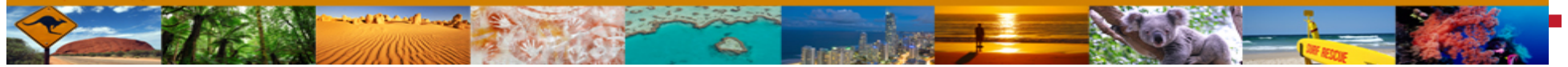




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The Way Forward: Before and After IPv4 Address Exhaustion

Jon Onley - National Business Development Manager

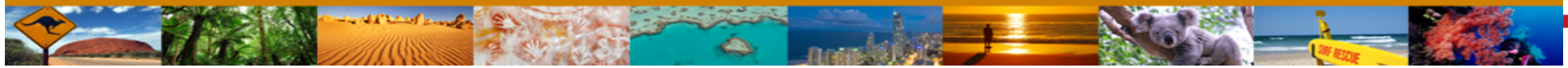
Australian Industry Group

August 2010





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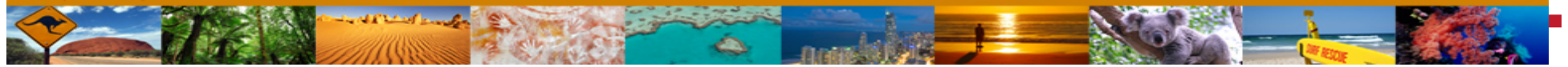
Australian Industry Group

- Australia's leading industry organisation
- Established over 100 years ago
- Providing services to approximately 10,000 companies who employ around 750,000 staff
- Representing companies in ICT, electronics and electrical manufacturing, transport & logistics, printing & packaging, defence, retail, services, food & beverage, construction, labour hire, and others





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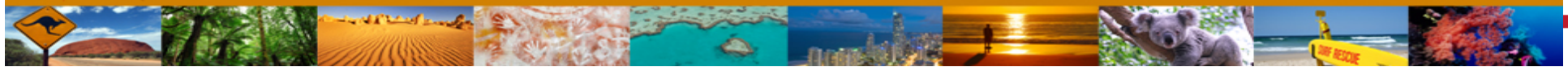
IPv4 address are running out!

- The remaining free pool of IPv4 address blocks continues to plummet.
- At the current burn rate, early to mid 2011 is the deadline for IANA IPv4 exhaustion.
- What has the Australian Industry Group been doing to prepare businesses moving towards the IPv4 exhaustion date?





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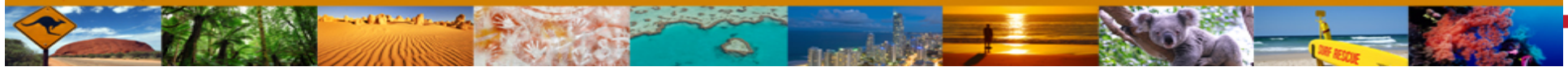
What have we done:

- Communicated the risks of not acting now
- Working closely with Governments – Vic6 project
- Running workshops
- Providing awareness information
- Established demonstration projects across key industry groups
- Established an IPv6 Test Bed
- Hosting the IPv6 Summit - December 2010





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VIC6 Project - Victorian Government

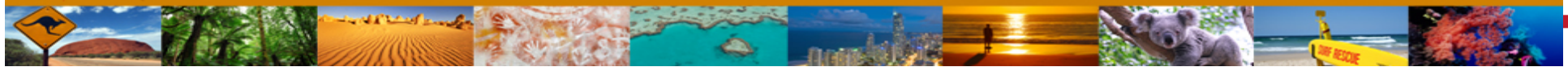
The VIC6 project commenced in late November 2008. Phase 1 of the project was completed in February 2009 with the initial connection of VIC6 to the IPv6 Internet, and work continues to enhance industry engagement and expand the range of facilities.

Ai Group is contracted to Multimedia Victoria for the overall project, including industry outreach and delivery of the testbed network. Ai Group engaged IPv6Now to deliver the IPv6 testbed network for Victorian industry.





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VIC6 Project - Victorian Government

The project was conducted in four phases, according to the Ai Group contract with Multimedia Victoria:

Phase 1 Industry oriented IPv6 testbed network

Phase 2 **Health** industry IPv6 Demonstration

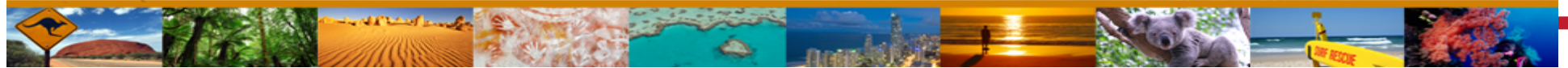
Phase 3 **Financial services** IPv6 Demonstration

Phase 4 **Auto manufacturing** IPv6 Demonstration





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The Australian IPv6 Summit - December 2010

The Australian IPv6 Summit will explore the potential cost savings, enhanced productivity, simpler networks and the smart infrastructure available via IPv6 allowing organisations to reap the benefits of the digital economy.

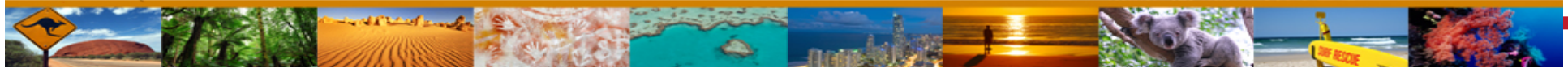
IPv6 provides simpler network management, enhanced mobility and almost unlimited Internet addresses for next-generation devices.

The IPv6 Summit offers two days of international and Australian experts, plus two optional one-day IPv6 Workshops to provide a hands-on guide to implementation.





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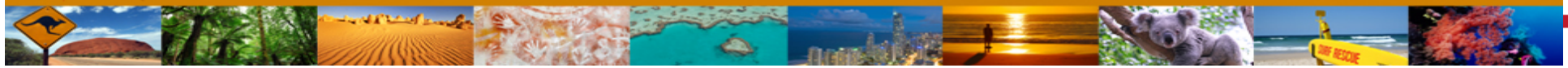
Key Benefits for Australian Industry :

- Larger address space
- Auto-configuration of addresses
- More efficient Routing
- Enhanced packet security
- Better support for Emerging Technologies and Converging Technologies





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Quote from Heather Ridout - CEO Australian Industry Group

“Ai Group believes the new IPv6 protocol is likely to be a critical underpinning to the National Broadband Network (NBN). Applications of the NBN such as e-health and smart power grids have been widely discussed, but it is unlikely that the truly transformative dimensions of these ideas can be achieved in the absence of the improved hosting capacity of the IPv6.

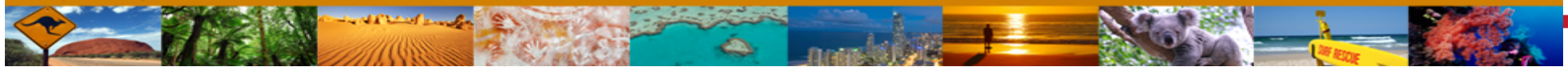
It is important that industry follows Government’s lead and starts to envisage IPv6-based applications and business models that will thrive in Australia’s high speed broadband future.”

January 2010





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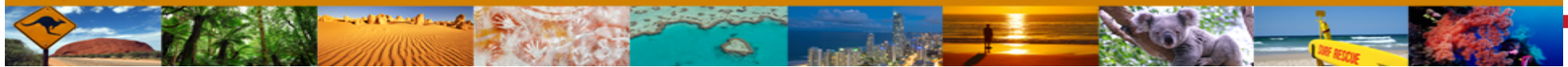
Industry Feedback:

- They lack a clear exhaustion date - a call to action
- They lack an understanding of what an IP address is
- The lack of understanding who is the end owner of the IP address
- They are unsure of the role of the ISP
- Will they notice any difference





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What Australia urgently needs to understand:

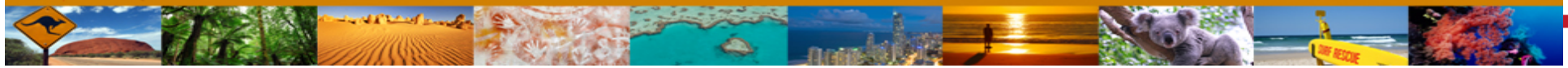
Understanding the transition issues that other countries have experienced:

- Just prior to exhaustion
- Once exhaustion has occurred
- Post exhaustion





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Australia needs to learn experiences from other countries:

Our Question is:

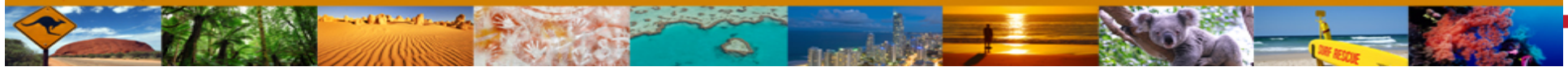
Knowing what you know.....

.....what would you do different?





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Summary

- 1. The Australian Government needs to complete full transition by 2013**
- 2. The markets will follow the government's lead**
- 3. Industry needs to be active now!**

