



DIY Analytics

How disruptive business intelligence is ending
the reign of excel

November 12, 2015



Who are we?



We are a Brisbane based niche Business Intelligence and Dashboarding Company



Cloud focussed, simplistic and rapid approach to analytics



We are not IT people, rather Accountants, Engineers and Maths professionals that use IT to achieve an objective.



Do things differently. Deliver using Agile approach and with a focus on the answer, not the IT

**Our mission is to
disrupt the status-quo
and drive dramatic
improvement across
Reporting and BI
technologies**



We've heard it all before



The need

All organisations strive for **better information** and decision support systems.

This is even more important as processes and systems **transition** into **digital platforms**

The context

Digital transformation and standard IT lifecycles often create **disparate and diverse software** and data sources across the organisation.

For example your asset data is in one system and procurement in another.

The challenge

The resulting reporting landscape requires the decision maker to **extract data** from disparate systems and **merge** it together (often **manually** in excel) just to review standard business information.

The solution

Guerilla Analytics

Things have moved on.

There are plenty of tools that allow users (think “analysts”) with limited IT experience to connect to disparate systems and build “self-service” analytics.

In a matter of days.

Lets run through an example



Guerilla or Agile analytics example

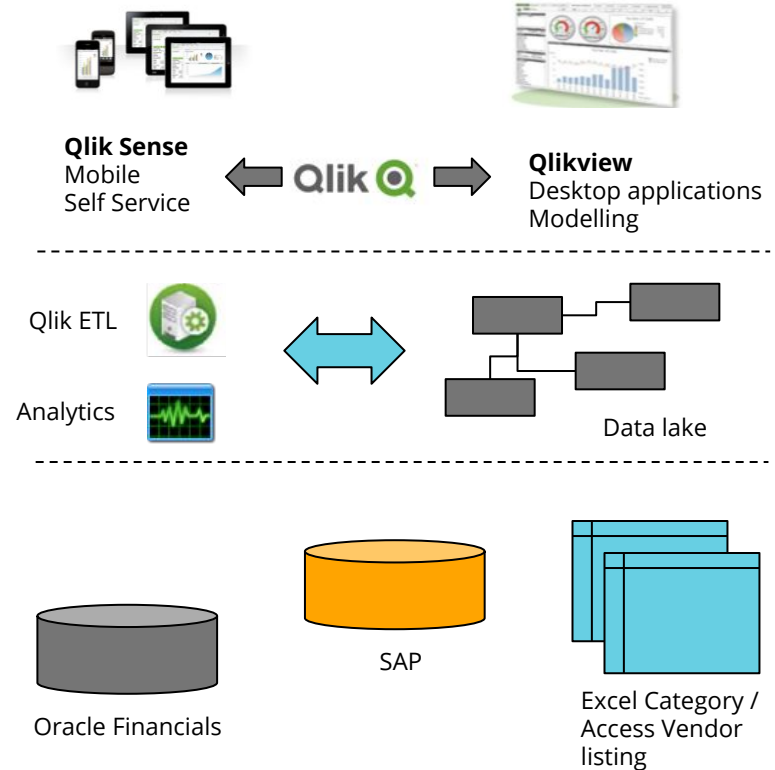


An Australian Airline

This organisation required better visibility of their procurement spend with the objective of:

- Identifying out of contract spend
- Improving purchasing practices
- Achieving better value for money

The challenges faced included, multiple disparate systems, no existing reporting tool and time/cost constraint (to be completed in less than 2 months and under \$100k)



yeh, yeh, yeh too hard...



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Software not approved



Procurement and/or IT will get in the way

I can only get data access via pre-canned reports



Common stumbling blocks



Years of investment in an Excel model



Cloud isn't approved

I'm not technical and wouldn't know where to start



Some tips

Beating the process



- Someone else may have already done the hard yards:
 - Qld Health + HHS's
 - Queensland Audit Office
 - Dept Education
- Free versions are a good place to start...
 - Qlik, Tableau, Spotfire
- Cloud is a scary word, you can start local
- Create a need... create a dashboard
- Start with a data extract report before asking for direct access to the database

Implementation

What does it look like?

Another key challenge is that the perception around extensive effort for implementation.

In actual fact, a typical fully functional, automatic refreshing BI implementation:

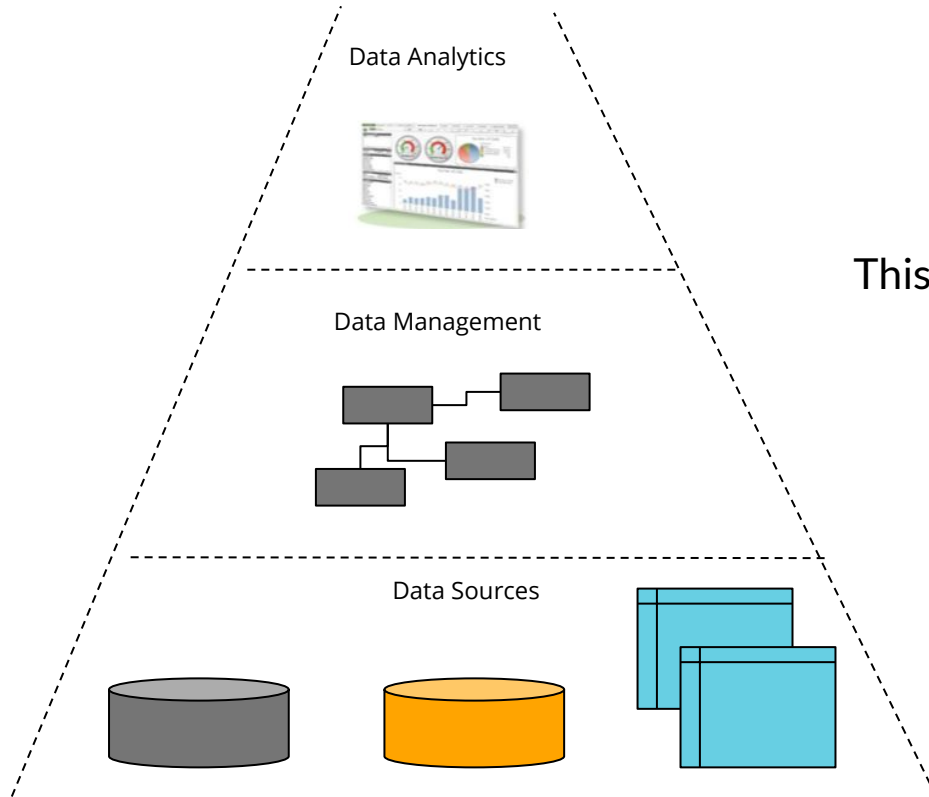
- Takes around 2 months
 - Costs around \$50k
 - And require a resource or two on the client side to learn, learn, learn...
-

The 101 of BI in government



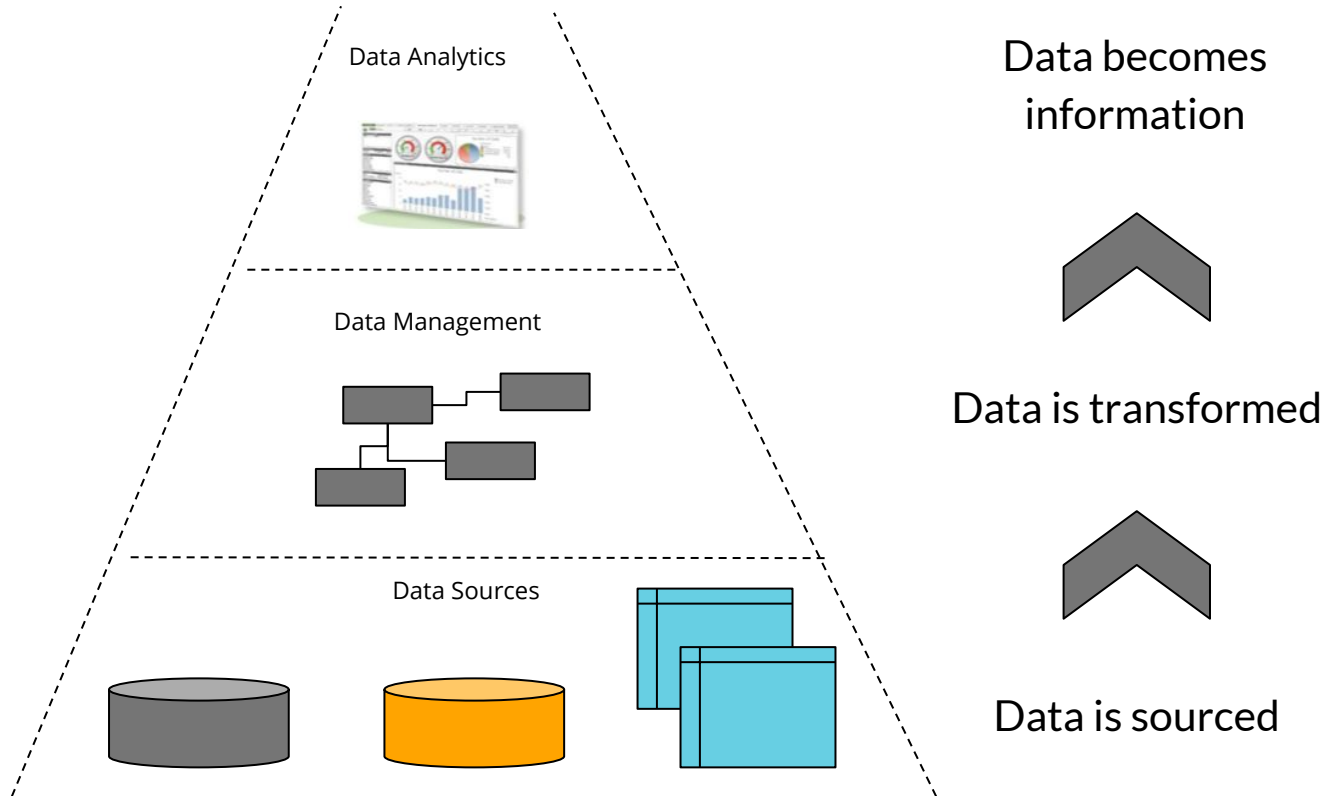
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BI in 30 seconds

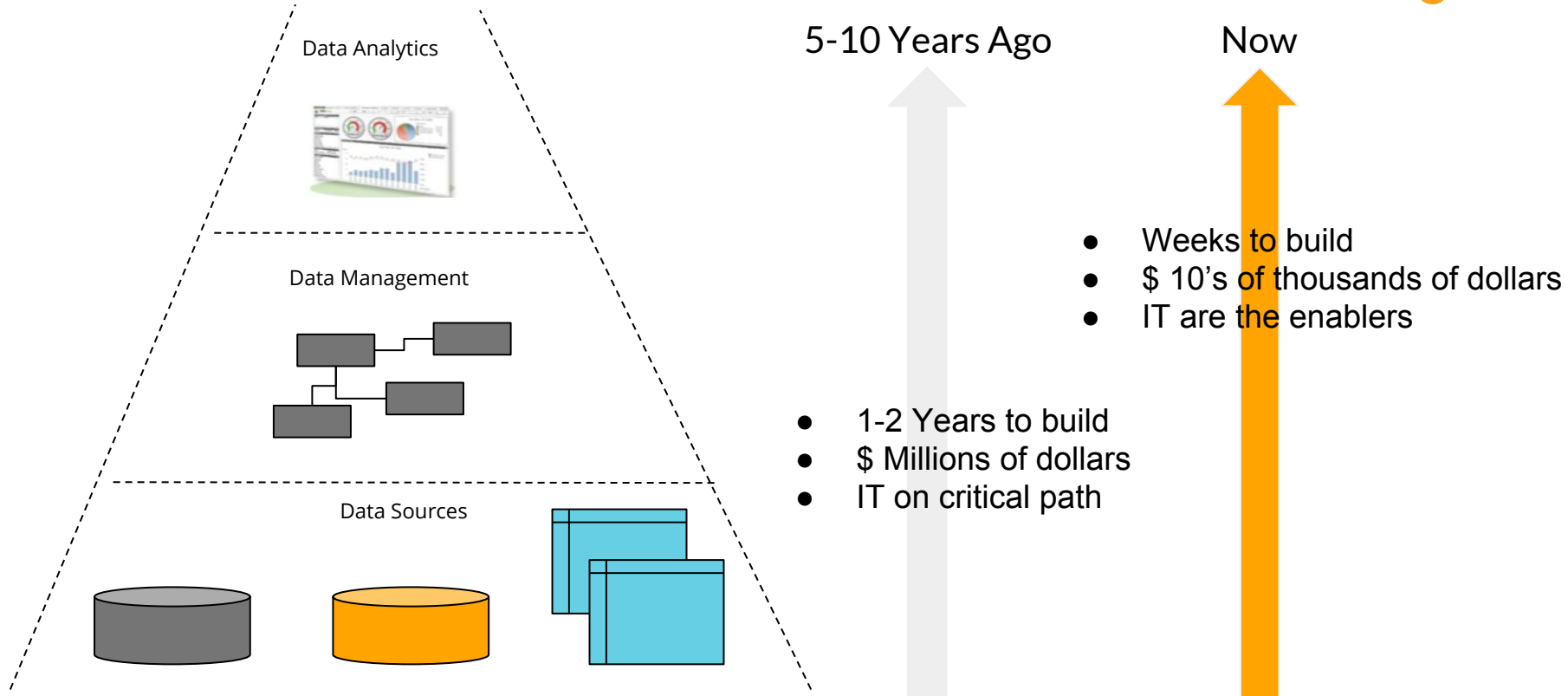


This is often referred to as “the BI stack”

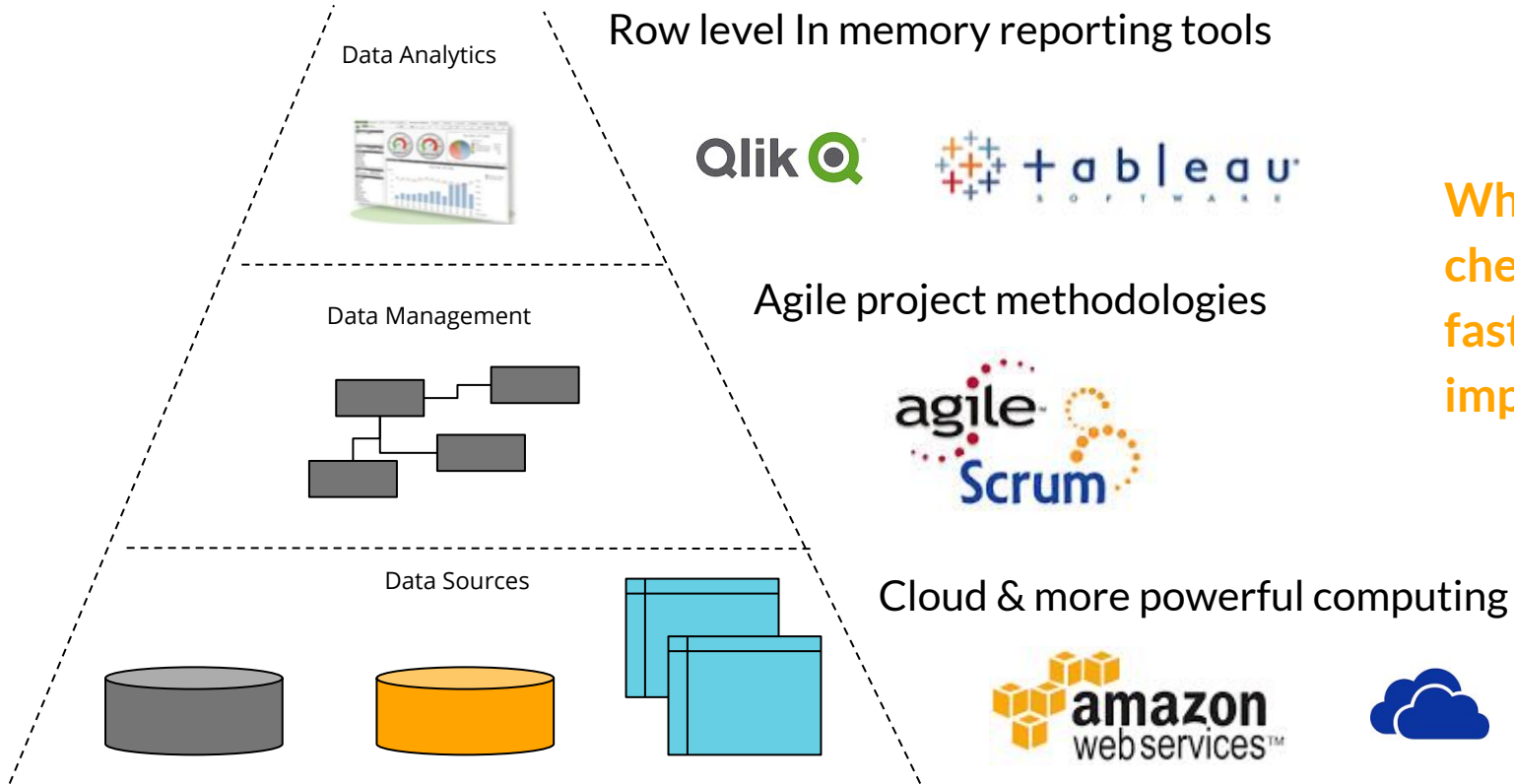
BI in 30 seconds



BI in 30 seconds



BI in 30 seconds



Why is it
cheaper and
faster to
implement?

Demonstration



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Some examples of where it can go...

QH, Dept of Health Commissioning & Performance reporting system (CaPRS)

Aginic and Dept of Health build a statewide BI environment

- Many 100's users in DoH & in HHS' across the state
- Bespoke portal covering a large range of data sources
- Modelling and BI

Queensland Audit Office Auditor dashboard portal - BI enablement

Aginic and the QAO built an internal team to service the needs of Auditors across the QAO. The team are now highly skilled in building dashboards based on high volumes of statewide governmental data

Where to next?



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Questions?



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