N3 JANET Gateway Update

NHS-HE Forum
14th May 2008

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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"
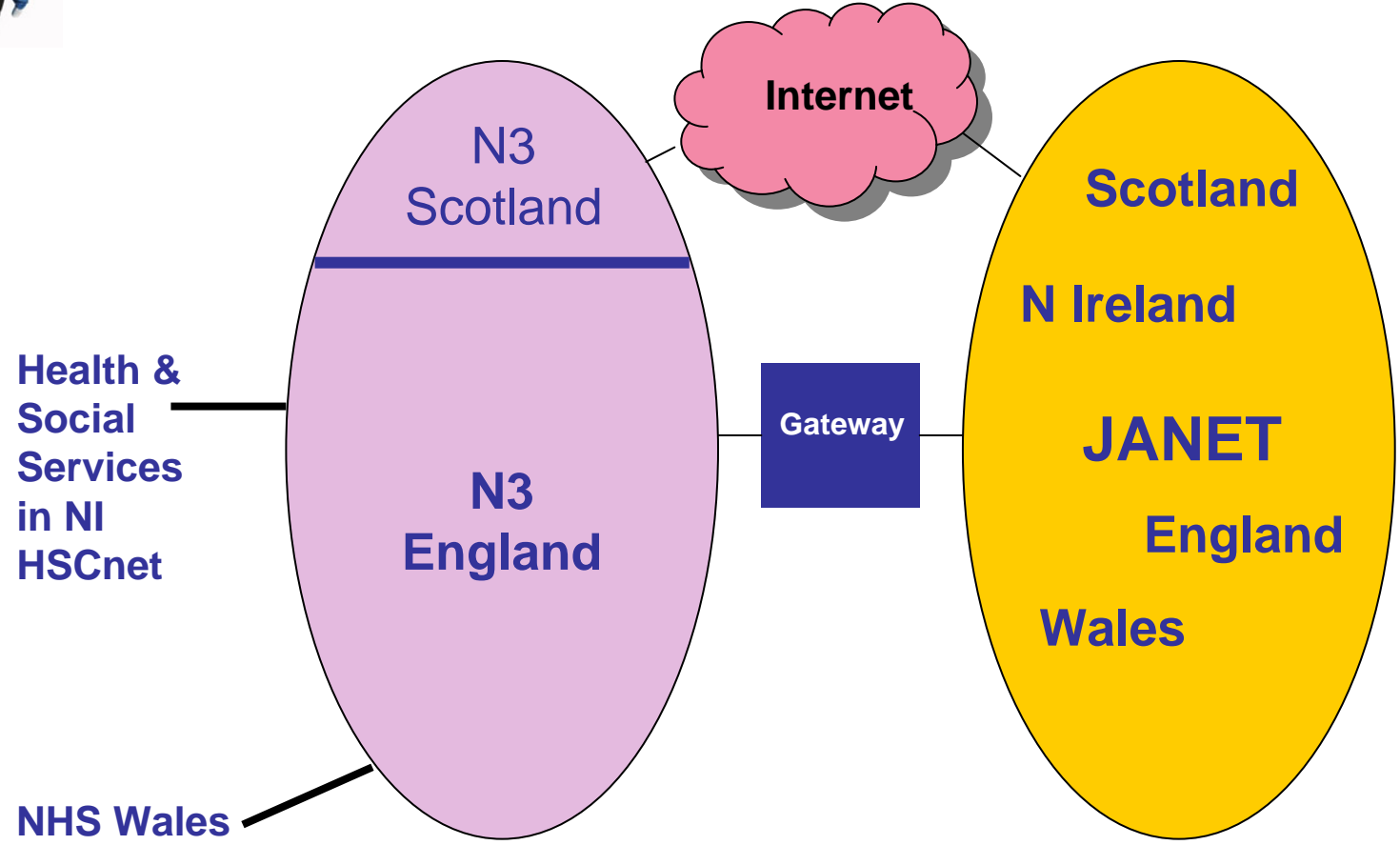
www.nhs-he.org.uk

To move away from 2 PC syndrome

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

Internet

N3
Scotland

Scotland

N Ireland

Health &
Social
Services
in NI
HSCnet

Gateway

JANET

**N3
England**

England

Wales

NHS Wales

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

Firewall

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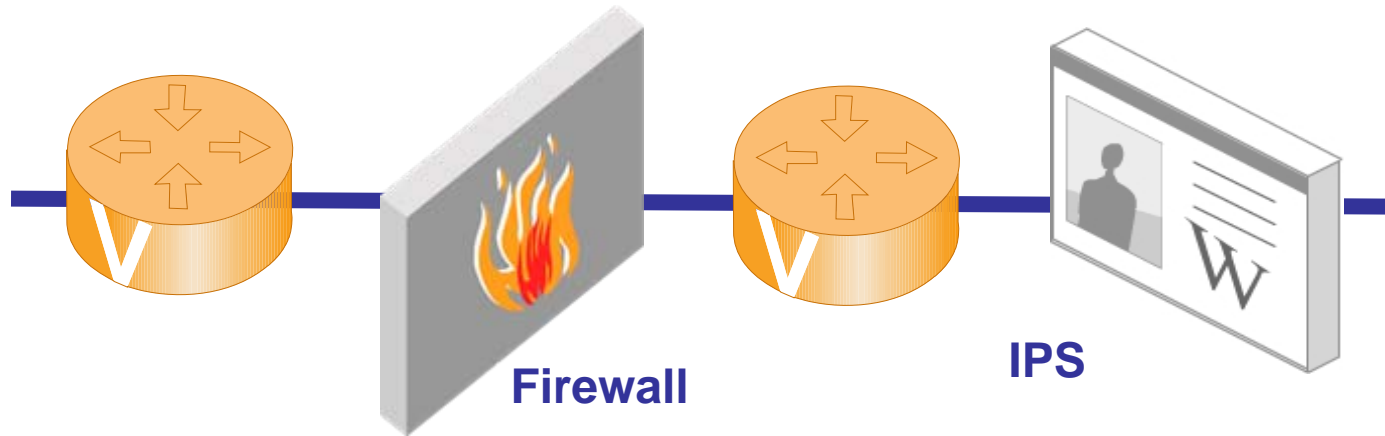
single 100 Mbps interconnection in
London (Kingston Exchange & Telecity)

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 **NEW** Now can include patient identifiable data if appropriate

- **NEW** Information Governance questionnaire for bodies such as Universities

Today

- Gateway infrastructure in place early November 2007 (clock ticking on 1 year contract)
- Traffic is passing for 4 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

  NEW
- Tandberg Expressway in place and final configuration and testing taking place (for H.323 videoconferencing as part of JVCS)

Early adopters

- CETL4HealthNE: University of Newcastle with University and NHS partners in NE of England
- University of Bristol & UWE| Clinical Academies
- University of Birmingham **NEW**
- Wellcome Trust Sanger Institute **NEW**

And soon…

- JANET Videoconferencing Service (JVCS)
- University of Edinburgh
- Interested in others

University of Bristol

- Live at Weston super Mare and Yeovil Clinical Academies (Access to UoB Citrix)

- Swindon – major local redesign needed

- Gloucester/Cheltenham – discussions about N3 bandwidth & finance

- Printing to be reset

- e/pop videoconferencing working in secure mode (port 443 rather than 80)
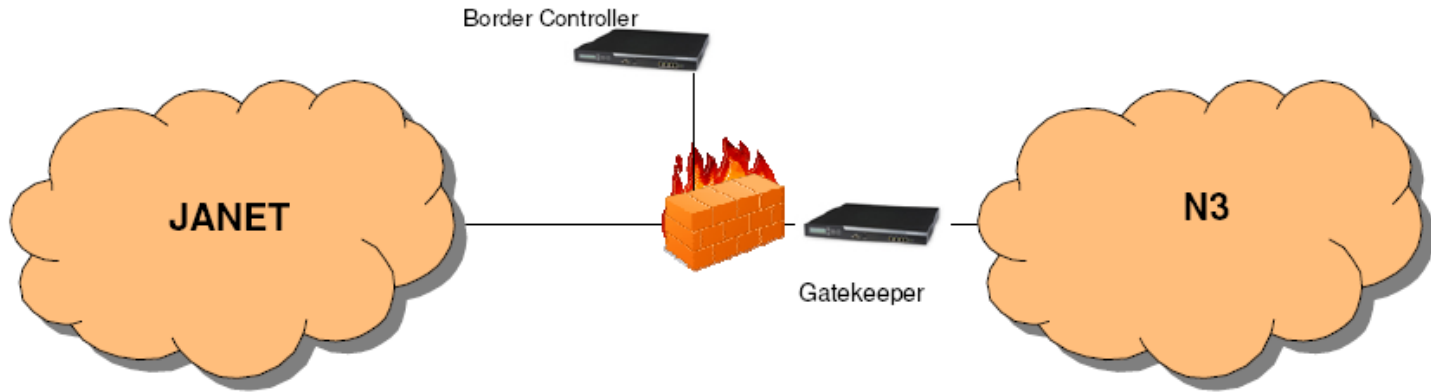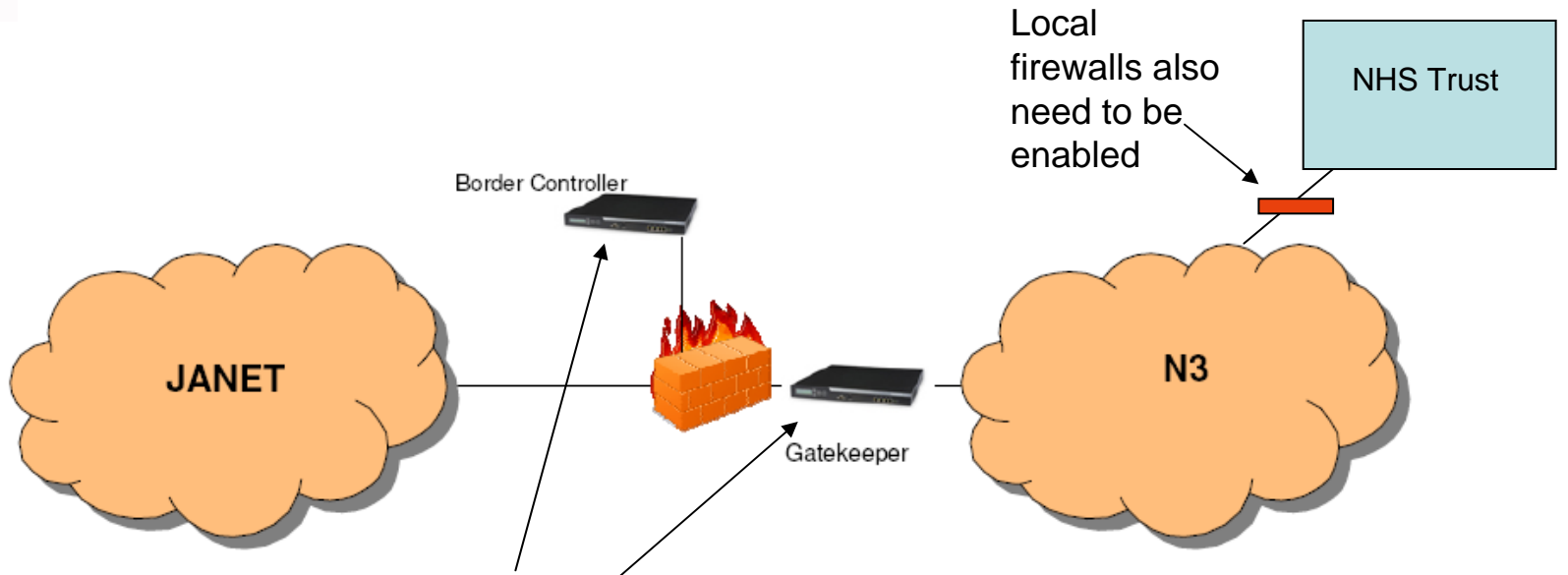
Now: Sessions initiated in N3

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

Local firewalls also need to be enabled

NHS Trust

Border Controller

JANET

N3

Gatekeeper

Both sides managed by JVCS/WVN

Configuration across the firewall now tested

Firewall being adjusted to allow JVCS MCUs to reach Border Controller

JVCS Early Adopters

- South Tees Hospitals NHS Trust should be first
- Then other NHS Trusts in NE of England through the CETL4HealthNE project
- Others can join in through registration with JVCS and agreement that an early adopter.
- Currently not for patient identifiable data (may look to switch on encryption though)

Conclusion

- Some progress
- Waiting on Videoconferencing for wider publicity
- Business Case now crucial, working with Connecting for Health
- As is further development of other early adopters and tackling the sessions initiated in JANET

Thank you

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