

Network Management

NTW

Track 4

Your Instructors



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Each day we will....



- ⌘ start at a decent hour - 9:00
- ⌘ morning break - 10:30
- ⌘ lunch - 12:30 -13:45
- ⌘ afternoon break 15:30
- ⌘ completed 5:30 (or thereabouts)
- ⌘ some evening work

Overview



⌘ Monday

- ☑ Introduction and Overview
- ☑ National Internet evolution
- ☑ The Internet Structure
- ☑ Introduction to Routing

⌘ Tuesday

- ☑ Architecture of the ISP
- ☑ Management Tools and Techniques
- ☑ Costs and Pricing
- ☑ Business Planning

⌘ Wednesday

- ☑ Security

⌘ Thursday

- ☑ Management & Operations
- ☑ Capacity Planning
- ☑ Services

⌘ Friday

- ☑ DNS infrastructure
- ☑ ISP Services
- ☑ Industry Trends

⌘ Saturday

- ☑ Presentations
- ☑ Q & A

Monday AM



⌘ Administrivia

- ☑ Setting Expectations

⌘ Introductions

- ☑ students to describe themselves and their objectives for this week

⌘ Evolution of National Internet Infrastructures

Monday PM



⌘ How is the Internet glued together

☑ Illustrating the structure within the anarchy

⌘ Introduction to IP Routing

Tuesday AM



- ⌘ Cost and Pricing Aspects of the Internet
- ⌘ The Internet Business Model
 - ☑ Spreadsheet model of Internet Service enterprise

Tuesday PM



⌘ The Architecture of an Internet Service

- ☑ Technical Management

- ☑ Operational Management

- ☑ Resource Management

- ☑ Service Management

⌘ And your homework assignment is.....

Wednesday AM



⌘ Security Management

- ☑ Current Threats and Attacks
- ☑ Security Policy and Planning

Wednesday PM



⌘ Security Management

- ☑ Protecting the Network

- ☑ Incident Handling

Thursday AM



⌘ Network Management and Operations

Thursday PM



⌘ Capacity Planning

⌘ Services

Friday AM



⌘ Names and Addresses

The role of the DNS

Name and address structures and administrative arrangements

Current issues

⌘ ISP Service Portfolios

☑ ISP service considerations

Friday PM



⌘ ISP Industry Trends and Futures

- ☑ Technology futures

- ☑ ISP futures

- ☑ Telco issues

Saturday AM



⌘ The ISP Business Plan

- ☑ presentations

- ☑ comments and discussion.

⌘ Questions

- ☑ and possibly answers!