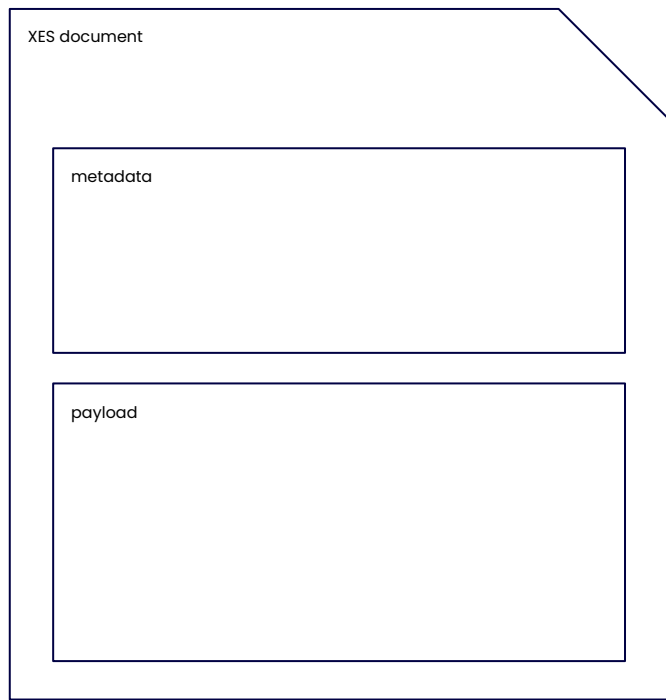
JDBC Driver	oracle.jdbc.OracleDriver
JDBC URL	jdbc:oracle:thin:@32.12.31.76:1521:orclpdb1

exemplary

- APIs
- streams
- databases
- web services

➡ any kind of data sources

# The document



- encryption
- profiles/roles
- confidentiality
- extensibility
- scalability
- speed

The background of the image consists of numerous concentric circles formed by small white dots on a black field. Scattered across these circles are several larger, solid green dots. In the center, the text "Thank you." is displayed in a bold, white, sans-serif font, enclosed within a dark gray rectangular box.

**Thank you.**

## File Size Comparison Across Encoding Methods

Dataset: TPC-DS Scale 500 Dataset

