The Software Defined Institution

Brett Looney

amcom
The What?
What does that mean?

Software Defined Networks

Software Defined Storage

Software Defined Data Centre

SDN

Is that SDS?

Does that even have an acronym?
For configuring your network?

For dynamically changing network policy?

A compute platform?

Providing an API to request network resources?

A software control plane?
But: Does it matter?
Who Cares?! 

Most people in this room probably do.

Most end users don't.
And you shouldn’t care either

Most businesses are not in the IT business

So the IT department should really be about delivering business solutions... Not infrastructure
Software is the answer

But what’s the question?
Let’s take a step back

...connect my shiny new device!

iPad...
No-Way-Jose
We need to fix this

But how?
Again, software is the answer!
So what’s that question?

B.A.U

CHANGE!
Not so easy...
You need to plan your software architecture and how it will interact with the underlying infrastructure.
Data Modelling is key

The right data

At the right time

For the right people
This is not news

we have been through this before
And you will need ...

Software development resources

- In house
- Outsourced
- Partners
An example...

Tesla Motors
An example...
An example...

The University of Melbourne
Where to start
Consider what is happening in the startup space

Launching in 4, 3, 2, 1...
The bad
This can't be done overnight!

The software ecosystem still isn't perfect
The “cloud” can help

Using the cloud will make no difference if you don’t change your IT processes.
The “cloud” can help

But if you’re re-engineering architecture and process

Then using cloud-based infrastructure is the answer
To sum up
The Aim

Consumerisation of the institute
The Aim

Can your institute Apps be WOW just like Angry Birds?
Any device
Anywhere
Any time
Disrupt your Institution
Thank You