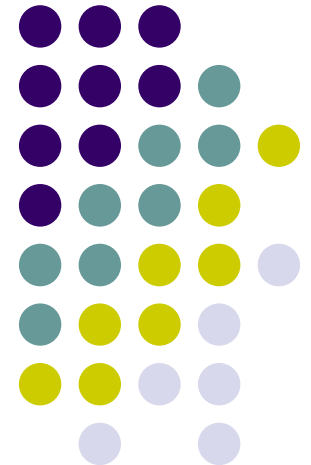


Wireless LAN Discussion Points

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JANET Wireless Event
Manchester, 25th October 2007

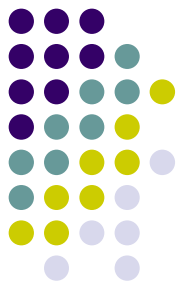


Breakout Session Fodder



- We have three parallel breakout sessions coming up:
 - Management
 - Clients
 - Applications
- In advance of these, here's some thoughts on topics to discuss...

Management (1)



- Most first wireless network deployments have evolved over time
 - Typically sparse coverage (10's of APs)
- Deployments today might be much bigger (100's of APs) and require specific considerations
 - Thick vs Thin ... technical or financial benefits?
 - Configuration management
 - Spectrum analysis, and technology support (a/b/g/n?)
 - Capacity planning
 - Availability of best practice information?

Management (2)



- We shouldn't forget the old security chestnut!
 - Layer 2/3 deployment choices - isolated or integrated wireless?
 - Will you use 802.1x for wired points too?
 - Policies relating to eduroam support (local vs guest users)
 - Detecting 'rogue' APs or other devices (e.g. printers)
 - Concerns over WLANs in exam rooms
 - Network Endpoint Assessment (NEA)?
- What about reporting WLAN usage/benefits to management to justify its operational cost?
 - What are the KPIs?

Clients (1)



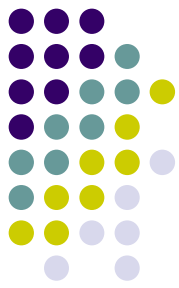
- If you have a pervasive wireless coverage, what is required of the clients?
 - Is 802.1x client software available?
 - What about support in PDAs?
 - What other devices would need to use 802.1x?
 - Other operational issues?
 - Users/devices selecting from multiple SSIDs
 - Roaming support cross-campus
 - Provenance of APs
- What factors might be preventing sites from deploying 802.1x today?

Clients (2)



- How much helpdesk resource is required to support users?
 - Users may not understand the benefit of 802.1x against the ‘effort’ of using/configuring it
 - How can that effort be minimised?
 - Guidance per OS?
 - What sort of information should go in a user-oriented FAQ?
 - Can this be generic or is it ultimately site-specific?
 - What about diagnosing 802.1x problems? These can be difficult to pinpoint... advice for users and helpdesk?

Applications (1)



- Are there ‘killer’ applications for wireless?
 - Voice? Multimedia streaming (video or audio)?
- Are you aware of any interesting application-oriented use of wireless?
- What value-add could location awareness provide?
 - By triangulation on wireless signal strength or GPS
 - Leading users to places
 - Knowing where devices are located
 - ‘RF firewalls’?

Applications (2)



- Do applications place specific (difficult to meet?) requirements on the infrastructure?
 - Available bandwidth
 - Multicast
 - Global IP addresses (no NAT)
 - What QoS mechanisms are required?
- What protocols should be/are allowed?
 - How might this vary on a 'guest' user?
 - What if eduroam is supported?
 - How can the local policy be conveyed to the user?

Breakout venues



- Red dots, remain here in the lecture theatre; WLAN Management
- Yellow dots, conference room 1; WLAN clients
- Green dots, conference room 6; WLAN applications