

FaTMAN⁴ Reformed

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FaTMAN* Reformed

- What have we got?
- How did we get it?

* Fife and Tayside Metropolitan Area Network

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Wed 19 November 2003

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FaTMAN - 1994

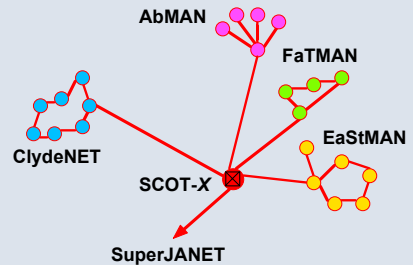
- SHEFC initiative - networking in institutions
- Embryonic JISC/UKERNA backbone-MAN model
- Technical market interest
 - Scottish Telecom - now Thus
- Hard and nimble work by IT community

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Scottish MANs



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FaTMAN - 1994

- Bid to SHEFC funded £472k
- EU procurement
 - Scottish Telecom supplied circuits
 - K-Net and Chernikeeff provided equipment
- 155 Mbps connection
 - University of Abertay Dundee
 - University of Dundee
 - University of St Andrews

**1st
operational
UK Academic
MAN**

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FaTMAN 1 - 1994

- Working Group
- Management by consortium of members
- Memorandum of Agreement
- Circuits and Agreement to 2002

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FaTMAN 2 - 1996

- Northern College joined FaTMAN
 - Dundee Campus connected
 - Architecture reworked
 - Voice traffic carried
- Video Conferencing service
 - SHEFC funded
 - Use of MANs initiative
 - High quality

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FaTMAN - 1997

- Scottish MANs risk analysis
- Resilient links to MANs
 - SHEFC funded
- FaTMAN UMI project – Helpdesk
 - Single system
 - Shared by 3 institutions

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FaTMAN - 2000

- SFEFC joined JISC
- JISC/UKERNA funds FE college network connectivity [2-8 Mbps]
- FaTMAN:
 - Angus College
 - Dundee College
 - Elmwood College
 - Fife College
 - Glenrothes College

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FaTMAN 3 - 2001

- FE Colleges join FaTMAN Management Group
- Northern College disaggregation
 - Dundee campus merges with University of Dundee
- Management Group opts for self-managed network (RPN)
- Re-procurement of circuits and equipment starts

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FaTMAN - 2002

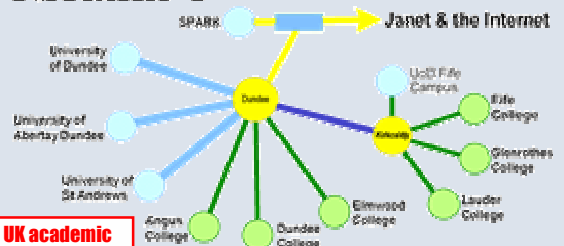
- Proposal to SHEFC/SFEFC
 - funded £824k
- EU procurement
 - Thus supplied circuits
 - Stiell (now McAlpine) provided equipment
- Improved bandwidth
 - 1Gbps core network
 - 100Mbps connection to FE colleges
 - 622Mbps connection to SuperJANET
- Lauder College joins
- Video-conferencing migrated to IP

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FaTMAN 4



1st UK academic MAN with all FE colleges at 100Mbps

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FaTMAN - Traffic

2002-3

	<i>Inbound (from JANET)</i>	<i>Outbound (to JANET)</i>
Per month	540 Gigabytes	350 Gigabytes
Per year	65 Terabytes	42 Terabytes

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FaTMAN - Management

- RPAN
 - Regional Network Operator – Dundee University
 - Contracts with UKERNA and suppliers (to 2009)
- Management Committee
 - Representatives from all member institutions
- Consortium
 - Consortium of members vs Limited Company
 - Consortium Agreement
 - Based on ClydeNET agreement

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FaTMAN - achievements

Research, Learning
& Teaching

Network services &
resources

Network
infrastructure



Innovate

Add value

Support

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FaTMAN - achievements

- Connected circuits & equipment
- Connected data
- Connected information
- Connected people

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