

DePaul University Wireless Design

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Overview

- Technology Overview
- DePaul Wireless LAN Design
- Wireless LAN Security Concerns
- Networks and Telecom Support Structure
- Future Issues
- References

Technology Overview

- CSMA/CA
- Spectrum and Channel Usage
- Service Set Identify (SSID)
- Bit Rates, Capacity and Performance

DePaul Wireless LAN Design

- Wireless VLANs and Subnets
- Access Point Deployment
- End User Client Software and Configuration

Wireless LAN Security Concerns

- Authentication
- Encryption and Wired Equivalent Privacy (WEP)
- Audit Trails and Incident Response

Networks and Telecom Support Structure

- Availability Monitoring
- Authentication Monitoring
- Resource Usage
- Remote Access Point Management
- Wireless Support Tools

Wireless Support Tools

- Ethereal
- Personal Digital Assistants (PDAs)
- SYSLOG Monitoring
- Rogue Access Point Tracking

Future Issues

- Security
 - Virtual Private Networks (VPNs)
 - 802.1x
- 802.11a/802.11g

References

- 802.11b Wireless LANs at DePaul - dpunet-rfc6.txt
 - <http://ntg.depaul.edu/rd/dpunet-rfcs/dpunet-rfc6.txt>
- DePaul Wireless Homepage
 - <http://wireless.depaul.edu>
- IEEE 802 LAN/MAN Standards Committee
 - <http://www.ieee802.org>
- Wi-Fi Networking News
 - <http://80211b.weblogger.com>