Open Source Powers the Modern Data Stack
Hello!

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Airbyte
Open Data Integration (ELT)

1,600 users
1,100 Slack members
2,400 GitHub stars
Extract-Load-Transform
A new paradigm for modern data teams
**Extract**
Source-specific routines to pull selected data from an external system.

**Transform**
Business logic specific to your organization to serve an analytics or operational use case.

**Load**
Destination specific routines to push data where it is going to be consumed.
ETL doesn’t work in today’s world

Inflexible
- Friction when changing an existing pipeline.
- Hard to add new data.
- Most issues force data to be re-imported.

Lack of Autonomy
- Warehouses made data consumers more autonomous.
- Changes require engineering involvement.

Complex
- Custom DSL.
- Force adoption of a data stack.
- Address 70% of the needs, 30% still built and maintained in-house.
**Extract**
General-purpose routines to pull selected data from a source.

**Load**
General-purpose routines to push raw data where it is going to be consumed.

**Transform**
Business logic specific to your organization to serve an analytics or operational use case with SQL / dbt / ...
ELT fixes the ETL-related issues

**Flexibility**
- All the data available on the destination.
- Data consumers are free to use what they need for the insights they want.

**Autonomy**
- Data consumers can leverage SQL queries to transform the data the way they want.
- No need to involve the engineering team.

**Future proof**
- Issues during transformation don’t prevent access to the data.
- Easy to update transformation schemas.
2. Airbyte
The starting point of your modern data stack
An open data platform for modern teams
Demo

Available on demo.airbyte.io
3. The open modern stack

Modern teams modernize
Compose your own stack

Extract & Load
- AIRBYTE
- Fivetran

Orchestration
- Apache Airflow
- DAGSTER
- PREFECT

Quality
- great_expectations
- Deequ

Observability
- MONTE CARLO
- Bigeye

Transformation
- dbt
- SQL

BI / Visualization
- Superset
- Looker

Data warehouse
- snowflake
- Amazon Redshift
- Tableau

Infrastructure
- docker
- Azure
Thanks!

Any questions?

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THANK YOU!

PERcona
LIVE ONLINE
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