

**NHS**



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JISC

# Data Transfer (networking & security) Breakout Session

**SINAPSE MIDAS Meeting**  
18<sup>th</sup> March 2009

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## Task (90 mins)

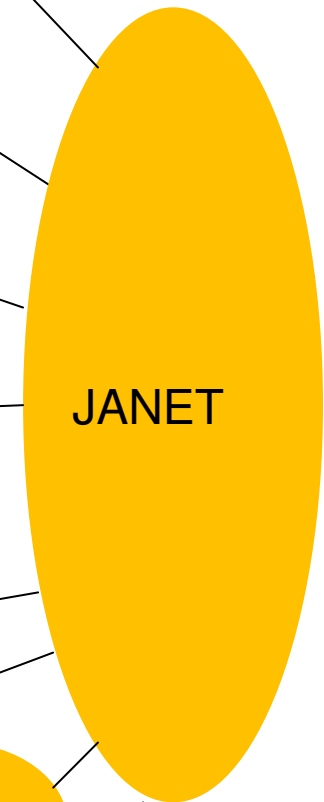
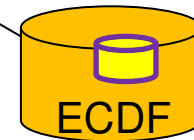
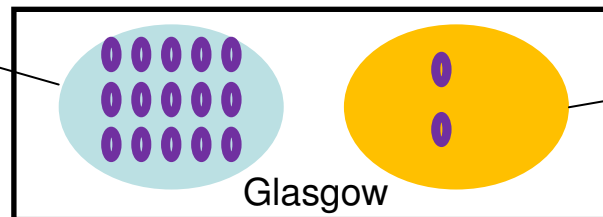
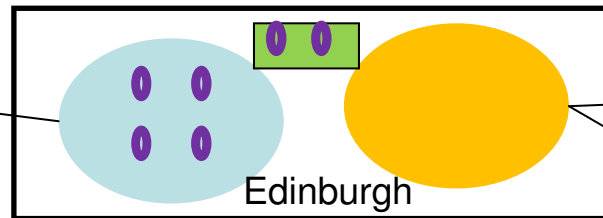
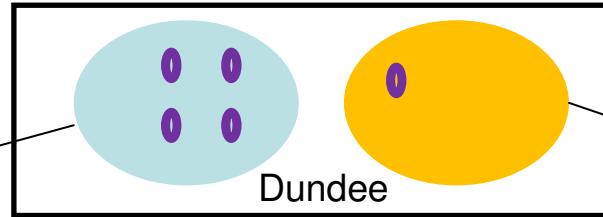
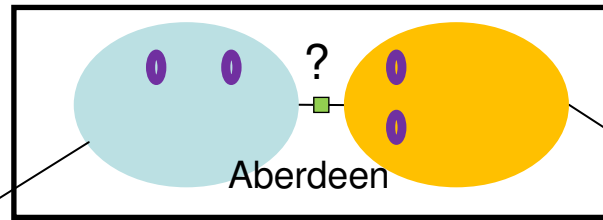
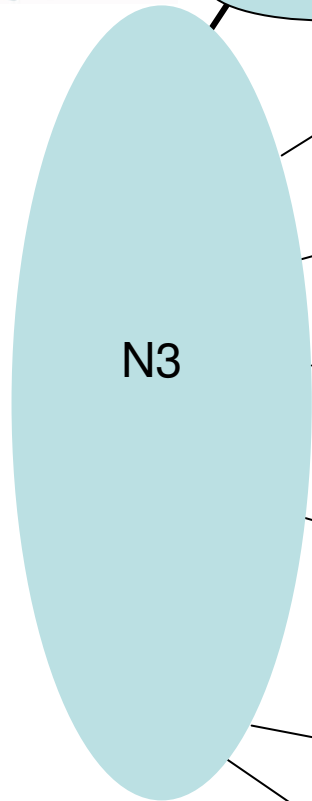
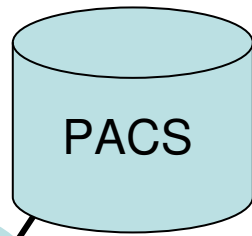


- Requirements (incl. objective, assumptions)
- Obstacles/valid constraints
- Possible solutions (existing or proposals)
- Action plan + key people
- Feedback to this afternoon's session





# Outline Network View?





# NHS-HE Connectivity Project



Objective:

**”To achieve good inter-operability between NHS and Higher Education (HE) networks that enable secure anytime, anywhere access by medical, nursing and allied profession students, clinical teachers and researchers”**

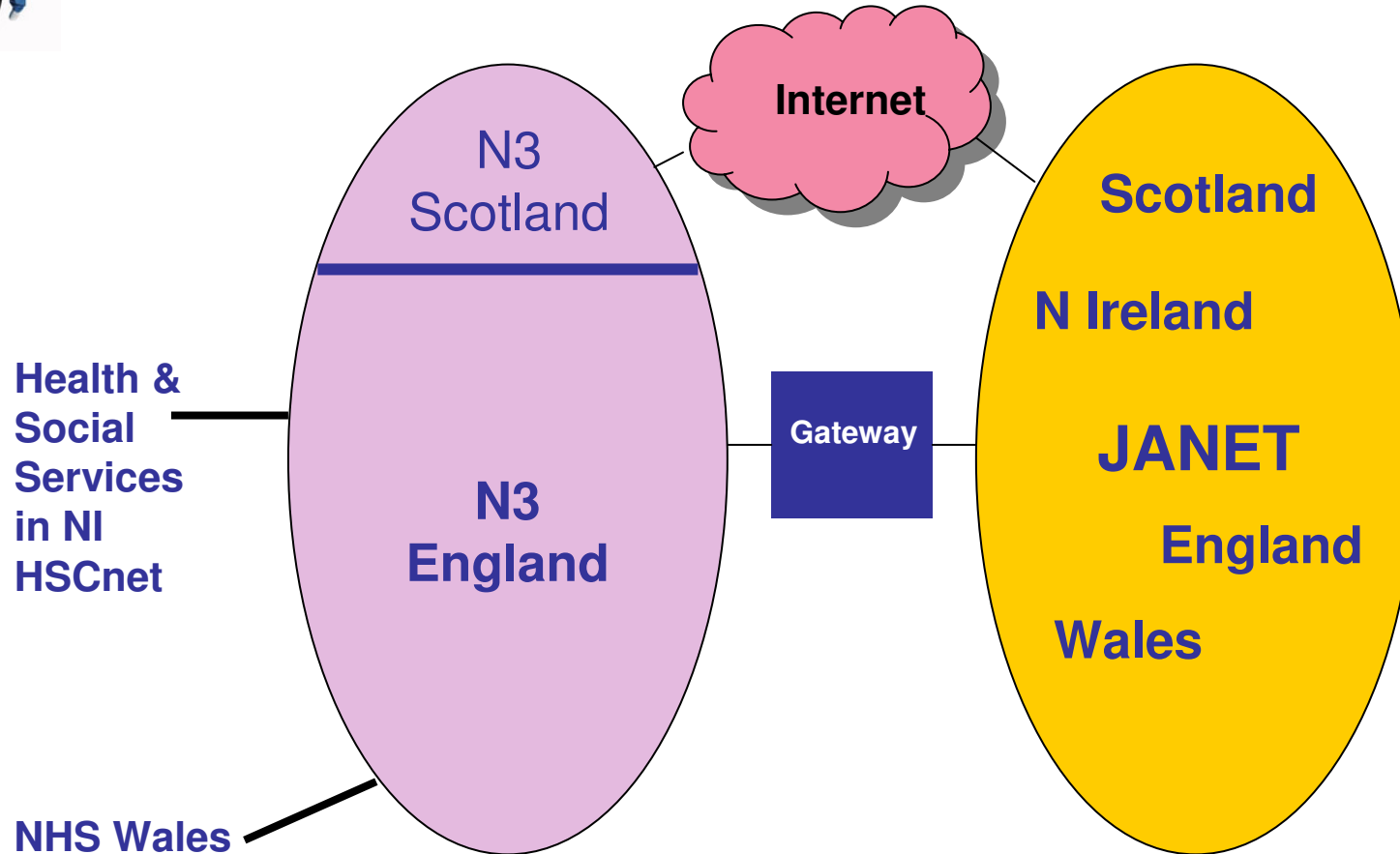
[www.nhs-he.org.uk](http://www.nhs-he.org.uk)

To move away from 2 PC syndrome





# N3 for NHS network in England and Scotland, JANET for Education & Research





# N3 JANET Gateway Objectives

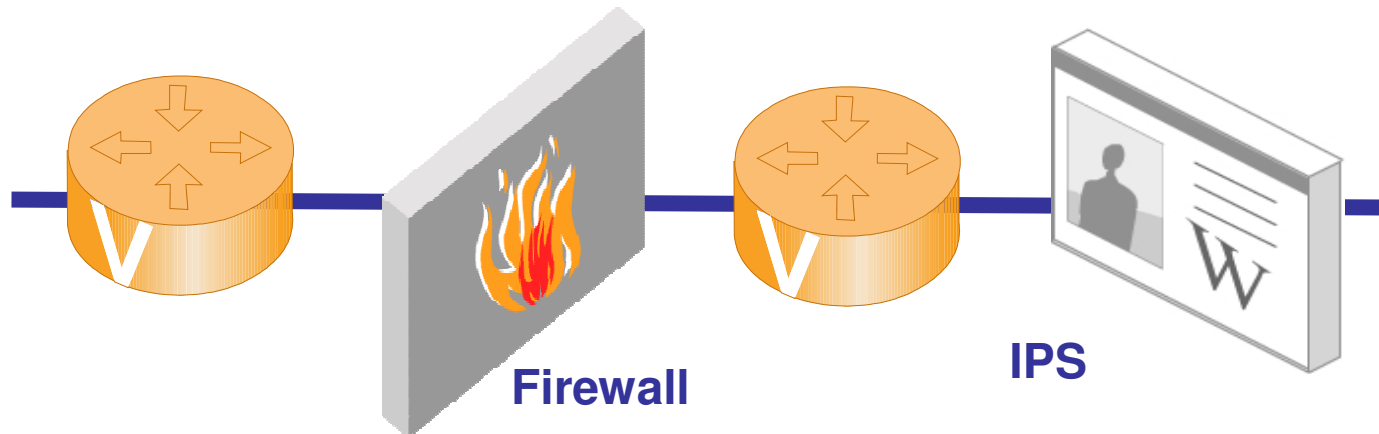
- to build a gateway for “early adopter” use
  - selected projects as pathfinders
- to analyse traffic crossing the gateway
  - amounts, and types of use
- to demonstrate practical collaborations
  - establish that investment was worthwhile
- to prepare a case for a permanent gateway
  - sized and operated appropriately





# Physical gateway

connect JANET backbone & N3 core



single 100 Mbps interconnection in  
London (Kingston Exchange & Telecity)





# Information Governance (England)



- NHS “Statement of Compliance” emerged (used to be Code of Connection & IT Security Board)
- SoC for JANET(UK) as the aggregator (and to manage the videoconferencing bridge)
- SoC not required for each University when services accessed from N3. Can include patient identifiable data if appropriate



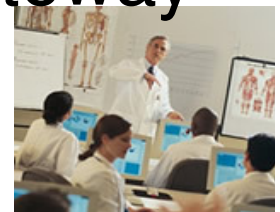




# Today



- Gateway infrastructure in place since November 2007
- Traffic is passing for 7 early adopter communities – some diverted from N3 Internet Gateway and some “new”
- Sessions initiated in N3, “Any N3” through “Any port” but to early adopter IP addresses only
- Tandberg Expressway for H.323 videoconferencing as part of JVCS
- Business case for resilient N3 JANET Gateway service

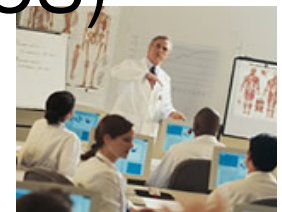




# Early adopters



- CETL4HealthNE: University of Newcastle with University and NHS partners in NE of England
- University of Bristol & UWE| Clinical Academies
- University of Birmingham
- Wellcome Trust Sanger Institute
- University of Edinburgh
- University of York
- JANET Videoconferencing Service (JVCS)
- University of Salford





# Now: Sessions initiated in N3



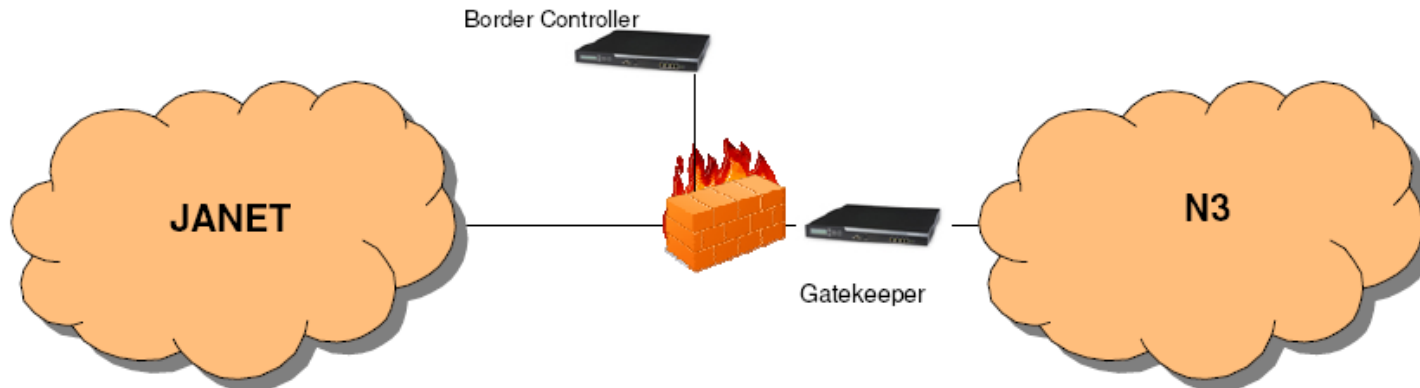
Sessions initiated in:

	N3	JANET
No PID	Now Eg access to VLEs	Investigating: Eg NHS intranets
PID	Eg collecting research data	Access to NHS clinical systems



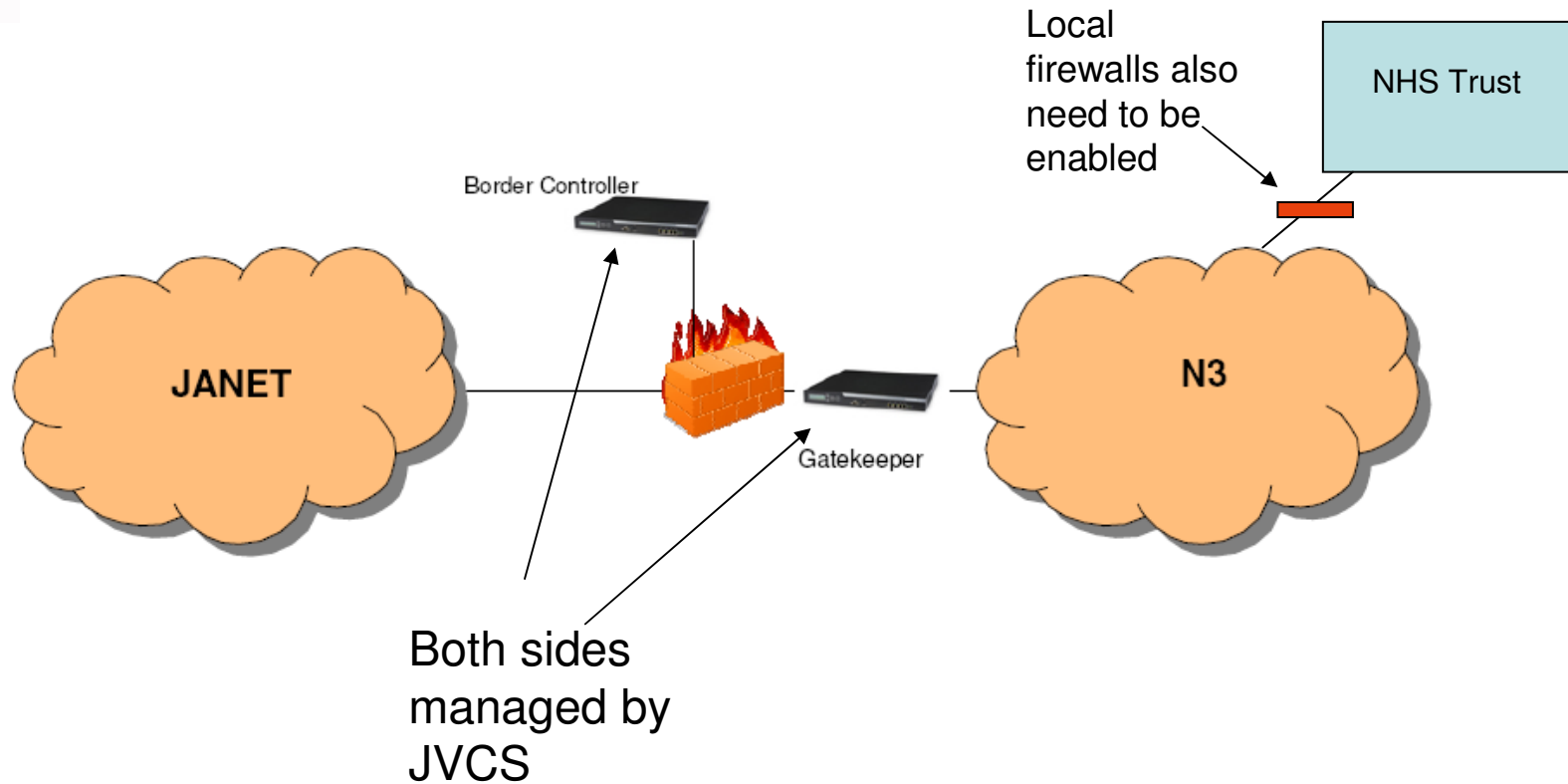


# Tandberg Expressway at the N3 JANET Gateway





## Tandberg Expressway at the N3 JANET Gateway



South Tees Hospitals NHS Trust  
first to go live,  
Need to work with new N3 service





# Next Steps



## • Business Case for N3 JANET Gateway Service

- 2 Gateways at 250 Mbps active/standby
- Joint funded with Connecting for Health
- All N3 JANET traffic
- Autumn 2009 implementation
- Further development still needed for sessions initiated in JANET, i.e. the Information Governance & technical models

