

# Data in a Minute

Where data management concepts are explained in under a minute



## Data Loading

## What is Data loading?

Data loading, within the framework of a migration or integration, can be defined as the ingestion of clean, compatible and sequentially correct data into an application

There are three big considerations to take into account during a data load (as part of any migration project) -

- Data quality
- Cutover strategy
- Loading delta

Cleanliness can make or break a data load. Clean data is absolutely essential to avoid a migration from turning into a primitive 'lift & shift' effort.

Cutovers can last weeks, if not months, during large scale migrations. When everyone's itching to meet deadlines, make sure corners are not cut.

And lastly, when does one migrate the delta (new transactions created during downtime), into production? And is there an easy way?



# Data Loading

## Data Loading with dataZap

### Cleanliness -

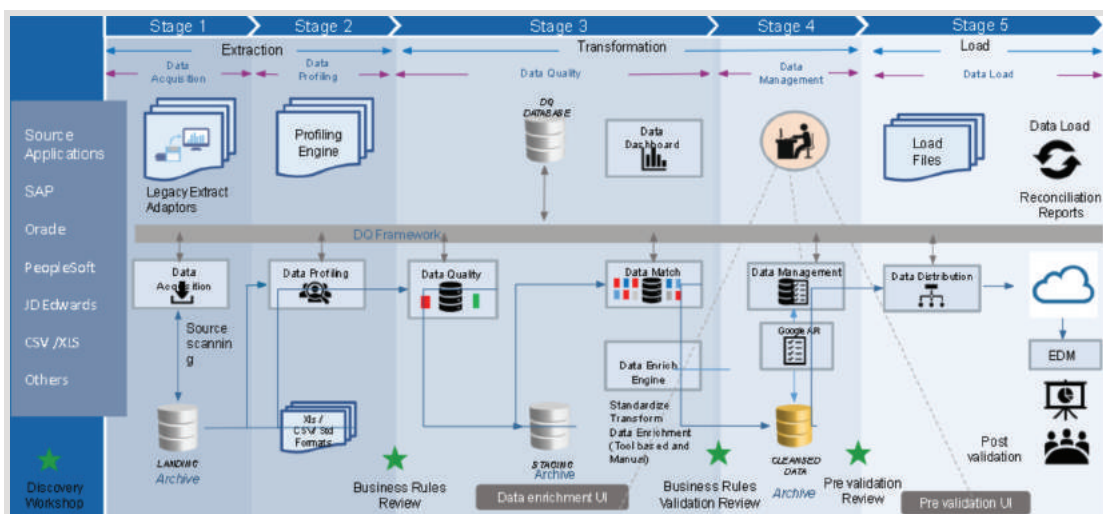
dataZap's pre-validation engine ensures that data is clean prior to load. Other commonly used quality functions in dataZap include standardization, consolidation, enrichment & harmonization. These features combine to give you a 90%+ quality standard on data.

### Cutovers & Covering data gaps -

dataZap's cutovers have historically been between 6 and 24 hours. The reason? A robust Change Data Capture (CDC) engine. Using this, the source redo log files can be monitored at a scheduled time frequency and the changes can be moved into the CDC tables. From there, the data can be moved into the target application.

The CDC has the ability to identify the delta between source & target (based on specific time stamps), and migrate the incremental changes into target to cover any data gaps in production.

A high level view of dataZap's loading process (stages 3,4 & 5) is shown below:



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