



5 Recipes to Scale your Airflow Data Pipelines

Vicente RIVES and Qiang MENG
Oct. 2021



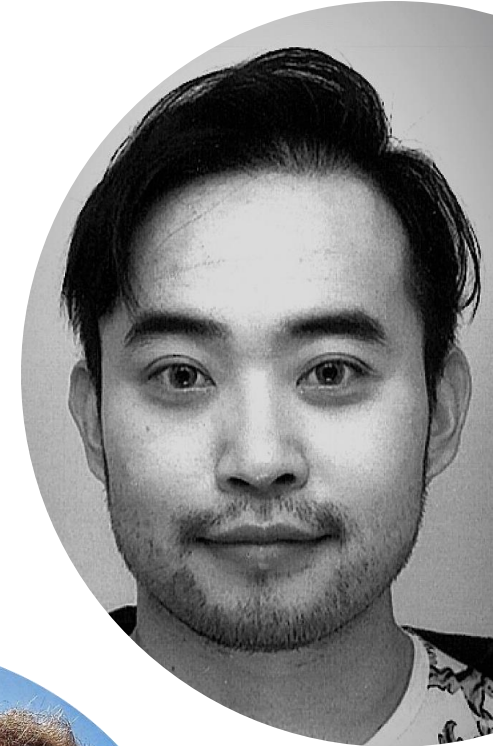


Levi's has 168 years of data, and the company considers itself one of San Francisco's original startups. Rich history and data set can inform what products will thrive in the future.

Dr. Katia Walsh, Chief Global Strategy and AI Officer, Levi Strauss & Co.

Qiang MENG

- **Levi Strauss & Co., London**
- Databricks - AWS - GCP - Airflow - Spark - Dataiku



Vicente RIVES

- **Levi Strauss & Co., Barcelona**
- Databricks - AWS - GCP - Airflow - Spark - Dataiku



Data Life at Levi's

- Agile environment
- State-of-the-art tools and always open to add new ones
- Never losing our start-up culture and mindset

Hackathon

- 30+ teams involved
- 150+ people from different departments and backgrounds
- Chance to add ideas to actual Levi Strauss & Co. Roadmap

Agenda

I. Challenges

- How to make the most out of Apache Airflow

II. Our Solution

- 5 recipes for a powerful scale-up

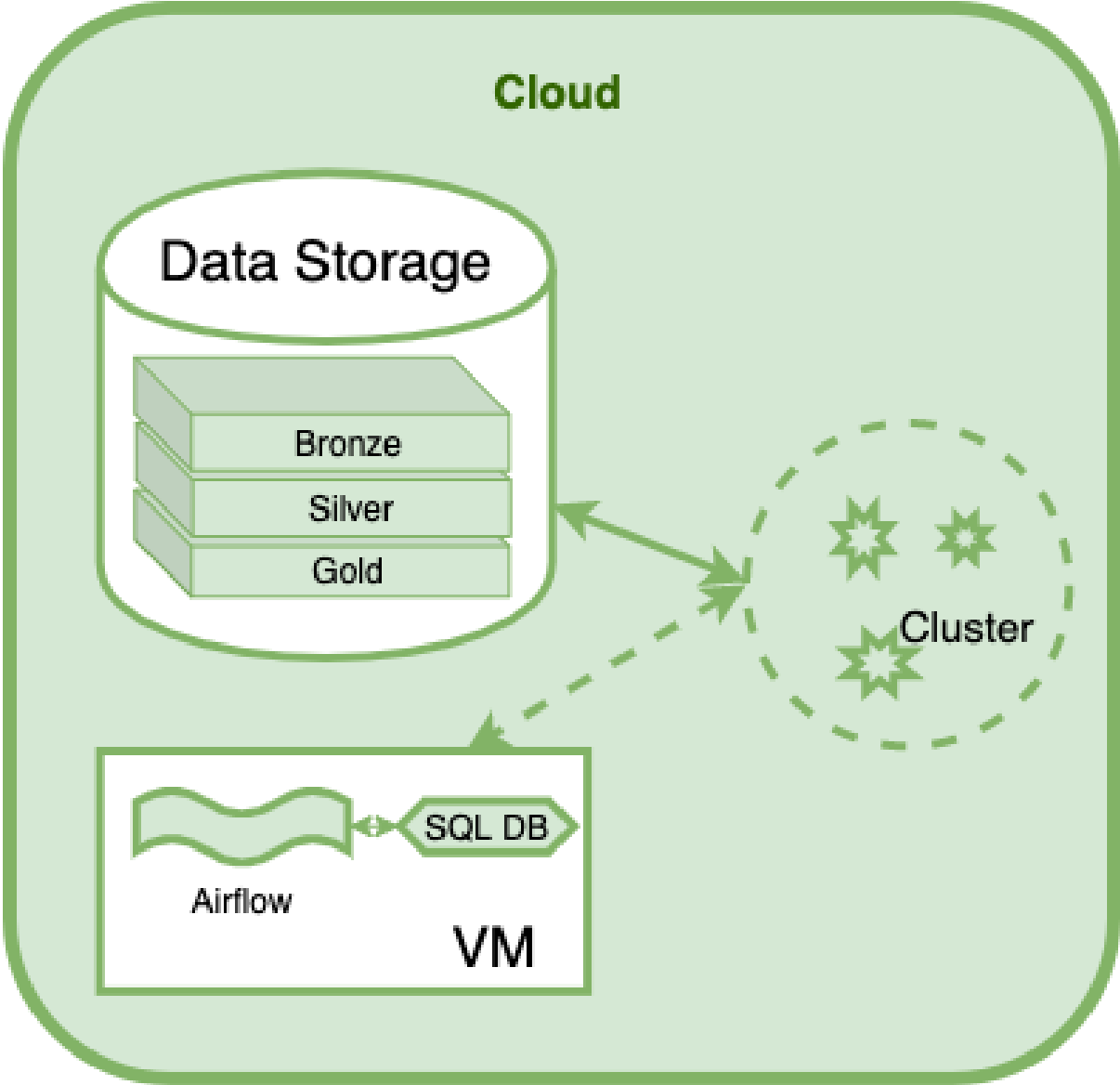
III. Conclusions

I. Challenges

- Orchestration architecture on diverse cloud platforms
- Accelerate your engineering and machine learning workload at scale
- Decouple codebase for professional testing and maintenance

Recipe I Orchestrate Architecture

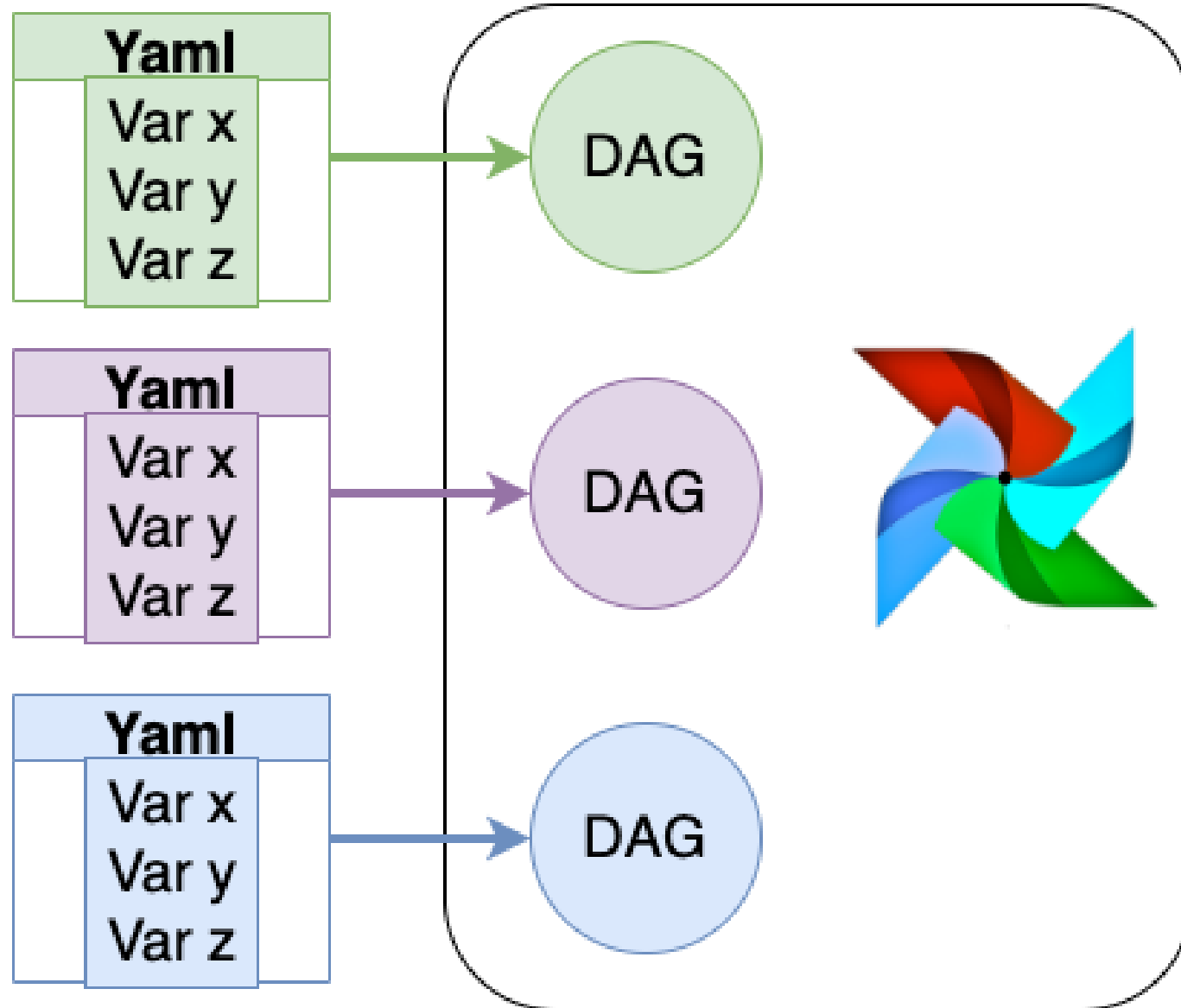
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your Airflow Data
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Recipe II

Auto Build Airflow DAG

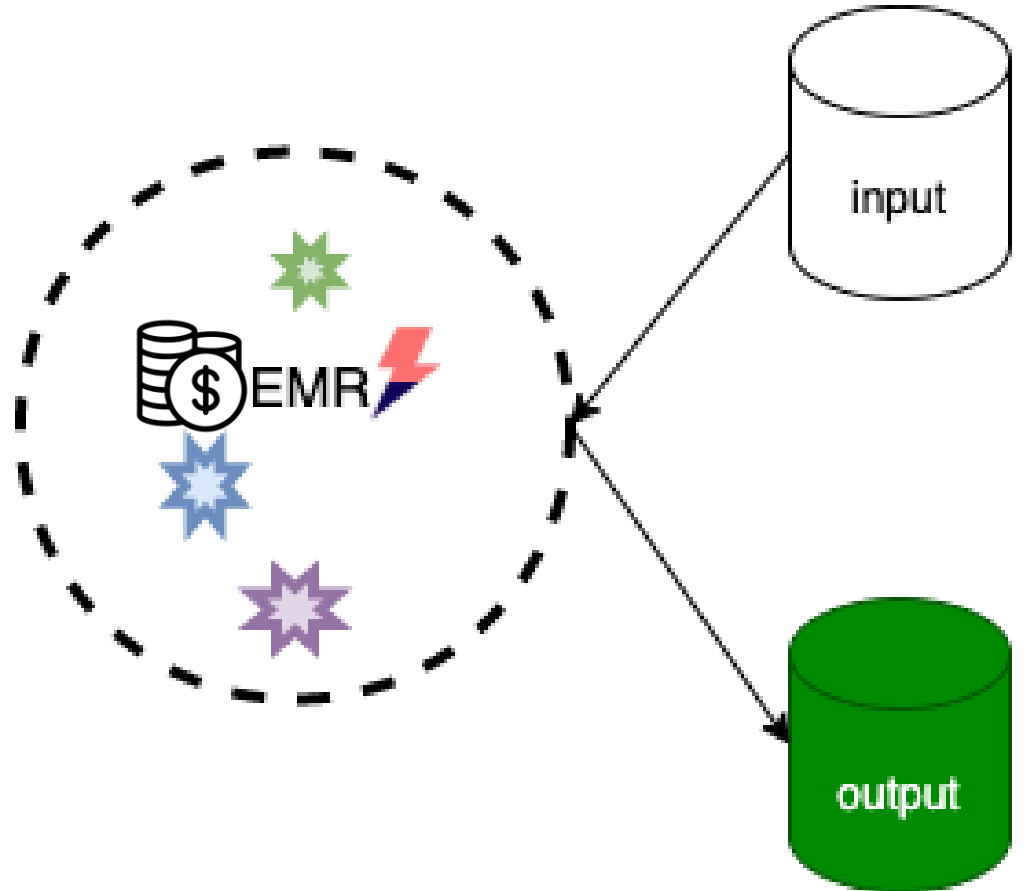
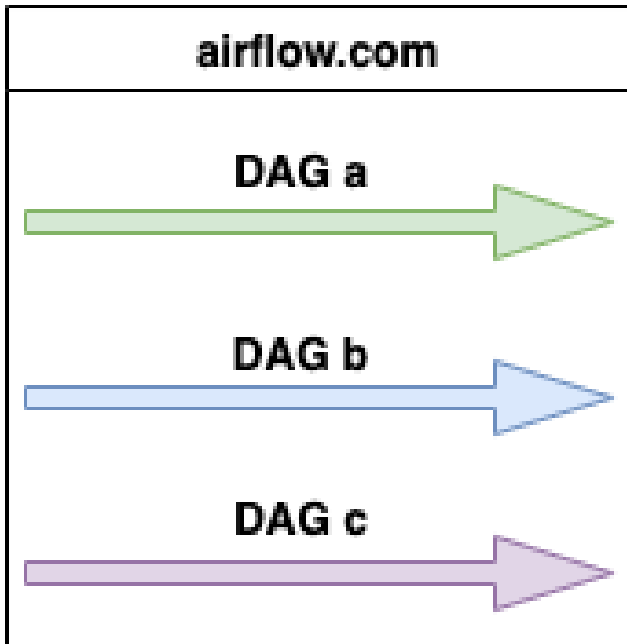
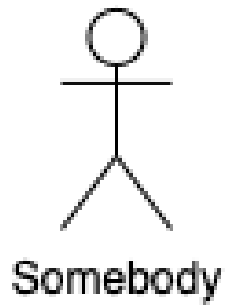
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Recipe III

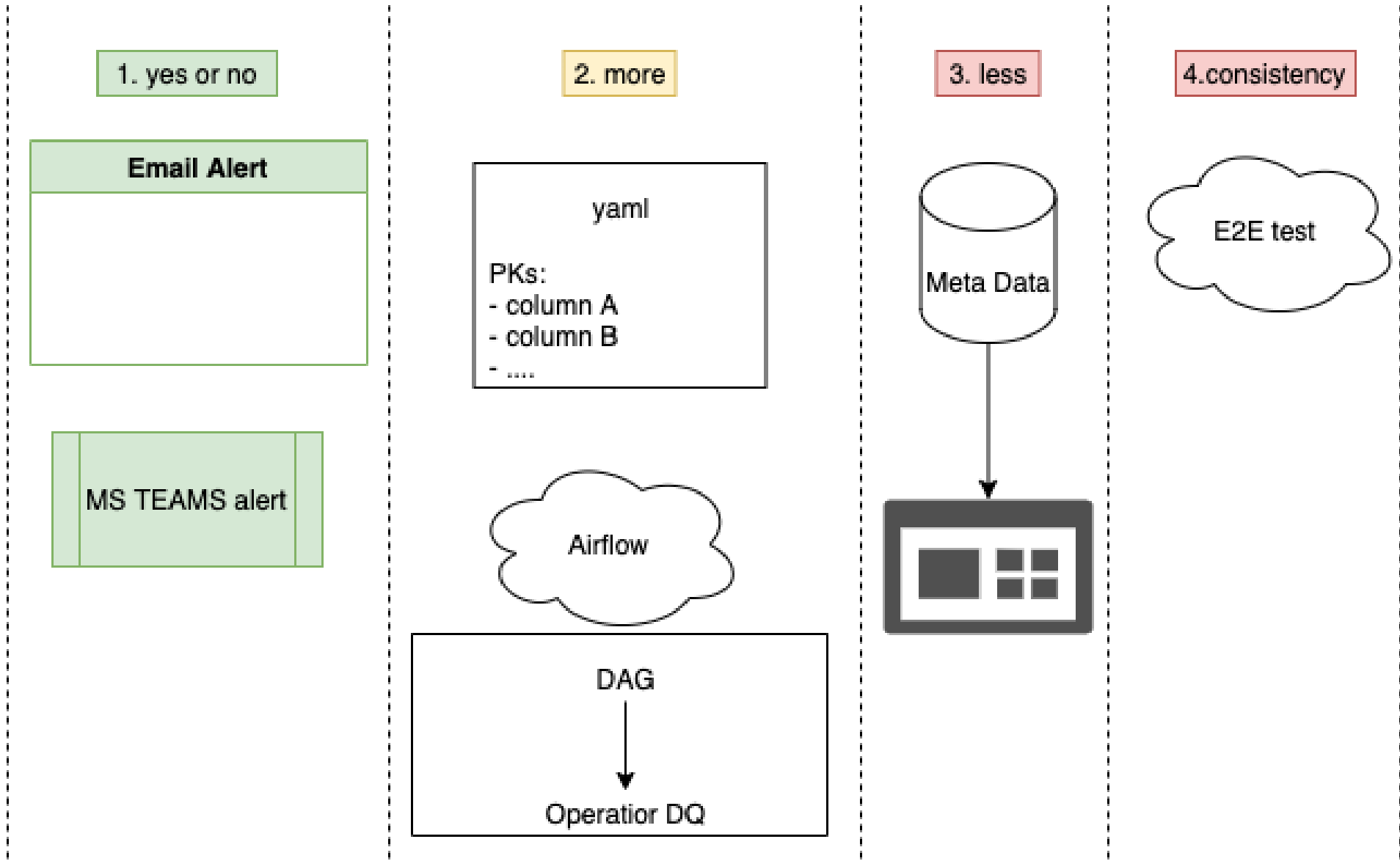
Auto Cost Evaluation

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Recipe IV Data Quality

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Recipe V

Latest versions

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READY FOR THE NEXT 168 YEARS



I Have Seen

THANK YOU

The Future

Questions?