

QUESTnet 2013

AARNet and Australian Health Sector

The Presentation

The Presentation

- A reminder The objectives of the engagement with the health sector
- The changing landscape in health
- The current AARNet health subscribers
- The NSW CIO Forum
- The deployment of eduRoam in the health sector in NSW and Victoria

Why is AARNet engaged with Health?

Objectives of AARNet's engagement with Health

- **Improve outcomes for members**
- **Create a richer research and education environment**
- **Build relationships to support long term collaboration around infrastructure**

How AARNet has approached the engagement

My original commission:



“Begin to start to commence to think about starting to address issues of connectivity between health and research and education.”



“it will take you 5 years!”

How AARNet has approached the engagement

A recent discussion



"it has been 5 year - How are things progressing."



You were right! – we are just starting to get some traction



"Being right is my 2nd most endearing feature!"

NO LONGER ALONE

Others in AARNet



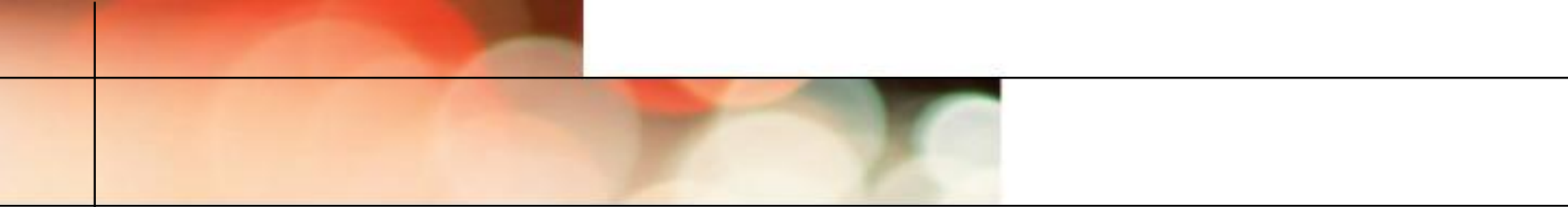
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A Changing Health Landscape

What has changed over 5 years?

Firstly a change in the way I think!

Once it was about:

- Trying to solve the process to obtain connectivity between campuses on a campus by campus basis.
- Trying to solve problems at the network Manager level.

The realisation is that:

- Inter-sectoral collaboration will be best achieved if their networks are joined at the hip.
- R&E traffic in health sector must be seen as being on the CIO's agenda .
- Health entities need to become part of the R&E network for their R&E traffic.

What has changed over 5 years?

- Secondly the Health CIO's are younger and more progressive



What has changed over 5 years?

Thirdly - HWA projects.

Failures have focused health trainers and their IT people on network issues

- Grampians (string-line internet gateways)
- Sydney Simulation Centre (3G for remote control of Man.)
- St John of God (ADSL video)



What has changed over 5 years?

Fourthly a change in the bandwidth driver

- PACs systems are about to be replaced as the high bandwidth health application.
- Clinical Extension is emerging as the bandwidth driver



What has changed over 5 years?

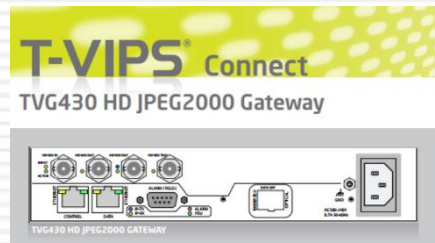
Why Clinical Extension?

- Annual medical conferences are no longer suitable for the extension of clinical research.
- The cream of the specialist community are more interested in weekly meetings
- They don't believe they have the time to travel for these meetings
- They certainly don't have time to fly to China
- Their normal equipment is expensive – they expect it to just work
- They therefore expect that their video services will of extreme quality and reliability.

What has changed over 5 years?

Why Clinical Extension?

- They don't just want video – They want real time data that is in sync with the video
- The Nepean request
 - simultaneous 100MBps symmetrical conferences between 3 sites
 - Point to point at 100Mbps in China
 - Let's do what Fox Sports do!



What has changed over 5 years?

Fifthly National Interactions and the Cloud

- Don't ask me to be self funding and then restrict me to operating within my own state!
- Don't ask me to be more efficient but restrict my access to the cloud!
- Alfred Health (Cerner Clinical system is located in Brisbane)
- Centre for Health Innovation (training courses into Sydney)

What has changed over 5 years?

Lastly

- AARNet now has a model that can handle the eligible traffic issue

A Subscription Model for Clinical Organisations

The Model

- A Deemed eligible traffic percentage (Usually 50% - records show 40% of all downloads come from other AARNet subscribers)
- A percentage of the total operating budget of the entity (ensures health entities are charged the same as other subscribers)
- Requires that the health service maintain a commercial internet feed
- In discussion with NextGen around traffic exemptions
- Proposals currently before NSW Health, SA Health and Peninsular Health

Health Sector AARNet Subscribers

Clinical

- Monash Health (800,000 people)
- Alfred Health (700,000 people)
- Eastern Health (700,000 people) – heading towards half of Victoria
- NSW Statewide Complex Epilepsy Network (3 different LHD's could not talk to one another)

Health Sector AARNet Subscribers

Training

- Beyond Medical Education (campuses in Bendigo and Bathurst – strategic relationships with Monash and CSU)
- Centre for Health Innovation (Alfred Hospital in Melbourne)
- Queensland Health Skills Development Centre
- Townsville Medicare Local (a long time AARNet subscriber)
- Australian General Practice Education and Training

Health Sector AARNet Subscribers

Research

- SURE (Secure Unified Research Environment - national)
- Chris O'Brien Lifehouse Centre (houses a number of research organisations)
- SA Health and Medical Research Institute

NSW Health-Universities CIO Forum

NSW Health-University CIO Forum

Members

- NAUDIT CIO's (Kerry Hollings from UWS is the current lead)
- Director, Infrastructure, NSW Health (Andrew Pedrazinni)
- CIO's of the 8 NSW Local Health Districts
- The CIO's of Ambulance and Justice
- AARNet

Chair

- Alternates between the sectors

Meeting Frequency

- Every three months

NSW Health-University CIO Forum

Outcomes

Agreements to :

- Meet regularly (every three months).
- Exchange of information and professional experiences. (AAF, Google@Macq, Telehealth, Lynx@SCH, Paperless Councils, iPad programs)
- Identify the key issues affecting inter-sector connectivity.
- Establish cross sector Working Parties to address these issues (eduroam and video interoperability)

NSW Health-University CIO Forum

Outcomes

- Information exchanges at each meeting
- Establishment of Working Parties
 - Eduroam (encouraging progress - talk about shortly)
 - Video interoperability (cooperation is good – any progress is awaiting work within the HWAN core)

eduRoam on Health Campuses

NSW

- Standardized deployment across all of NSW Health
- Cross sector working party
- Roll out dependent on the implementation of the NSW Health Network (HWAN)
- Core infrastructure to support eduroam now established within the HWAN core
- A dedicated link between AARNet and the HWAN has been established
- The costs of the dedicated eduroam specific link is shared between NAUDIT members
- Leveraged the work of the QRNO in policy and practices – very smooth
- Pilots underway in Western Sydney LHD and in Sydney Children's Hospital Network.
- LHD CIO's are lining up to enable eduroam

eduRoam on Health Campuses

Victoria

- Monash, Latrobe and Deakin all active
- Extraordinary work in assisting in the deployments and encouraging participation by Monash Health, Alfred Health, Eastern Health and Peninsular Health.
- Epworth Health has independently deployed eduroam at its Richmond campus
- Deakin is in the process of deploying eduRoam across the Grampians Rural Health Alliance network

Questions

