



Changing the direction of Risk and Control Analytics

Business led, Rapid Deployment, Immediate Value

September 14, 2016



Who are we?



We are an Australian 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



Example clients

PwC - Audit analytics support

Aginic are PwC's audit analytics support partner in Sydney. We provide a range of skills sets from BI dashboarding through to statistical advanced analytics to enable their team to perform data-driven audits.



Queensland Audit Office

Aginic are QAO's analytics and BI partner. Over the last 18 months we have built up their internal team, an analytics Qlik platform and delivered analytics support on a range of performance and financial audits.



Some context..



A common story and challenge



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 Problem

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.

Guerilla Analytics

An Agile Approach

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.

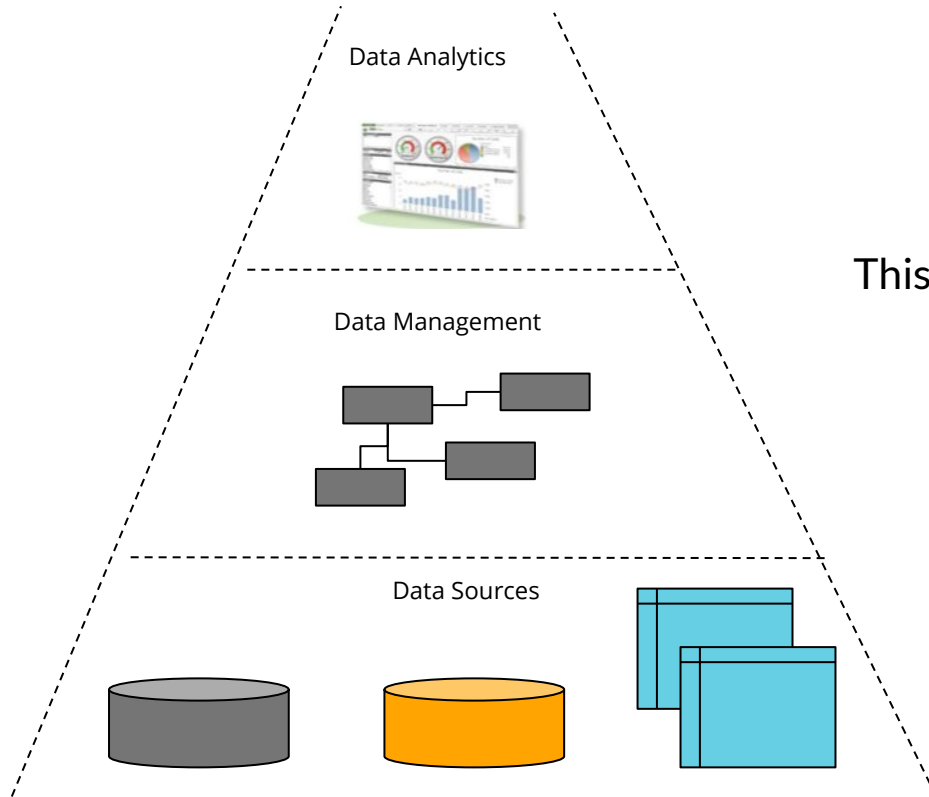
In a matter of days.

How has BI changed?



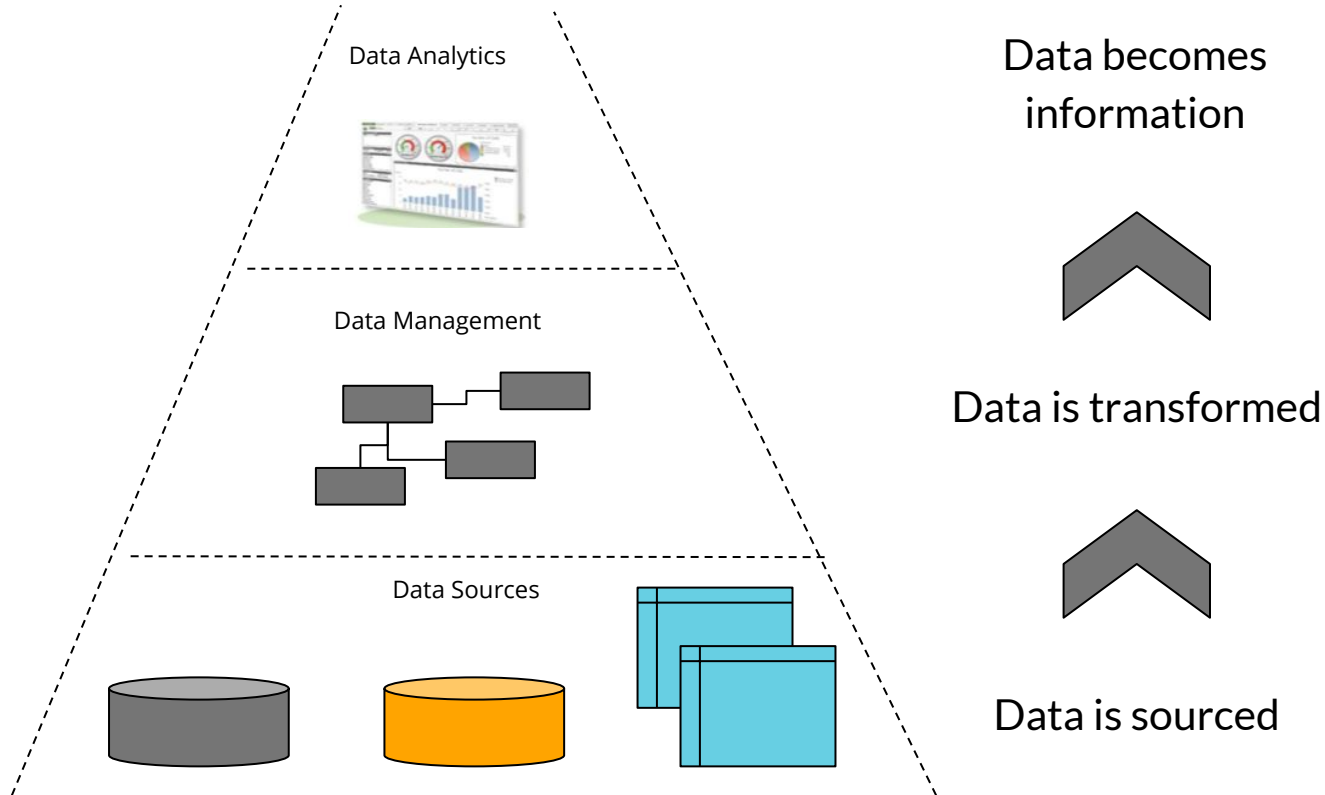
aginic

BI in 30 seconds

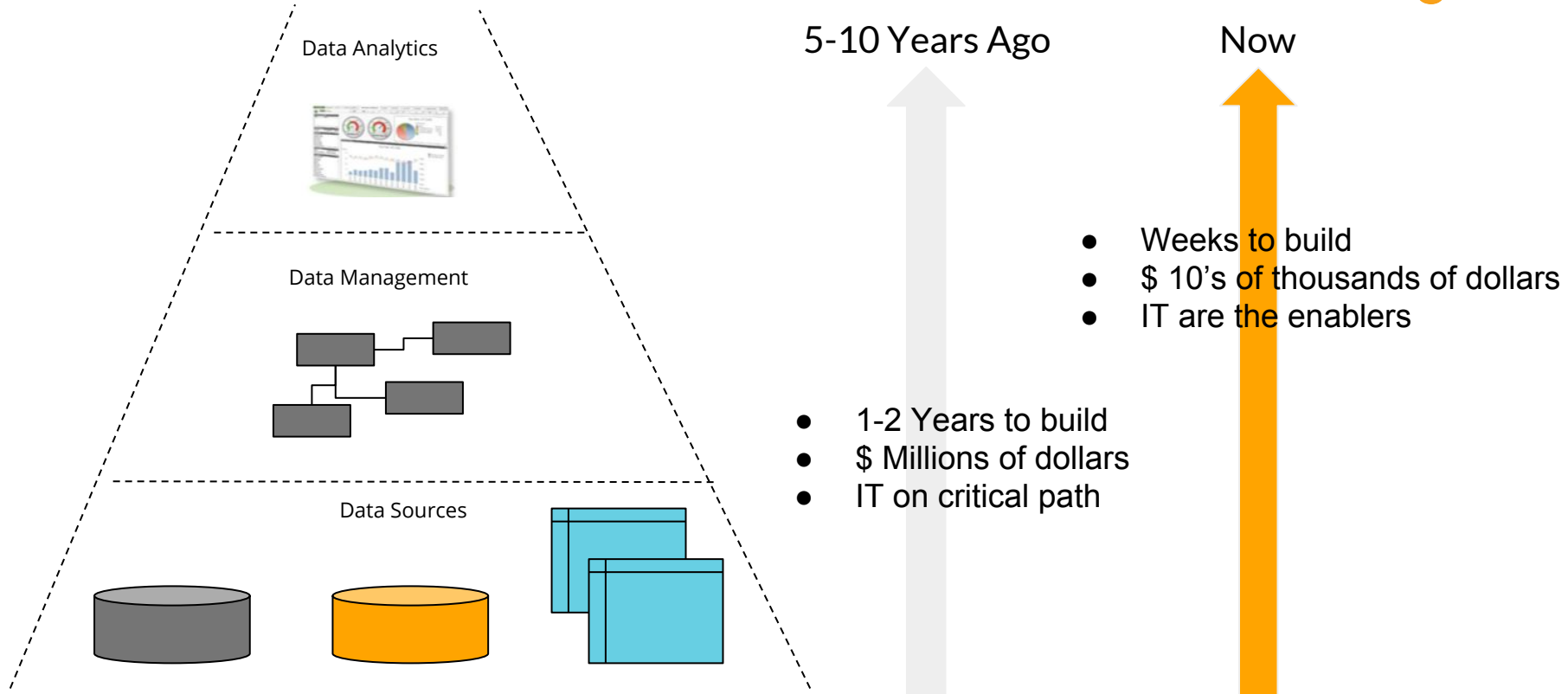


This is often referred to as “the BI stack”

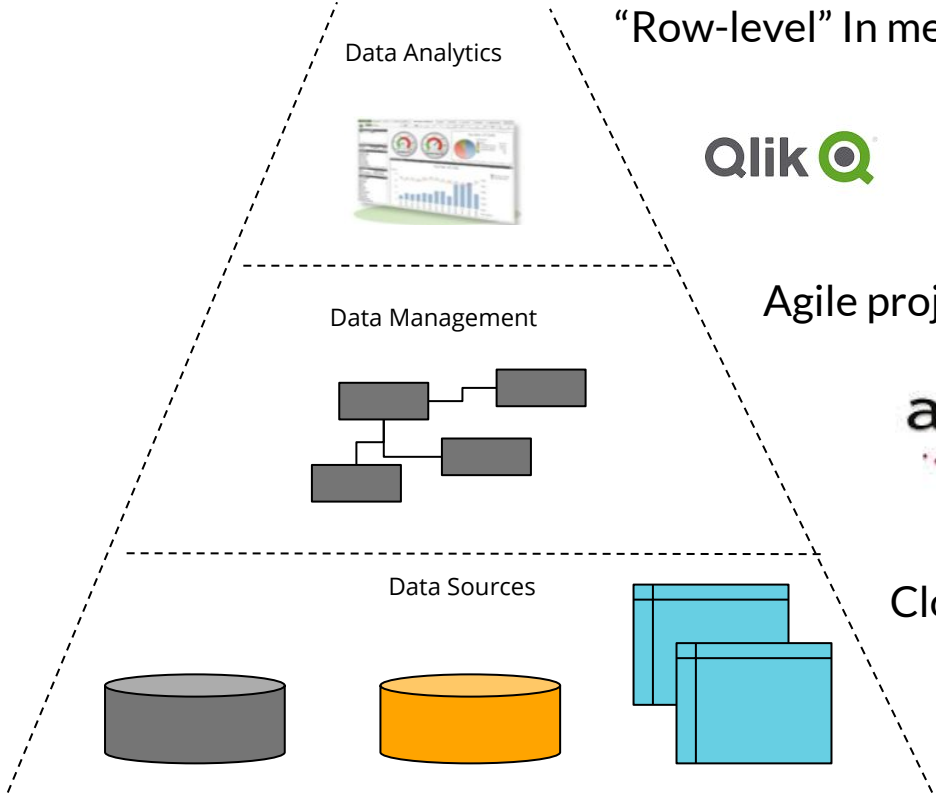
BI in 30 seconds



BI in 30 seconds



BI in 30 seconds



“Row-level” In memory reporting tools



Agile project methodologies



Cloud & more powerful computing



Why is it cheaper and faster to implement?

Lets run through an example



Architecture changes

Example Rio Tinto

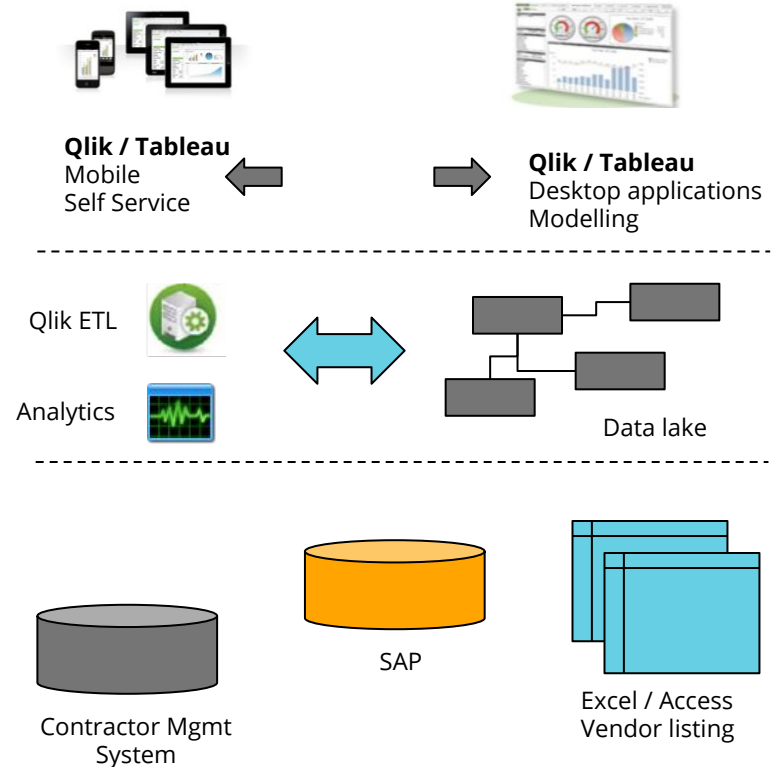


Moving from Cubes to “Data Lakes”.

Initial System Objectives:

- Monitoring contract spend
- Identification of poor timesheet practice / fraudulent behaviour
- 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)



Typical project



Collaborative kick off

- face to face
- alignment of business goals

Prototyping

- build something tangible
- get people using it

Iterations

- development cycle
- Includes visuals, ETL, reload schedules etc

"The tail"

- Transition to analysts
- Initiation of support model



3-4 days

6-7 days

12-14 days

5-7 days



Data exploration/gathering

- establish data model
- technical logistics

On-going

Users using it!

- iterative improvement
- set expectations low initially...

Beta release workshop

- face to face
- does the solution solve the business problem?

Demonstration



*What I'm going to
show you...*

Loading and blending data

Building dashboards (Apps)

**Self Service Risk Visualisation
& Controls Testing**



Discussion, questions?



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Where's it going?

and what exactly is “Big data”...



Creation blurred with Consumption

Device independence through cloud

Portal driven - breaking the
'read-only' paradigm of BI

Demise of the structured data
warehouse and lake (akin to demise
of structured email)

- Natural and intelligent joins
- Search