

MÇIX Overview

UKNOF 1

25th May 2005

Overview

- Who
- When
- Why
- Where
- What

Who

- Owned / operated by IFL
 - 2 data centres in Manchester
- Ultimate parent University of Manchester
- Neutral

When

- Network launched early February
- Public peering – 24th March 2005

Why

- Demand for layer 2 connectivity between Manchester data centres
- Demand for new IXP from customers
 - Cost of peering in Manchester outweighed benefit
 - At the time some concerns about stability / longevity of MaNAP
 - Decommissioning of MaNAP Network 2

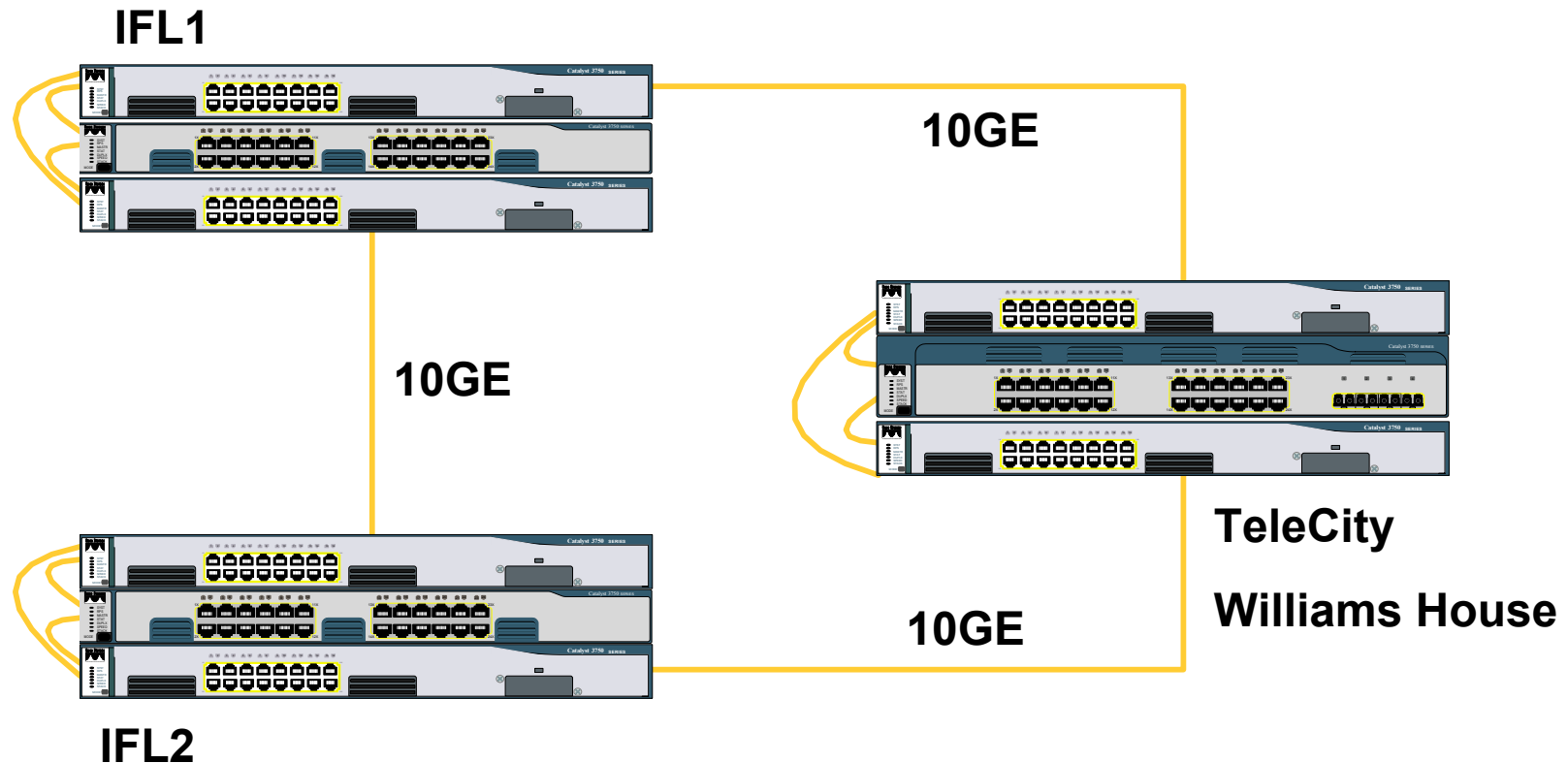
Where

- IFL1 – Kilburn Building, Oxford Road
- IFL2 – Manchester Technopark
- TeleCity - Williams House

What ... Switching platform

- Cisco 3750 stacks at each site
- Cisco StackWise creates 32 Gbps switching unit
- 10 Gbps interconnects between sites
- Diversely routed dark fibre
- 'Spare' dark fibre available

What ... Our network looks like



What ... Network management

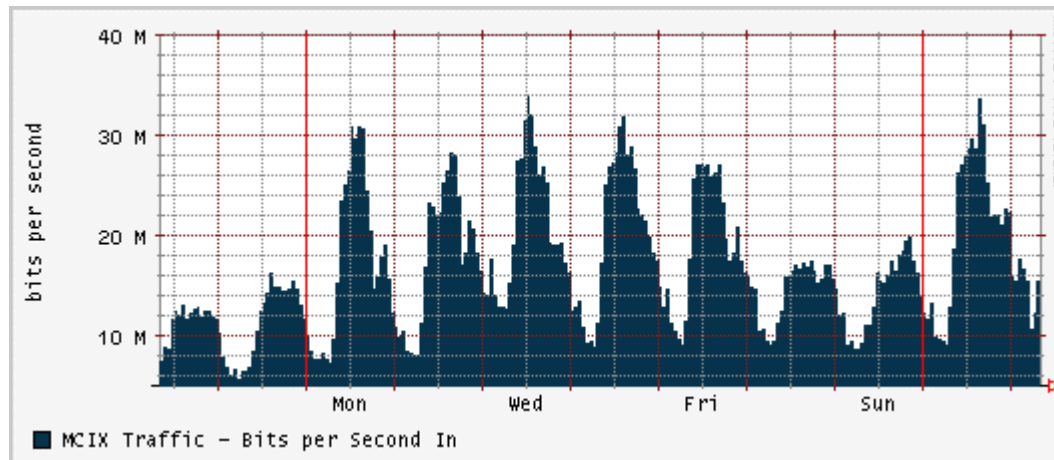
- Service contract with Logicalis
 - Network monitoring
 - 4 hour response
- Separate Nagios monitoring
- Customer access to monitoring platform

What ... Services we provide

- Public peering
- Private VLANs (point-to-point, point-to-multipoint)
- Dot1q tunnels
- Dot1q trunks

What ... Traffic Volumes

- <http://www.mcix.co.uk/stats.php>
- Stats generated with Cricket using 5 minute samples



What ... Does it cost?

- Per port charging structure
- Public peering free until October 2005

10BaseT	£40 pcm
100BaseT	£100 pcm
1000BaseT	£200 pcm
1000BaseSX	£250 pcm
Additional VLAN	£20 pcm

Questions?

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