

IPv6

Internet Protocol version 6

The Australian Story

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Tony Hill

- ISOC-AU President – 2001 ongoing
- National ICT Industry Alliance
– Chair 2005-07
- Australasian Research Management Society
- President 2007
- Capital Hill Consulting Pty Ltd
– founder 1999 ongoing
- IPv6 Now Pty Ltd – founder 2007 ongoing



ISOC-AU & IPv6 Forum

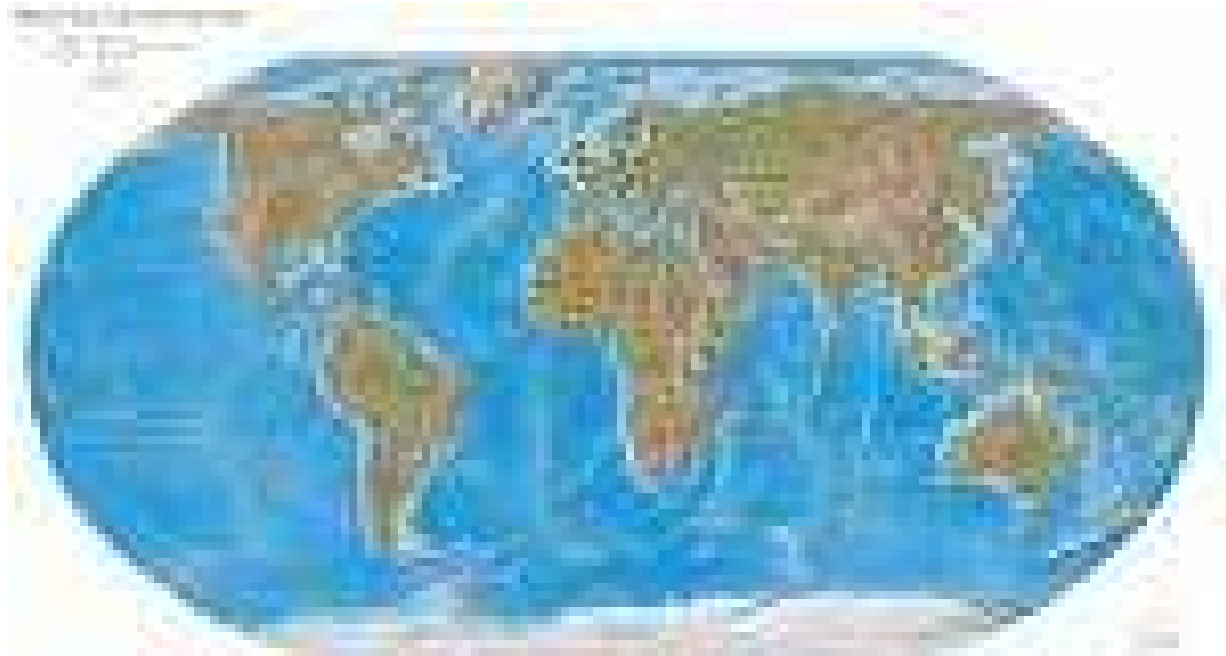
- Tony Hill
IPv6 Summit Steering Committee
Convenor IPv6 SIG, ISOC-AU
www.isoc-au.org.au

- Michael Biber
IPv6Forum Downunder
www.ipv6forum.org.au



Why should Australia be interested in IPv6?

- Trading and strategic reasons
 - Japan
 - Korea
 - China
 - USA
 - Europe
 - India



Building Up Awareness and Discussion

- ISOC-AU IPv6 Special Interest Group
 - Australian IPv6 Summit
 - IPv6 for e-Business
 - IPv6 Oz Tech email list
- Lead sectors in Australia
 - Research & Education, Defence, Government
 - Victorian government VIC6 industry testnet
 - National ICT Industry Alliance from 2005
- Australian Government support from 2005



What is happening with IPv6 in Australia?

- IPv6 Info – IPv6 for e-Business

 - www.ipv6.org.au

- IPv6 Summits

 - next 7-9 Dec 2009

- ISOC-AU IPv6 Special Interest Group

- Victorian Government

- Service Providers, Carriers & ISPs

IPv6 for e-Business

Australian Government
Department of Communications,
Information Technology and the Arts

[Home](#) | [Background](#) | [Mapping](#) | [Enabling](#) | [Awareness](#) | [Infrastructure](#) | [Standards](#) | [Contact](#)

IPv6 for e-Business Consortium

Internet Society of Australia
isoc-au

.auDA

AEEMA

ADIESA

Builders Net

Internet Protocol v6 is on the way!

For twenty years Internet Protocol version 4 has been the brilliant workhorse of network technology. Its successor, IPv6, is being phased in by Australian trading partners and defence allies. IPv6 has the potential for:

- almost unlimited IP addresses
- built-in security protocols
- simpler address administration
- widespread mobility support
- Quality-of-Service capabilities

[Click here for more about the basics of IPv6](#)

The IPv6 for e-Business Project

IPv6 for e-Business is a project for documenting, developing business tools, raising awareness and assessing readiness for Internet Protocol version 6, to build Australian capacity to take advantage of future innovation, especially in the area of

Please help us by completing the Australian IPv6 Readiness Survey

IPv6 Standards

Since work first began on IPv6, the Internet Engineering Task Force has created and defined all of its standards. Here is a list of IETF [IPv6 working groups and documents](#)

Useful Sites

[The IPv6 Forum](#)
[qo6.net Community Portal](#)
[The IPv6 Portal](#)
[IPv6DISS](#)
[IPv6 Forum Downunder](#)



Potential IPv6 applications in Australia

- Building management
- Sensor networks
- Supply chains
- Emergency services
- Consumer electronics
- Automotive industry



What do we need to do?

- Skills
- Transition planning
- Infrastructure projects
- Supportive government policies



What are we doing?

- Research & education: AARNet
- Industry: NICTIA, Australian IPv6 Summit
 - www.ipv6.org.au
- Government:
 - Defence: TIPSTEEL
 - AGIMO: whole of government transition by 2015
- Industry testbed: www.vic6.net



IPv6 Now Business Areas

All you need to get started in IPv6Now:

PLANNING

- Strategic Analysis
- Transition Planning
- Joint product development
- International alliances

IMPLEMENTATION

- Training
- Operations
- Services
- Product supply and integration





Business Areas

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Questions?

www.ipv6now.com.au

Thank you.



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