

Scaling Analytics for the Thousands

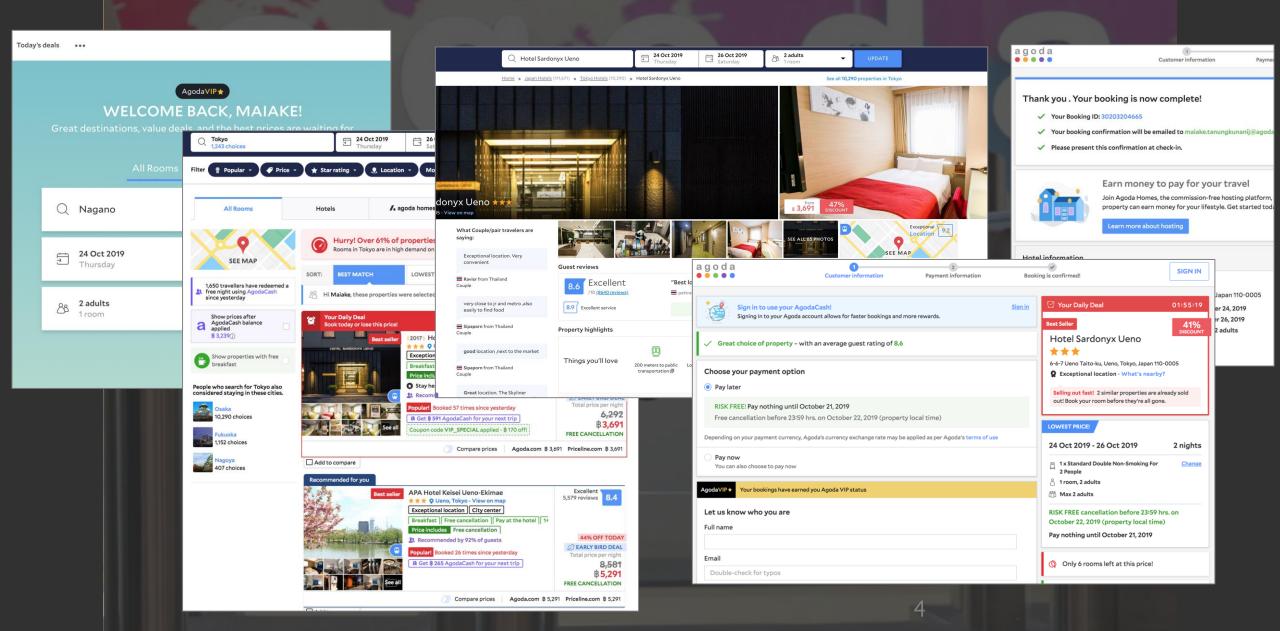
Kajohnsak Thiawsawang

Senior Business Intelligence Manager Agoda



Agoda is one of the world's largest online hotel and accommodation booking platforms. Founded in 2005 and now part of Booking Holdings, Agoda offers travelers a fast, easy way to book hundreds of thousands of properties in almost every country on earth.

But in fact, agoda sells on just 5 web pages!



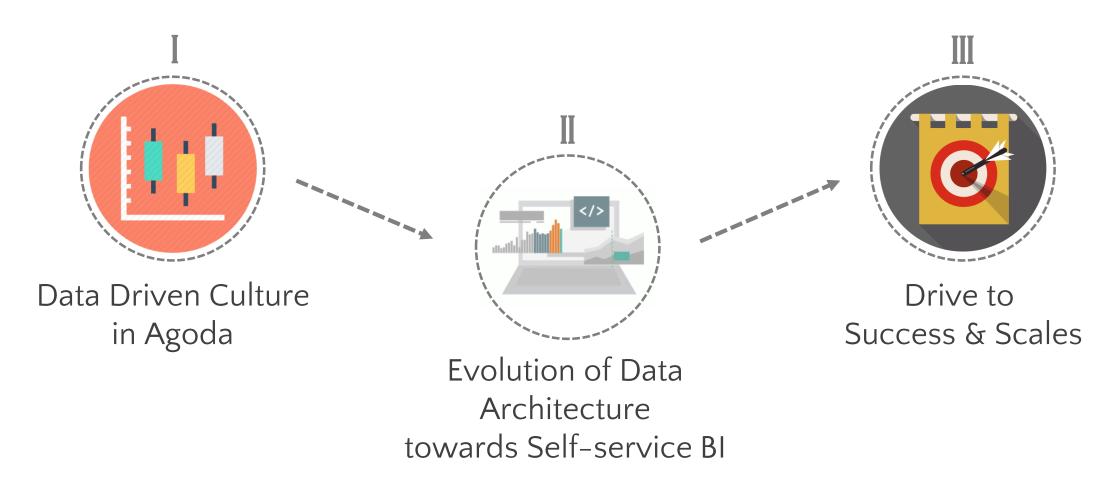
Limitless possibilities to provide the best prices to the customers



5 pages + others areas

Let the data do the telling (data driven)

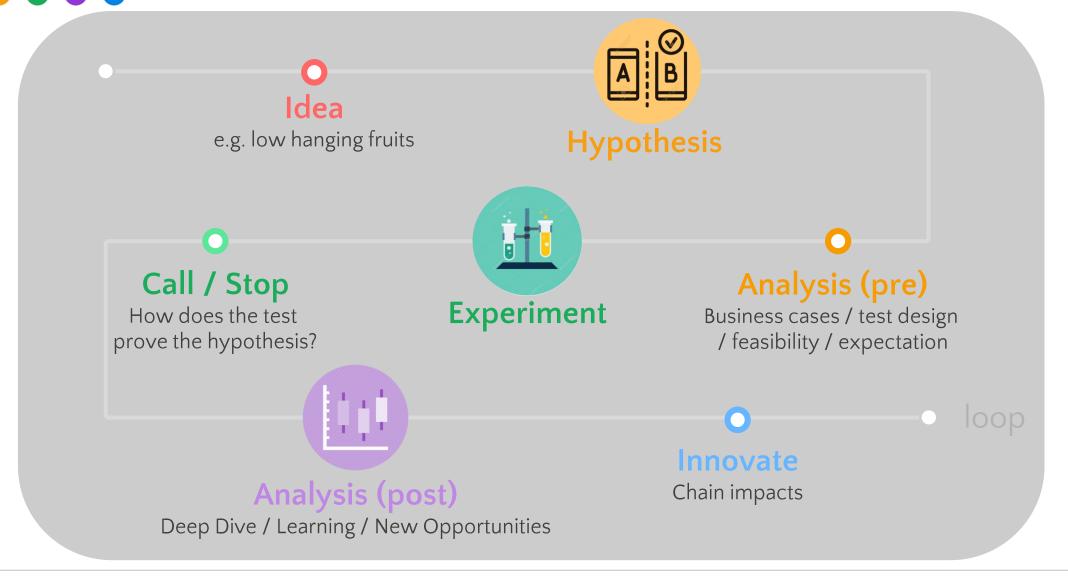
Agenda







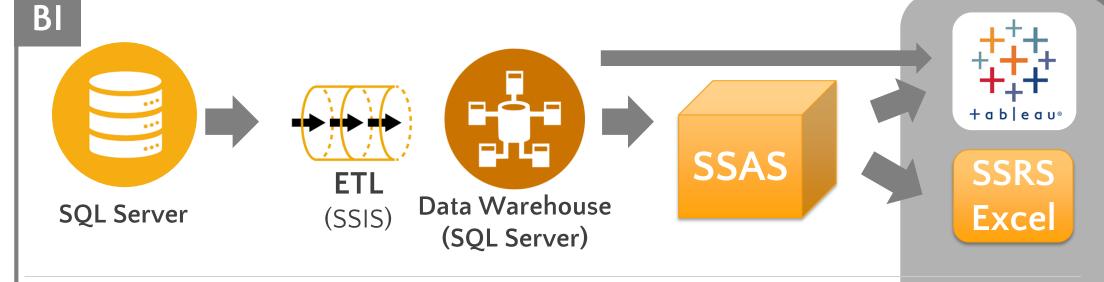
Data driven through "experimentation"



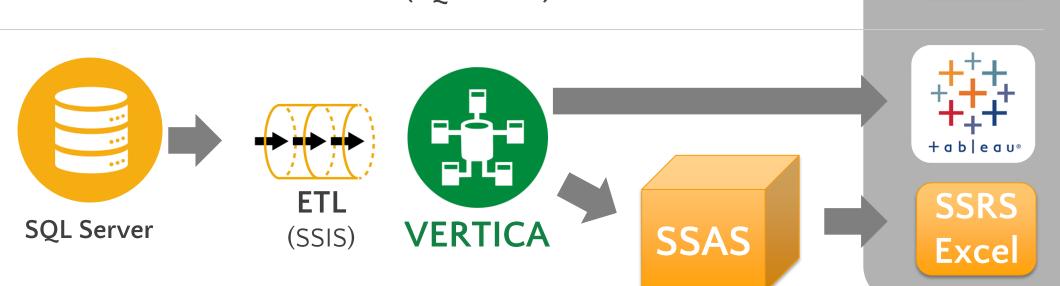
Evolution of Data Architecture

Users consume

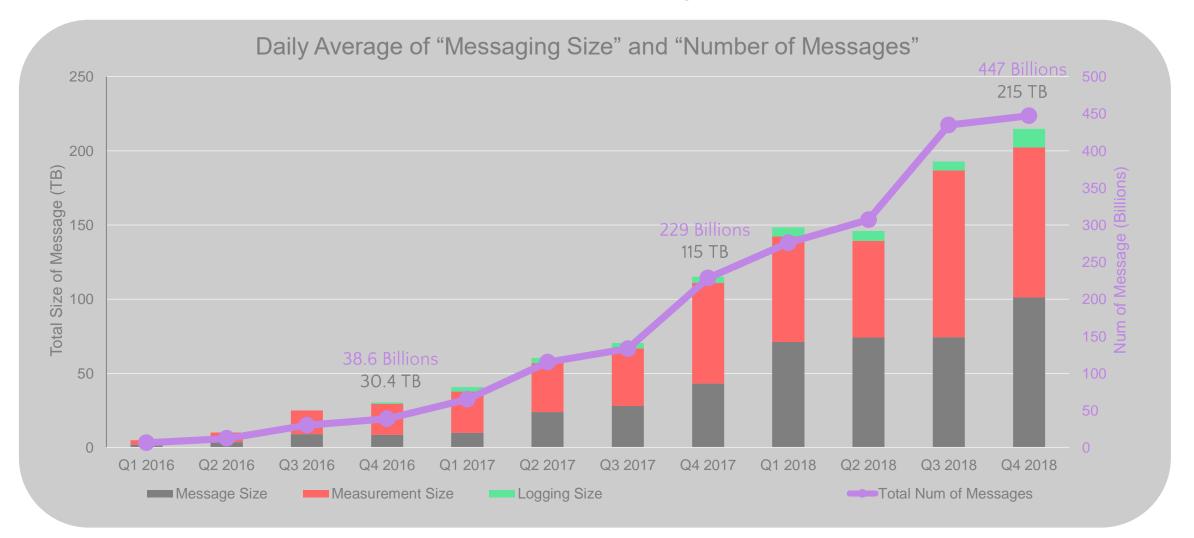








By 2019, Agoda Messaging size has YoY growth of +87% and number of messages of +95%



Issues from the fast growing scale

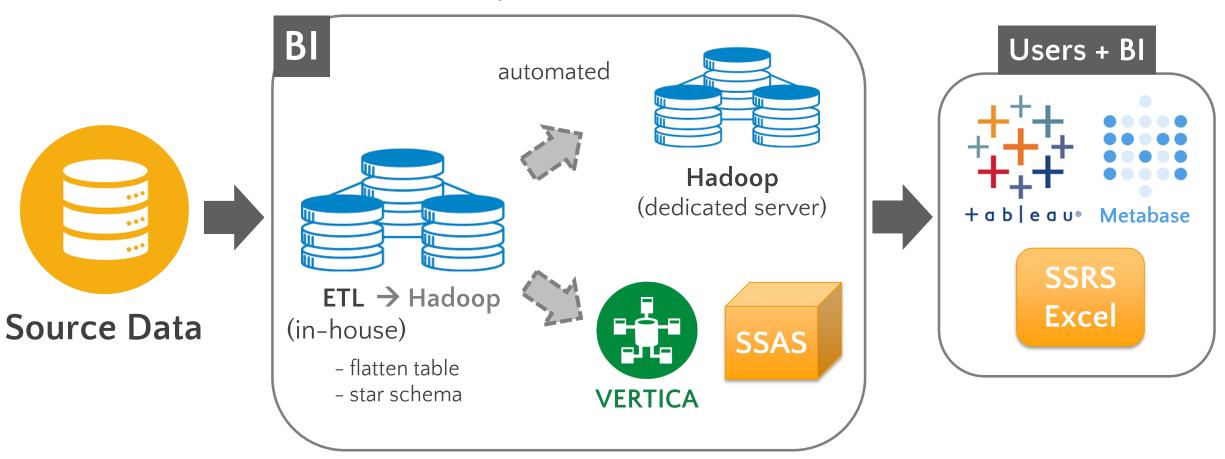
- 1. Time-to-Market increased to 1 month+
- 2. Performance Issues almost every day
- 3. Processing Delayed more frequently => uptime dropped

Reform the data architecture and pipeline



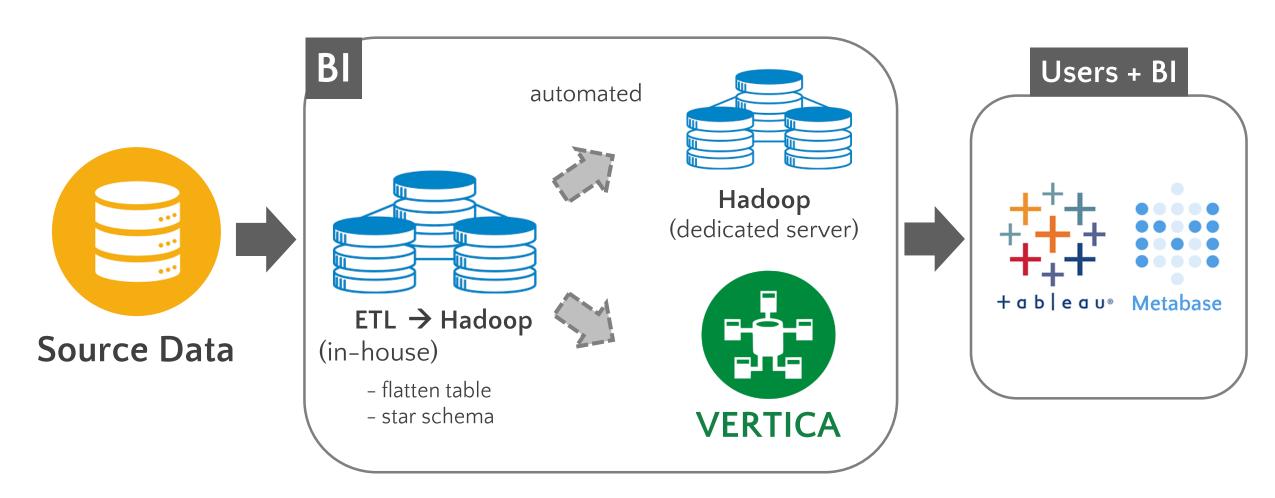
Evolution of Data Architecture Gen3

-2 years to now



Evolution of Data Architecture

Next..



DataMarket – data on your palm



- Weekly Average of 30 users
- opening ~50 reports
- still growing



- Vertica / Hadoop
- Tableau / Metabase / Grafana
- Recently used reports

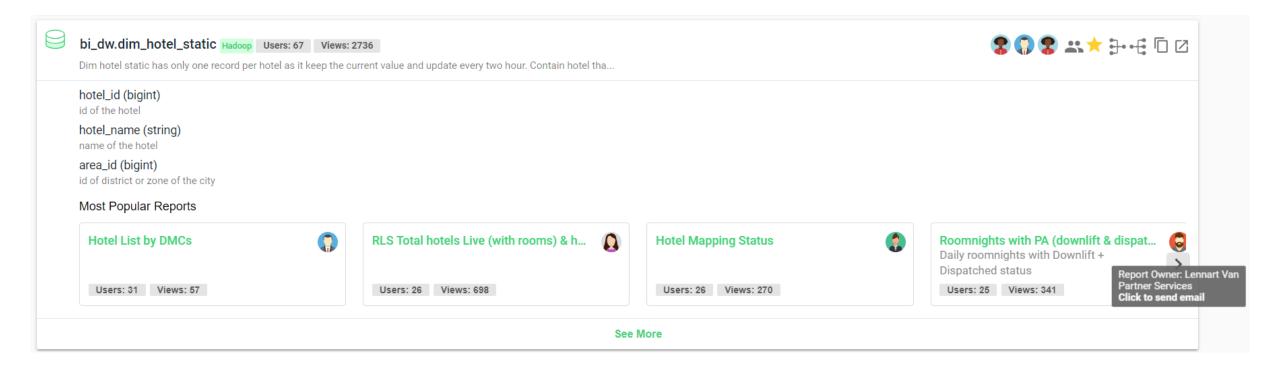
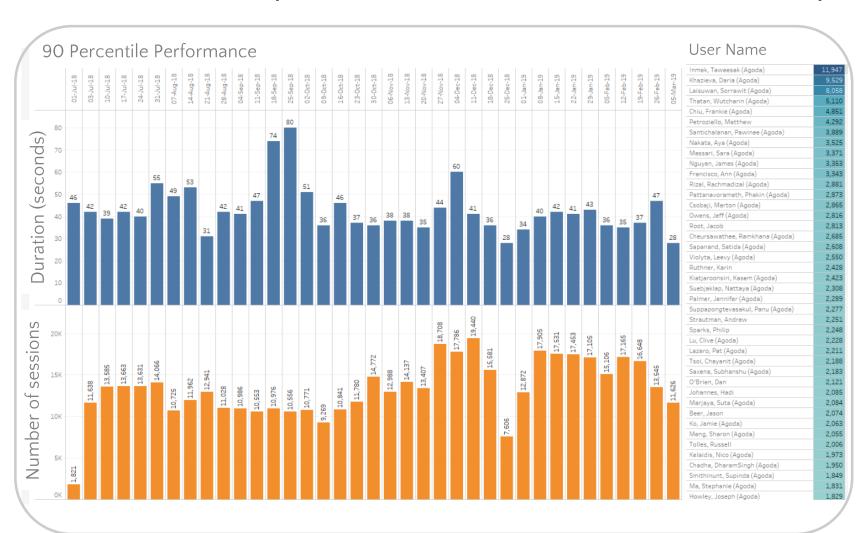




Tableau Performance Monitoring

Tune bad performance dashboards and keep the server at its best



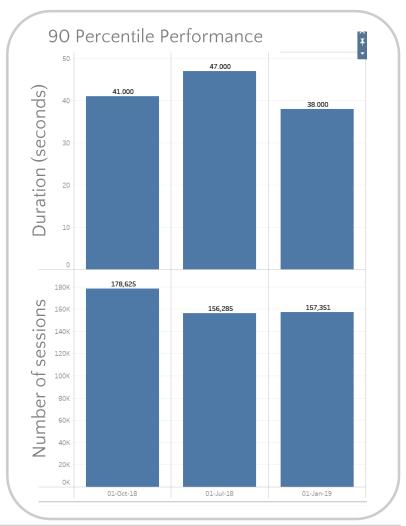
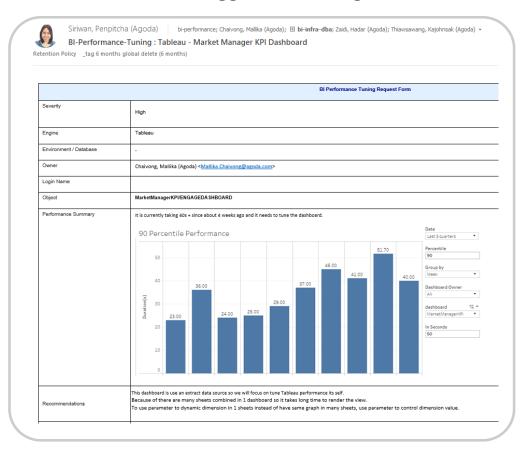


Tableau Performance Monitoring

Contact the owner to call for immediate action

Bad performance dashboard?

✓ Email to suggest the tuning solution



Failed tableau extraction?

✓ Immediately send alert email to the owner

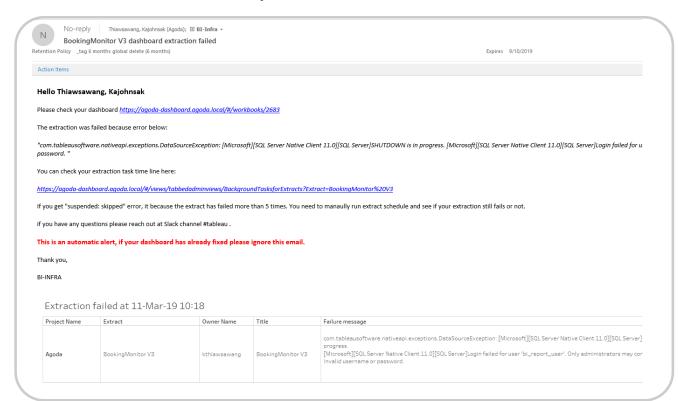




Tableau #creators is still growing in 2019 Q2 (21%)

Tableau is excellent for a hybrid Business-IT department like Marketing



Metabase is now super famous among business users (205 users)

Especially in business department like PS (BD), many users requesting for more training



Key Takeaways towards self-service BI

- 1. Reliable, fresh and correct
- 2. Ease of access to data, easy to use
- 3. Good performance

Thank You

