

# Futures

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FaTMAN

## FaTMAN Features

- FaTMAN supports
  - Learning & Teaching
  - Research
  - Administration
- FaTMAN is fast
  - supports known requirements including video
- FaTMAN has good connectivity
  - connects to the whole world

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## Why networking?

- Learning dependencies on network
  - Access to Virtual Learning Environments VLEs
  - Distance learning
    - students world-wide need 24x7 access
  - Widening participation
    - access from community centres
  - Flexible learning
    - access from homes

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## Why networking?

- Teaching dependencies
  - Reliable network access during a lecture
  - Effective communication with students
  - Collaboration tools
  - Remote lectures by video

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## Why networking?

- Teaching dependencies
  - Reliable network access during a lecture
  - Effective communication with students
  - Collaboration tools
  - Remote lectures by video

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## Why networking?

- Research dependencies
  - Collaboration tools
    - Research groups frequently multi-partnered
  - Grid computing
    - Will this be the next "big thing"?
  - Accessing datasets
  - Information search

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## Why networking?

- Administration/Business dependencies
  - Marketing
  - Student applications
  - Clearing
  - Procurement
  - Recruitment

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## e-Everything

- e-Learning**  
Widening Participation
- e-Science**  
Grid technology
- e-Procurement**  
Internet for Business
- e-Library**  
Resource Discovery
- e-Infrastructure**  
Co-ordinated strategy

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## FaTMAN Concerns

- Availability & Reliability
  - Networks must be trusted
  - Serious impact on teaching when a class is disrupted by interruptions
  - Business processes depend on Web services
    - applications, clearing, etc

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## FaTMAN Futures

- SuperJANET 5
  - Being planned already
  - Due in operation by end of 2005
  - Budget not yet allocated
- New services
  - GRID computing
  - Quality of service

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# FaTMAN Where next?

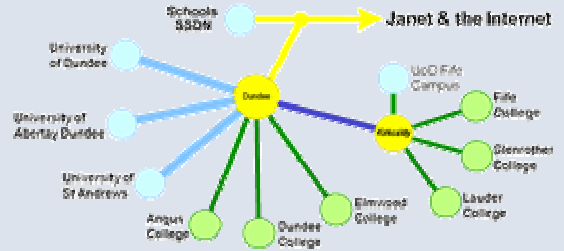
- Speed and bandwidth
  - not really important
- Reliability matters
  - but can be very expensive
- SSDN
  - not officially part of FaTMAN but shares infrastructure

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# Single Points of Failure



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# FaTMAN



## Reliability matters ... For access to content

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