Australian Data Centre Strategy Summit 2015

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DAY 1 - TUESDAY 10TH MARCH 2015

15:00 - 17:30	*Summit Registration & Check-in*
16:00 - 17:00	**VIP only - Strategy Workshop: "The War for Talent"** moderated by Joseph Smith, Data Centre Product Manager, Optus

The mainstream adoption of cloud technologies and automation of repeatable IT tasks requires a fresh approach to recruiting for technology talent to sit within the IT team. The technology worker of the future will be expected to have breadth of skills to complement the depth of their knowledge in a specific domain. How do you bridge the gap between the skills required today and those we'll need in the future? Joseph Smith returns to the Data Centre Strategy Summit to discuss how to attract the best talent to your IT shop.

17:00 - 18:00	**VIP only - DC Skills panel: "Facilities Management Skills in the Cloud Age"** moderated by Trevor Clarke, Tech Research Asia

Invariably, the skills required to run an end-user data centre are slightly different to those required to run a co-lo facility, and different again to run a dedicated cloud computing facility. As more organisations choose to consolidate computer rooms, what skills should you be sharpening to prepare for a future in the cloud and when is the right time to up-skill?
Panellists: Glenn Gore, AWS; Mike Andrea, Strategic Directions, and others.

18:00 - 18:45	*Welcome VIP Drinks Reception*
18:45 - 21:30	*VIP Gala Dinner*
(19:00 - 19:30)	**Dinner Keynote: "2014 in Review & Delegate Survey Benchmarking"** Trevor Clarke, TRA

DAY 2 - WEDNESDAY 11TH MARCH 2015

07:00 - 08:00 *Breakfast for In-house Guests*

08:15 - 08:20 **Welcome Comments from MC Trevor Clarke**

08:20 - 09:10 **Advisory Panel: "High Performance Computing Super Session"** moderated by Trevor Clarke, TRA

For the first time ever, the Australian Data Centre Strategy Summit hosts the engineers responsible for taming three of Australia's largest supercomputers. What can the Bureau of Meteorology teach us about housing high-density supercomputers in co-lo facilities? What can iVEC teach us about reducing power consumption using geothermal energy? What can the National Computational Centre at Australia's National University teach us about free air cooling? Trevor Clarke hosts three of the best brains in Australia's high performance computing sector.

Panellists:

1. Dr. Neil Stringfellow - Executive Director, Pawsey Supercomputing Centre
2. Barry Nugent - CTO, Bureau of Meteorology
3. Alan Williams - Associate Director, National Computational Infrastructure (ANU)

09:10 - 09:50 **Global Guest Keynote: "Learning from RBS outage"** Paul Williams, Head of Sector Resilience, Bank of England

Abstract to come

09:50 - 10:00 *Networking Tea & Coffee Break*

	IT TRACK **MC: Glenn Gore, Technology Solutions Manager, AWS**	**FACILITIES TRACK** **MC: Mike Andrea, Director, Strategic Directions**
10:00 - 10:30	**"Streamlining Digital Delivery"** Claire Bourke, GM Service Integration & Operations, Australia Post	**"The Bumpy Road to a Flat Network"** Mark Thomas, Executive Director, Head of Networks and Data Centres, UBS
	As part of its Building Future Ready IT investment program, Australia Post is focused on enabling the digitalisation of its IT environments.Through this program new technology foundations have been established including consolidating a number of data centres, migrating infrastructure to two new state-of-the-art data centre facilities, and establishing public and private cloud capabilities. Claire Bourke delivers the story on what this means for Australia Post's ability to deliver digital services and its impact on the enterprise.	The Sydney operations of UBS was chosen as part of a global network overhaul to be the first within the multinational financial service provider to collapse its traditional three-layer network into a single, programmable network. UBS' Mark Thomas provides the Summit a summary of the 300 lessons he has documented for his UBS peers across the globe.
10:35 - 11:05	**"The Next Generation Data Centre"** Peter Tuton, Lead Solutions Advisor, IBM	**"Unlocking the Potential of your Data Centre"** Schneider Electric
	Practical advice for transformation in the era of cloud. Your data centre is the cornerstone of your IT operations and maximising the value of cloud computing can be challenging. Hear practical advice and steps you can take to cloud enable your IT environment. Get help on how to manage key issues like security, control and flexibility and integrating on-premise and off-premise environments. Peter will share real stories about data centre transformations and the outcomes cloud has delivered.	Schneider discusses how to give your data centre a competitive advantage, save deployment time and costs through prefabricated modules. Exploring how Schneider's Data Centre Life Cycle can help organisations create safe, efficient and available data centres. And learn how StruxureWare for Data Centres software suite improves reliability and efficiency.

11:10 - 11:45 **Strategic Partner Keynote: "The Cloud: Where does it start and where does it finish?"**
Bob Sharon, CEO & Founder, Green Global Solutions

For so long we have focused purely on the data centre, however the productivity and efficiency gains in the future will come from tight integration of data centre, IT and application infrastructure. Audience ROI:

- Where does the cloud start and finish?
- How will you right size your infrastructure?
- What effect will this have on the corporate bottom line and the environment?

11:45 - 12:15	**"Active-active, without breaking the bank"** Dave Chapman, CIO, Teachers Mutual Bank	**"Understanding Data Centre Differences"** Matt Gurr, Associate, Aurecon
	In 2013, Teachers Mutual Bank survived for an entire week running on its secondary site. The experience led CIO Dave Chapman to consider an additional investment in high availability by building out an active-active pattern between the bank's primary and secondary sites in Western Sydney. Chapman has volunteered to share what he's learned from the outage, through to making a business case and ultimately a successful execution in the name of system resilience.	As the market continues its shift away from the use of small, dedicated, owner-operator data centres towards consolidation of operations in large hyper-scale facilities, we look at the fundamental differences between the two, and the varying challenges that are faced when operating and running them.
12:15 - 12:45	**"Flipping DR On it's Head"** Mitch Miller, IT Manager, St Luke's Anglican School	**ANZ Bank Case Study [tbc]**
	Hear about St Luke's Anglican School unique approach to disaster recovery and business continuity in the education sector by using an on-premise box as DR with production in AWS.	
11:45 - 12:45	**VIP Closed Door Boardroom Roundtables - pre-selected Strategic Sessions run with Chatham House Rules**	
	Roundtable # 1: "The increasing relevance of modular data centres in decision making" with Commscope. Moderated by Penny Wolf, *iTnews.*	**Roundtable # 2: VMware** Moderated by Trevor Clarke, TRA
12:45 - 13:45	*Networking Lunch*	
13:45 - 14:20	**Global Keynote: "The Potential Impact of IoT/IoE/II on the Data Centre"** Mark Thiele, EVP Data Centre Technology, SWITCH SuperNAP	
	What does going from 7 billion connected devices in 2014 to 40 plus billion in 2020 do to your data centre and or infrastructure strategy? The truth is that no one really knows for sure. My perspective is that there will be significant impacts, but that these impacts might not be as obvious as just "more stuff". It would seem that the majority of us believe IoX will be big, but fewer of us understand where new opportunities will arise or where stresses will occur. I hope to shine a light on the subject, start some debate, and at a mini mum give you some food for thought on next steps for your organization.	
14:25 - 14:55	**"Future Trends within the Data Centre"** Steve Madara, VP, Global Thermal Management, Emerson Network Power	**"Planning for Big Data: The Transformation of the Physical Layer for Hyperscale Data Centres"** Clive Hogg, Enterprise Networks, Optical Comms, Corning
	Aside from the infrastructure technology trends of high efficiency power and cooling, what are the wider trends that Emerson sees within the industry? Complexity, application dynamism, sustainability demands and staffing resources combine with the other business demands of competition, time to market and the management of data centre assets. This short session will touch on each of these, linked with Emerson's Data Centre 2025 research and consider "where we are heading?"	The emergence of hyperscale data centres has changed the way data centre managers think about the physical layer. Longer transmission distances and higher port counts have necessitated a transition to high-bandwidth high-density connectivity solutions. This session will introduce cutting edge connectivity solutions which provide the ultimate in bandwidth, port density, usability and reliability, enabling a physical layer which accommodates the needs of today's hyperscale data centres, and the emerging needs of tomorrow. • Are you going to rely on traditional infrastructure designs, hoping transmission technology will continue to support your choice? • Will BiDi and Silicon Photonics steal the show, or just remain as players in transmission options? • How big is big? What fibre count could you imagine between data centre device locations? Realistically?

15:00 - 15:30	**"Designing Resilient Services and Governance when contracting 3rd parties"** Stephanie Hall, Global Head of Data Centres, Jacobs Engineering (tbc)	**Strategic Partner Session with Seagate**
15:30 - 15:45	*Networking Tea & Coffee Break*	

15:45 - 16:25 **"Putting training wheels on a cloud strategy"** Chris Taylor, CTO, Qantas

How does a large, established IT shop with a shared history working with valued technology partners go about proving out the value of public cloud? What skills need to be embraced to take advantage of the promise of cloud? How can technology leaders help their existing suppliers move at similar speeds?

Qantas CTO Chris Taylor shares some lessons from the airline's initial trials of cloud services.

16:25 - 17:10 **Advisory Panel: "Everything OpenStack: What is it, what it means"** moderated by Penny Wolf, *iTnews*

OpenStack is shaping as an alternative cloud stack that is both open standards and open source, and is aimed squarely at those organisations with lock-in concerns when it comes to cloud services. The industry's biggest names have thrown their considerable weight behind it - are they likely to agree on every aspect of its future development? Who in Australia have signed up to commit to the platform? Can it take on the might of AWS, Microsoft and IBM?

Panellists

1. Michael Gindy - Senior Director, Cisco Systems (at Telstra)
2. Steve Manos - Associate Director, Melbourne University
3. Erez Yarkoni - Executive Director, Head of Cloud, Telstra
4. Michael Still - Nova & Oslo Core Reviewer, Rackspace

17:15 - 18:00 **POD Sessions: Practical Open Discussions - Smaller interactive Deep-Dive Groups of 10-20 people**

POD 1 - Mark Thiele - Switch	"How does Agility apply to your data centre?"
POD 2 - Glenn Gore - AWS	"Security: 2014 was our worst year yet for large scale security incidents - what can you do about it?"
POD 3 - Bob Sharon - Green Global Solutions	"The effects on the Data Centre due to the explosion of cloud services"
POD 4 - Paul Williams - RBS	"Lessons and Insights in Disaster Recovery" (tbc)
POD 5 - Dr Pedro Harris - NSW Govt	"The SaaS, PaaS Community"

18:00 - 18:30 *Break*

18:30 - 19:15 *VIP Cocktail Reception*

19:15 - 21:15 **VIP Gala Dinner & Special Guest Keynote: Olympian & Sports Personality** *- to be announced*

DAY 3 - THURSDAY 12TH MARCH 2015

07:00 - 08:00 *Breakfast for In-house Guests - [Check out & leave bags]*

08:15 - 09:00 **Advisory Panel: "The Co-lo Kings Talk Hybrid Cloud"** moderatored by Trevor Clarke, TRA

What role do co-location providers play in the vision of a hybrid cloud? What skills and capabilities are each investing in to smooth out this process for organisations that desire both control and agility? And what happens when organisations decide to go "all-in" on public cloud?

Panellists:
1. Damien Spillane - Head of Engineering, Digital Realty
2. Jeff Van Zetten - Head of Engineering & Design, NEXT DC
3. Damon Reid - Managing Director, Global Switch
4. Jeremy Deutsch - Managing Director, Equinix

09:00 - 09:35 **Strategic Partner session with VMware**

09:40 - 10:10 **"The Data Centre Ecosystem"**
Pedro Harris - Executive Director, ICT Strategic Delivery, NSW Dept of Finance

Engineer, academic and policy-maker Pedro Harris is fascinated by industrial ecosystems. At this year's Data Centre Summit, he will propose that just as efficient ecosystems were once built around industrial parks or indeed shopping malls, the industrial ecosystem of the future will revolve around connectivity between data centres. If willing to collaborate, he argues Telcos and Tier III data centre colocation providers will play a vital role in the development of modern cities.

10:15 - 10:45 **Strategic Partner session with Verizon**

09:45 - 10:45 **VIP Closed Door Boardroom Roundtables - pre-selected Strategic Sessions run with Chatham House Rules**

Roundtable # 3 -
"The role of application performance in the age of the cloud" with Green Global Solutions. Moderated by Penny Wolf, *iTnews.*

Roundtable # 4 -
"Critical Environments Strategy and Management" with Global Switch. Moderated by Trevor Clarke, TRA.

10:45 - 11:00 *Networking Tea & Coffee Break*

11:00 - 11:40 **"How Smart is Your Data Centre?"** James Young, Director, Data Centres, Asia Pacific CommScope

The power of intelligence is the power to turn data into actionable information that drives informed decision-making. When designing, building, and managing a data centre, today's data centre owners and operators must ask the question – are the technology products I'm working with as smart as I need them to be? Intelligence requires an open, collaborative approach with a focus on interconnectivity and a deep understanding of the interdependencies that reside within one of the most complex interconnected entities on earth.

11:40 - 12:15 **"Clayton Build - Crossing the finish line"** Jon Curry, GM DC Facilities, Telstra

In late 2014, Telstra completed the build of the Clayton data centre in Melbourne, a project of a scale rarely rivalled outside of the major co-location providers. The Clayton facility will now play host to at least two large public cloud providers and many of Telstra's enterprise customers. Telstra's Jon Curry describes why the telco's big investment will be worth the effort.

12:15 - 13:00 **Advisory Panel: "Your Data Centre and The Law: Understanding Recent Changes"**
moderatored by Trevor Clarke, TRA

What do recent legislative changes – from privacy through to national security - mean for data centre operators and enterprises? Hear some of Australia's top legal minds spell out the implications.

With expert Panelists:
1. Paul Kallenbach - Partner, Minter Ellison Lawyers
2. Teneille Elliott - ANU National Security Centre
3. Michael Morris - Partner, Allens Linklaters

13:00 *Closing Remarks & Prize Draw*

13:00 - 13:45 *Farewell Networking Buffet Lunch*