James Cook University

Network Upgrade 3 Years On

Leveraging Our Investment

John Newitt, Manager, Communications
Systems & Architecture

JCU Demographic

- Campus spread across North Queensland, Brisbane and Singapore
- 13,000-14,000 Students
- Just over 3,000 Staff
A Bit of History

- Prior to 2005 mixed Cisco, DLink, 3COM Vendors Base with numerous models and capabilities (547 + Devices )
- Limited maintenance tools and statistics.
- In 2005 moved to Nortel for Ethernet Switch infrastructure.

8600 Core
Edge Stacks

Staff Benefits

- 3-4 dedicated Network Technicians
- Number of Models
- Number of Vendors
- Firmware
- Management Tools
ENMS Layout

Management Tools

Switch Stack Management
Health Check

- Bandwidth Capacity
- Scalable
- VOIP ready
- End Point Security
- Nortel Audit
- Value added services

Pressing Issues

- Retirement of PABX / VOIP
- Wireless - Lightweight Solution
- Mobile device plague
- Security / Mobility
- Virtual Computing
Teaching Requirements

- PC Labs
- Video Conferencing Facilities
- On-Line learning material
- Data storage and access
- Content Management
- Research

Thank You

Hand Over to Robert Dolphin