

Terrors from the data integration deep

Move data from source to destination

Copying data is easy!

Build visualizations, dashboards and reports

This shouldn't be a problem for our analysts.

Data modeling

You all know SQL, right?

Reverse engineering the data model

Wait, the app does what, exactly?

Schema drift handling

I can't believe the pipeline broke because the app added a new field.

Automation

I thought this was supposed to run on a schedule. What happened?

Transformations

You need a new data model? Get back to me next quarter.

Incremental updates

Change data capture isn't as easy as it looks.

Idempotence

Why do we have so many duplicate records?

Parallelization

This data ingestion took an entire week!

Pipelining and buffering

Why do I have to wait a day to see something populate?

Scaling and extensibility

We keep hiring engineers, yet things don't seem to get better.

Security and PID management

This is bad... we're \$4M in the hole because our pipeline leaked.

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