N3 JANET Gateways Update

Scotland NHS-HE Forum

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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"
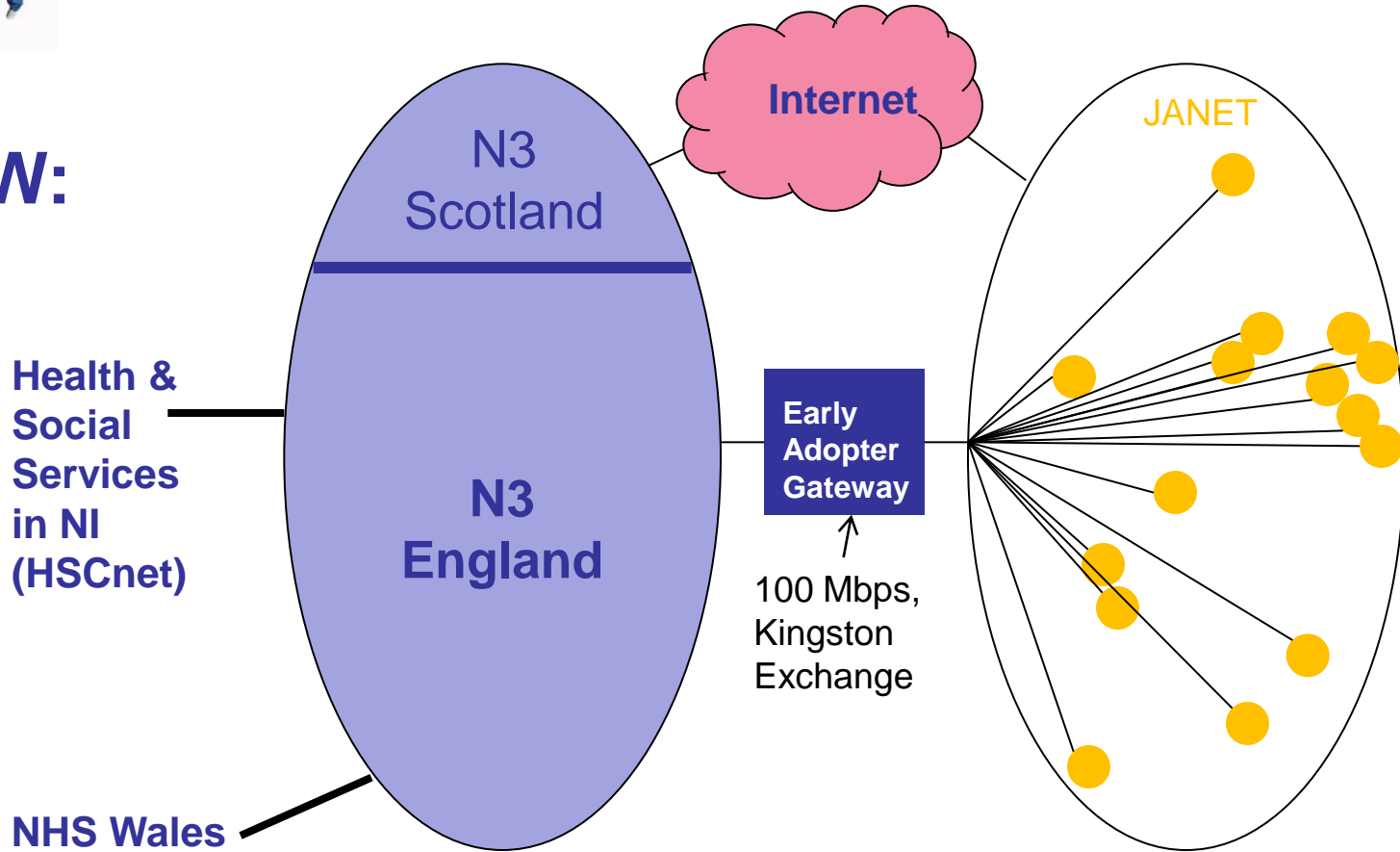
www.nhs-he.org.uk

To move away from 2 PC syndrome

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

NOW:

Internet

JANET

N3 Scotland

Health & Social Services in NI (HSCnet)

N3 England

Early Adopter Gateway

100 Mbps, Kingston Exchange

NHS Wales

(PSBA)

Sessions initiated in N3, "Any N3" through "Any port" but to early adopter IP addresses only

Early adopters

- CETL4HealthNE: University of Newcastle with University and NHS partners in NE of England
- University of Bristol & UWE / Clinical Academies in NHS
- University of Birmingham
- Wellcome Trust Sanger Institute
- University of Edinburgh, now also including SINAPSE
- University of York
- JANET Videoconferencing Service (JVCS)
- University of Salford
- University of Leeds (for NIHR)
- University of Plymouth
- South Devon Healthcare NHS Foundation Trust (as far as CfH approval for use of JANET Roaming)

Categories of Benefit

1. Removing the need for University lease lines to NHS Trust sites

2. Removing traffic from the N3 internet Gateway

3. More Flexible Firewall Rules for access to JANET connected sites

4. Co-ordinated Service Over-lay
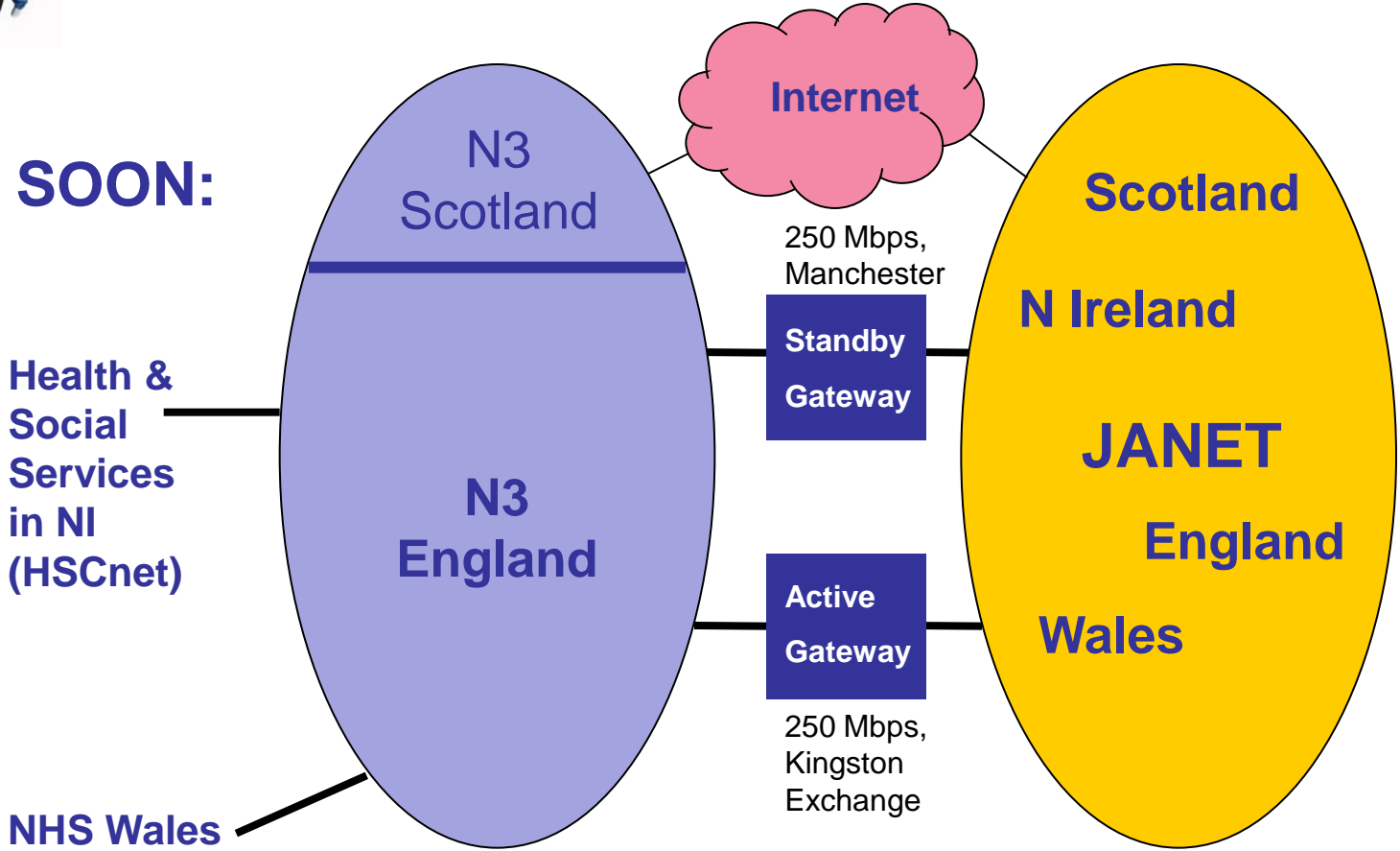
5. New Appropriate Access…..

.......built into the Business Case for:

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

VERY SOON:

Internet

N3
Scotland

250 Mbps,
Manchester

Standby

Gateway

**Health &
Social
Services
in NI
(HSCnet)**

**N3
England**

Active

Gateway

250 Mbps,
Kingston
Exchange

Scotland

N Ireland

JANET

England

Wales

NHS Wales

(PSBA)

The New N3 Gateway(s)

- The new N3 JANET Gateway Service is being implemented:
    - Very soon = latest plan is 15th June
    - 2 Gateways at 250 Mbps active/standby
    - Joint funded with DH/Connecting for Health
    - MoU Between DH, NNSS and JANET(UK)
    - All N3 JANET traffic (sessions initiated in N3, routed away from internet G/way)
    - Contract for 5 years
    - Full service management by N3

And so……

- Early adopter will carry on until the new Gateway takes over (routing switch handled centrally)
- PIDs to be started in July for follow-on projects:
  - strategic videoconferencing solutions e.g.
    - Interface new N3 vc service with JVCS?
    - IOCOM/Access Grid solution?
  - "sessions initiated in JANET"

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

New PID on sessions initiated in JANET

So it remains to be seen how much the new Gateway service will help:

From Andrew McCreath, Robert Gordon's University:

"Key messages are that while security obviously has to be respected, the blocking of access to University services is becoming a very significant issue for many Universities. I have had complaints from Dean of Faculty level, and also from a member of our Governing Body who is involved with the NHS and is aware of the issues. So, they are not trivial. Some institutions have managed to get around the issues through the provision of Thin Client desktops which seem to be accessible, but that is putting the onus back on the Universities. As some institutions have moved their student e-mail to Microsoft/Google solutions, there seems to be blanket bans on accessing these services in any manner from NHS network, and this is affecting the ability to communicate with (for example) students on placement. We've even, I think, had access to our virtual learning environment affected."

From Andrew McCreath, Robert Gordon's University continued:

> "Fundamentally, leaving aside the technical issues, I'm not clear if <u>at the right level</u> there is recognition that this is a problem, and an authoritative resolve to really approach it jointly or assist with solutions. It sounds more like a "nice to have" in terms of interconnectivity. It also appears that policy and approach may vary from region to region and that is an added difficulty for Universities who place students at a number of NHS sites and are faced with no consistency of approach."

From Andrew McCreath, Robert Gordon's University continued:

What I would like is:

a)   Acknowledgement that given the very close partnership between Universities and NHS organizations in so many areas of research and education, these issues are now a material problem for a number of Universities in their ability to so collaborate.

b)   Quite simply, while students or indeed staff are on placement or otherwise located on NHS sites, they need to be able to access the electronic resources of their home Institution without barriers. This is important to access learning resources, communicate with fellow students/staff/colleagues on various matters which will undoubtedly also assist them in their role in the NHS.

c)   A statement of intent and resolve to achieve this.

Questions?

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Thank you.