

Providing eduroam at Raigmore Hospital

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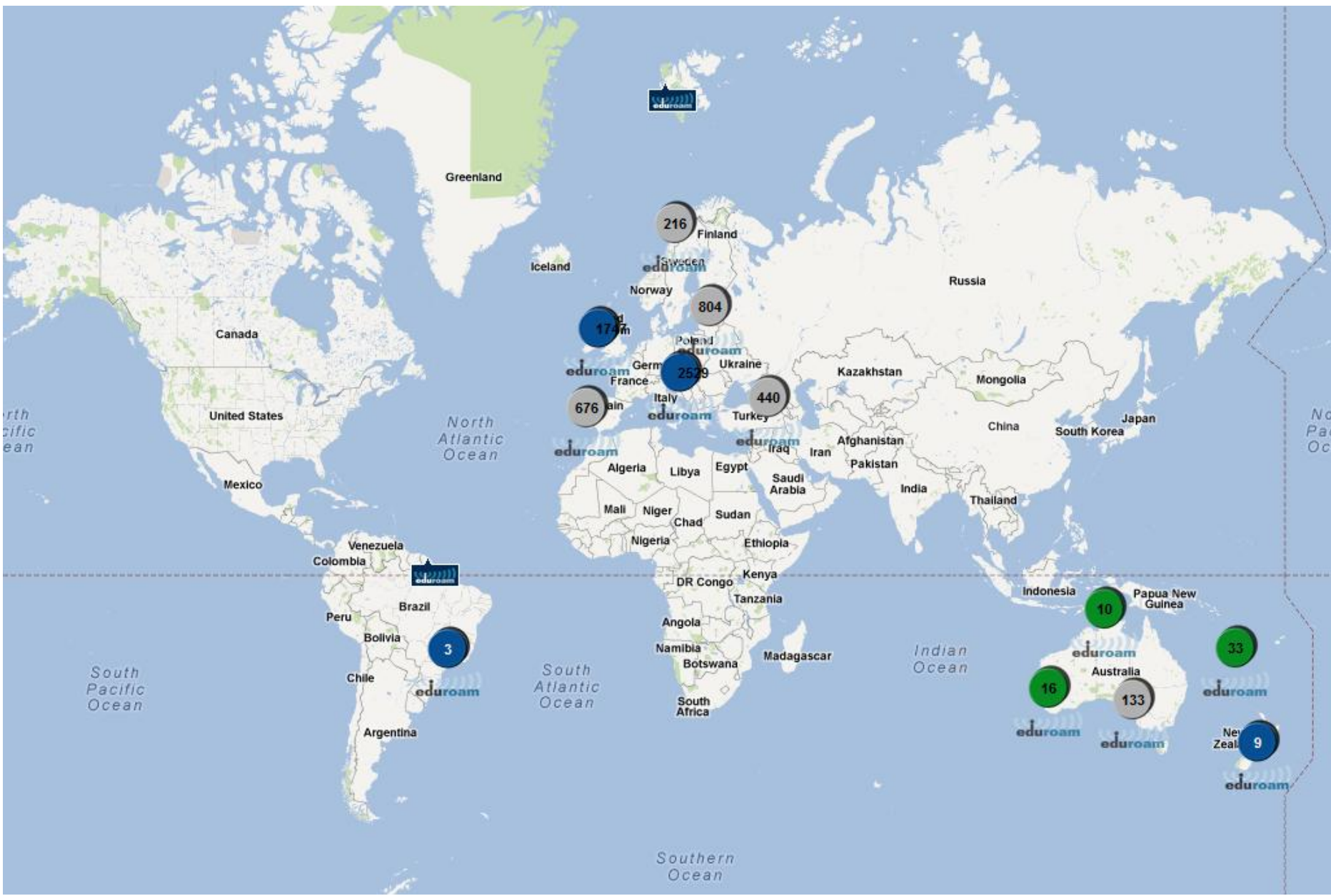


- What is eduroam
- Sharing Resources
- How does eduroam work
- The challenges at Raigmore
- The Solution at Raigmore
- Still to do
- Questions

What is eduroam ?

eduroam (**education roaming**) is the secure, world-wide roaming access service developed for the international research and education community.

eduroam allows students, researchers and staff from participating institutions to obtain Internet connectivity across campus and when visiting other participating institutions by simply opening their laptop.



- Provides a mechanism for a user, visiting another organisations site, to access the Internet using their home site credentials.
- 2 types of site
 - Home : provide authentication services for their users when roaming.
 - Visited : provide network access to users visiting the site, authenticated by their home service.

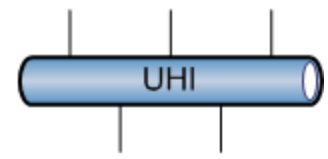
Sharing Resources

- A single wireless system in each building, shared by all occupants.
- Enterprise systems are designed to operate this way.

How does it work

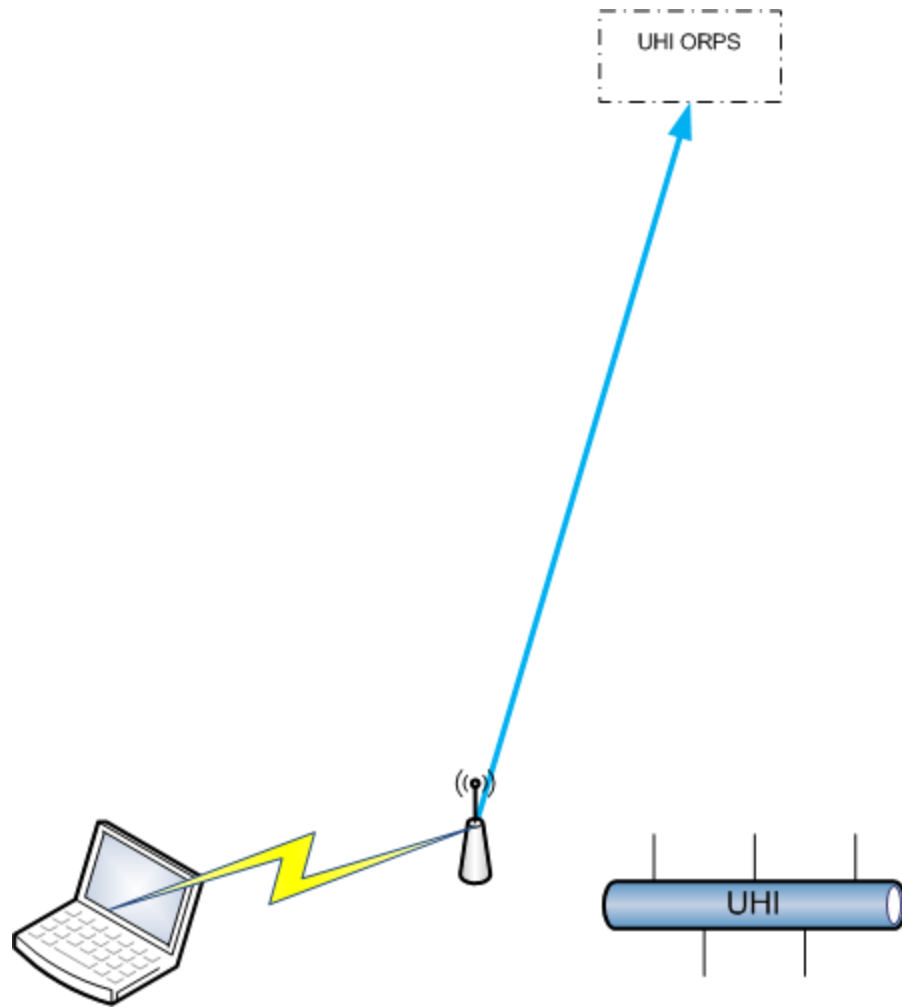
- Simple authentication

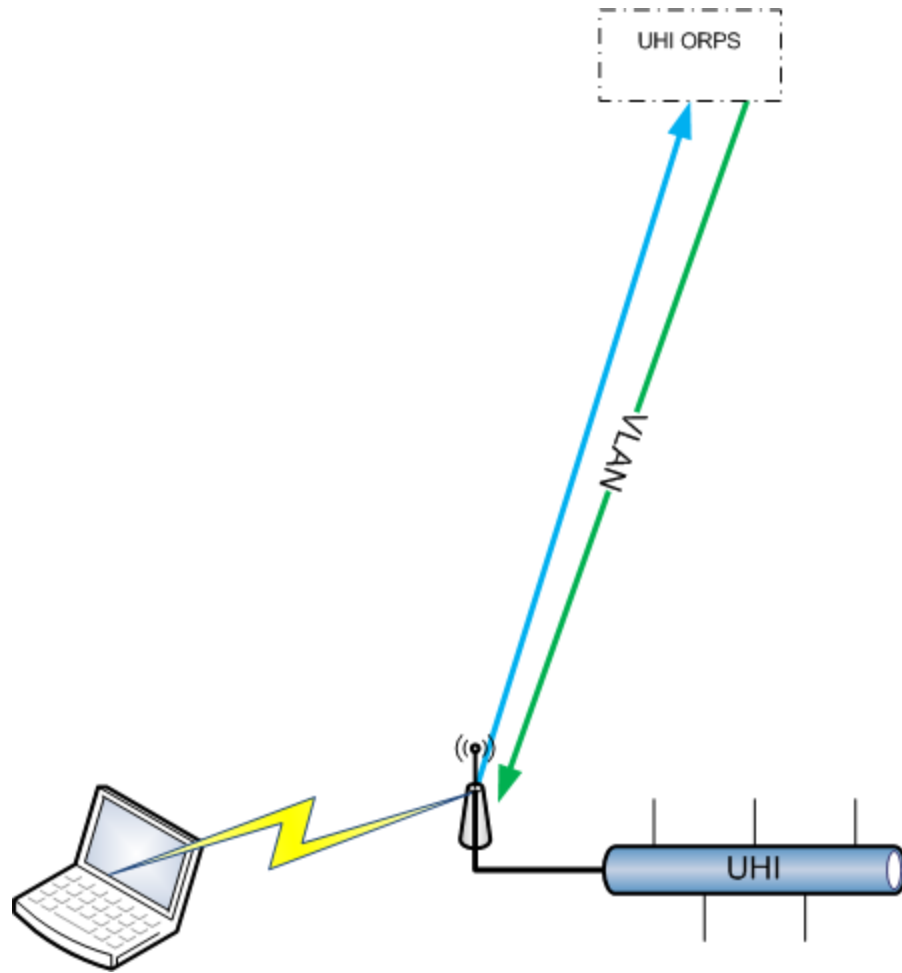
UHI ORPS



UHI ORPS

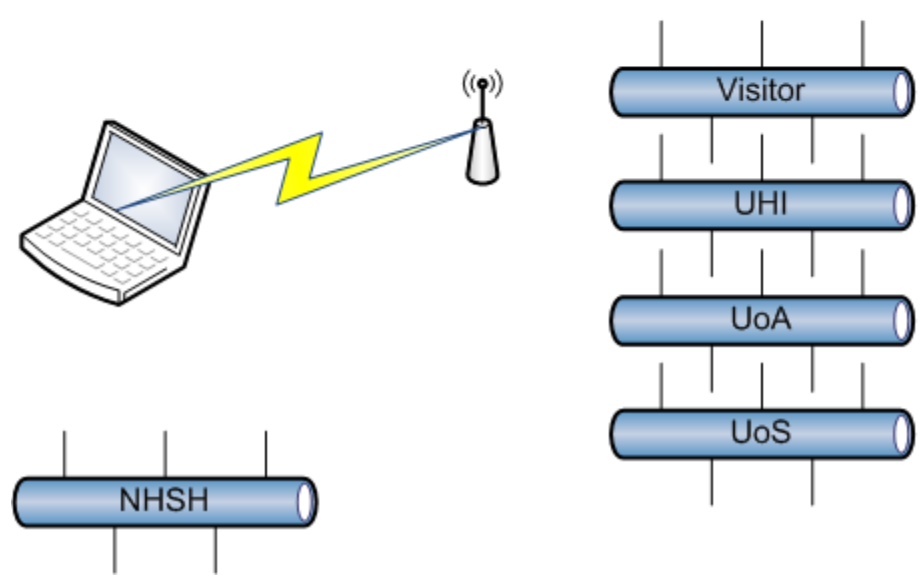
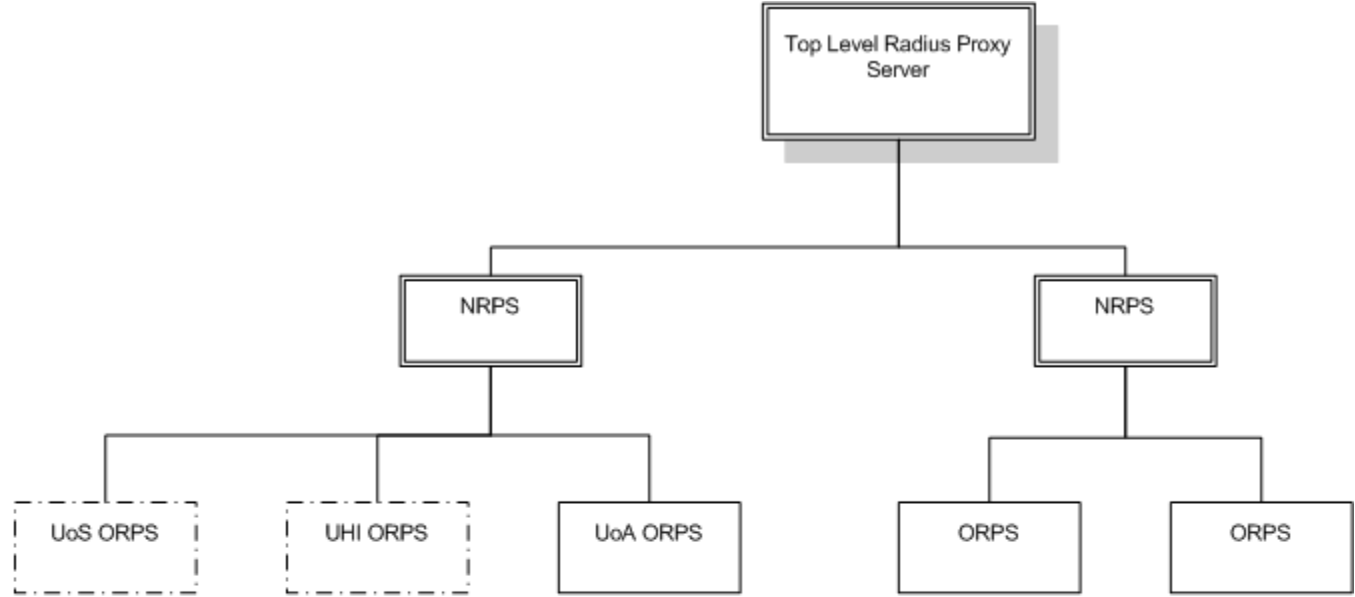


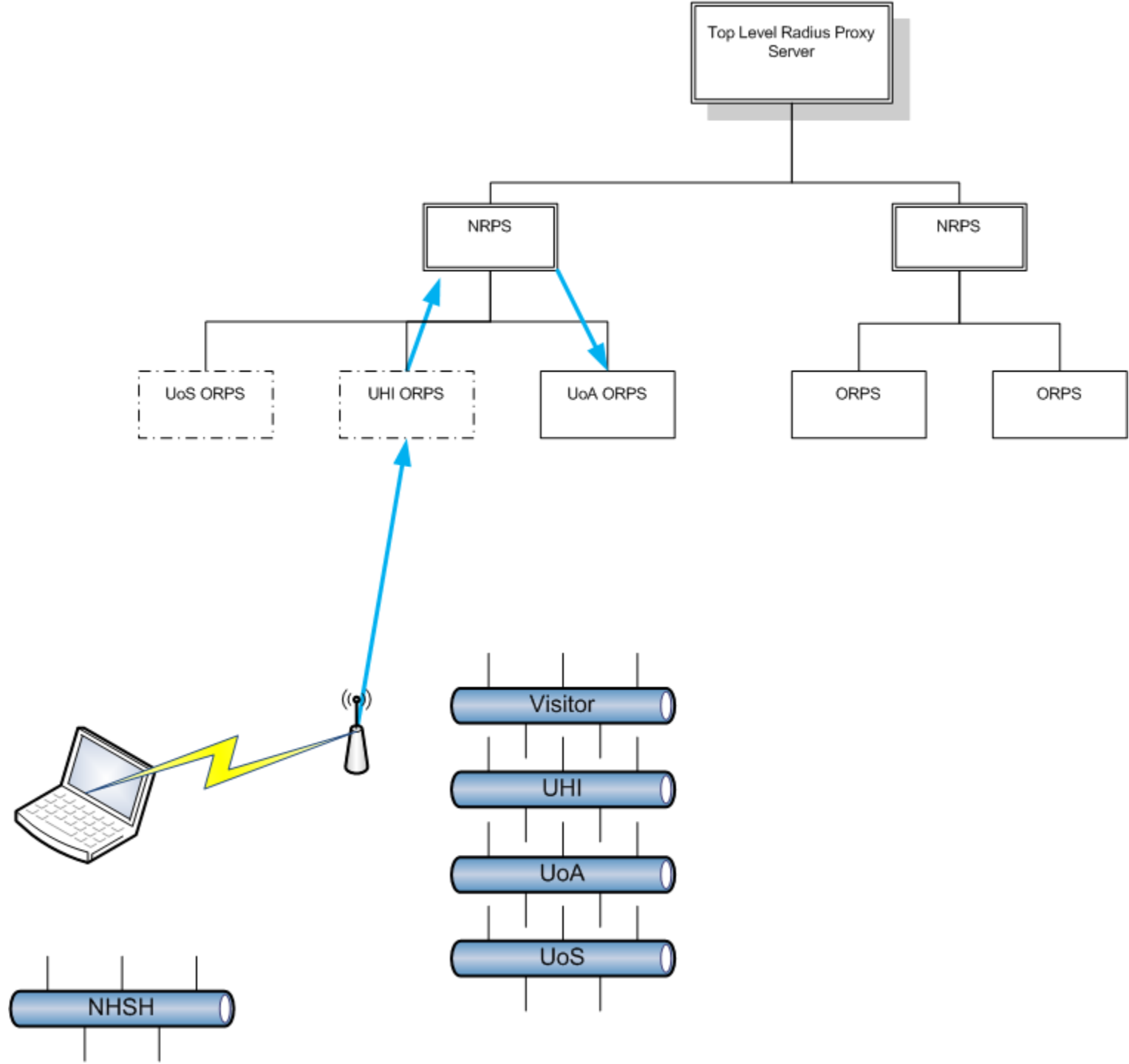


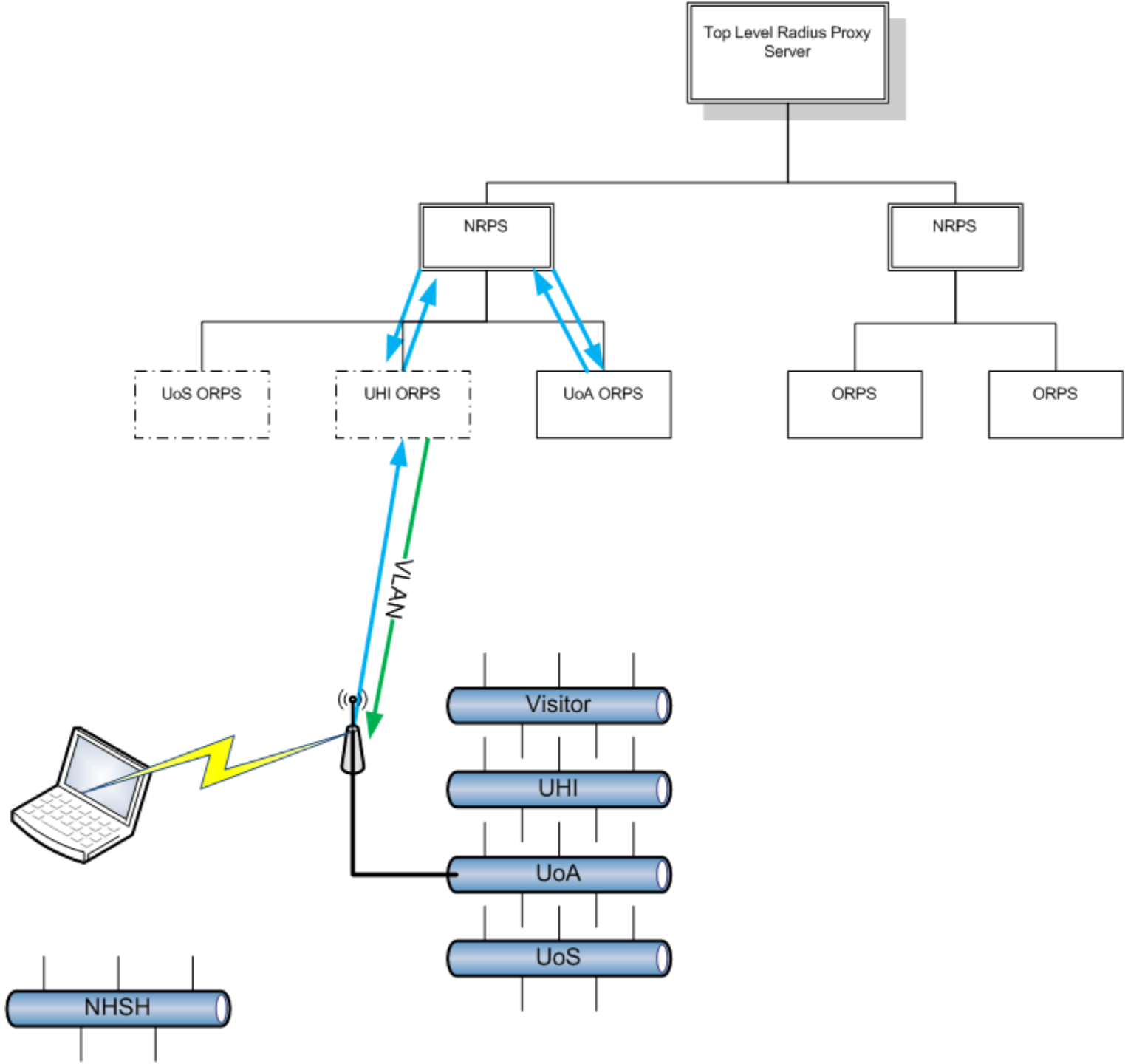


How does it work

- Federation of organisations





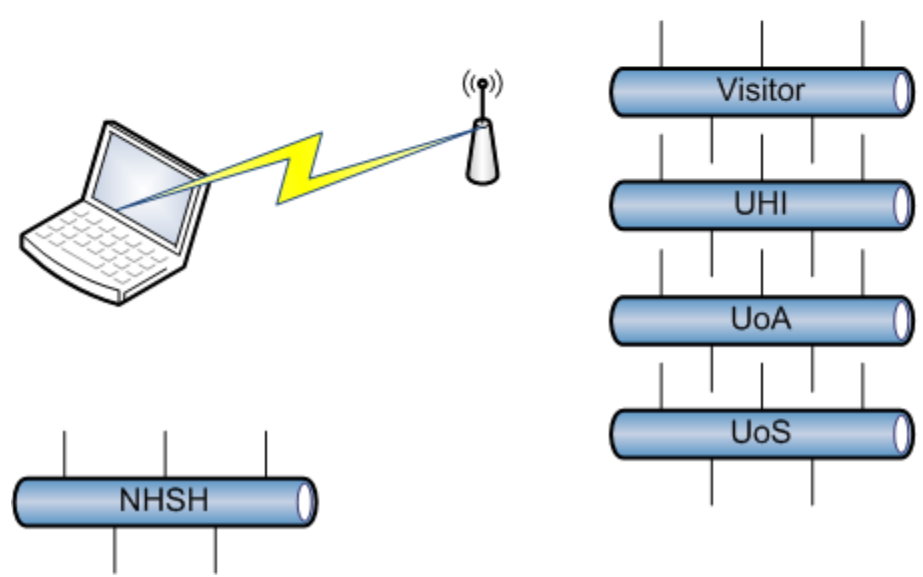
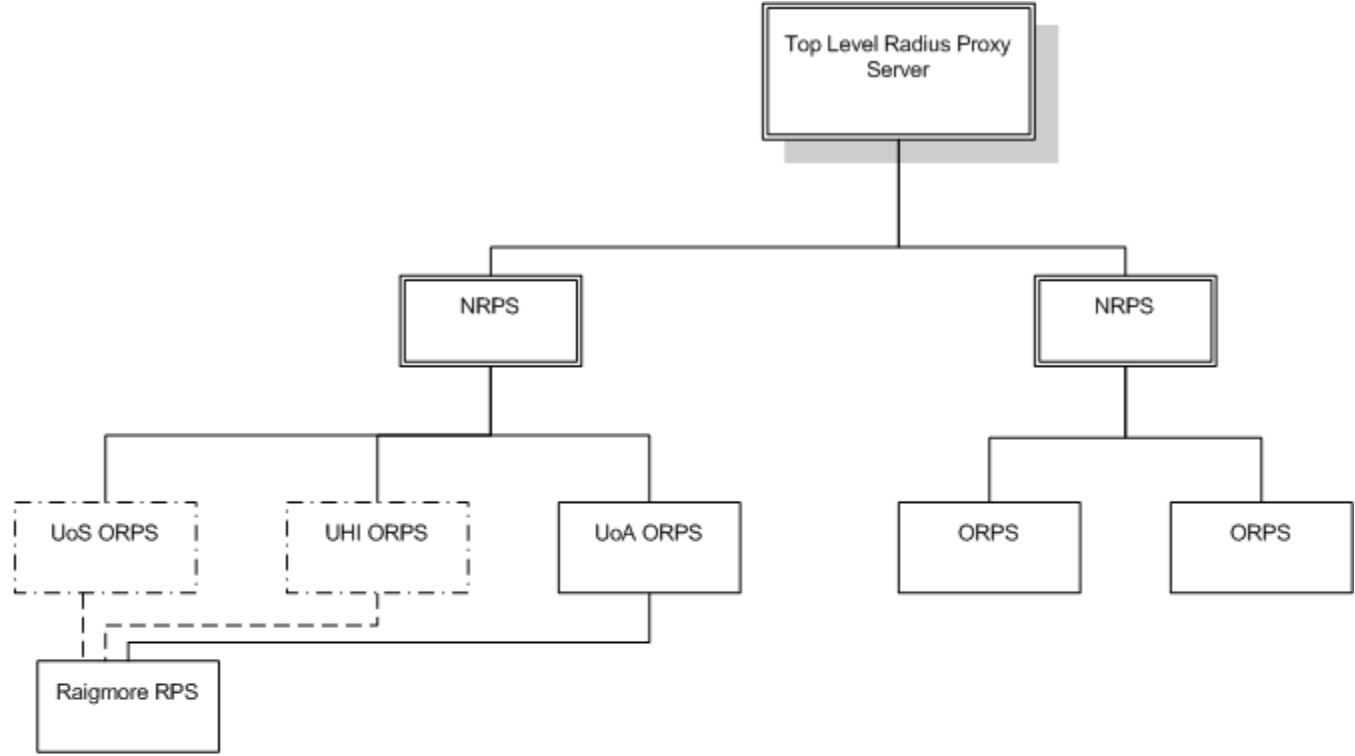


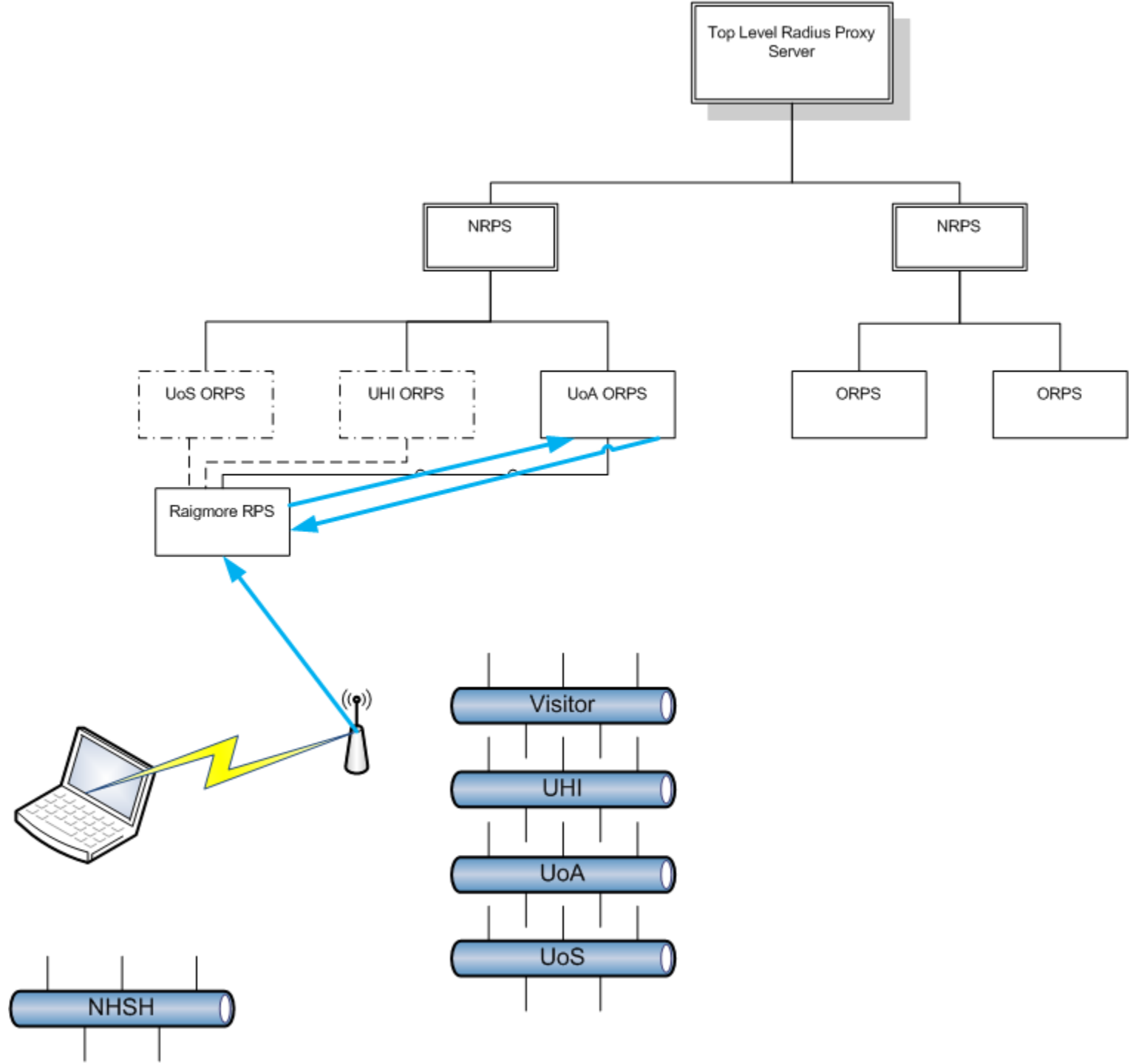


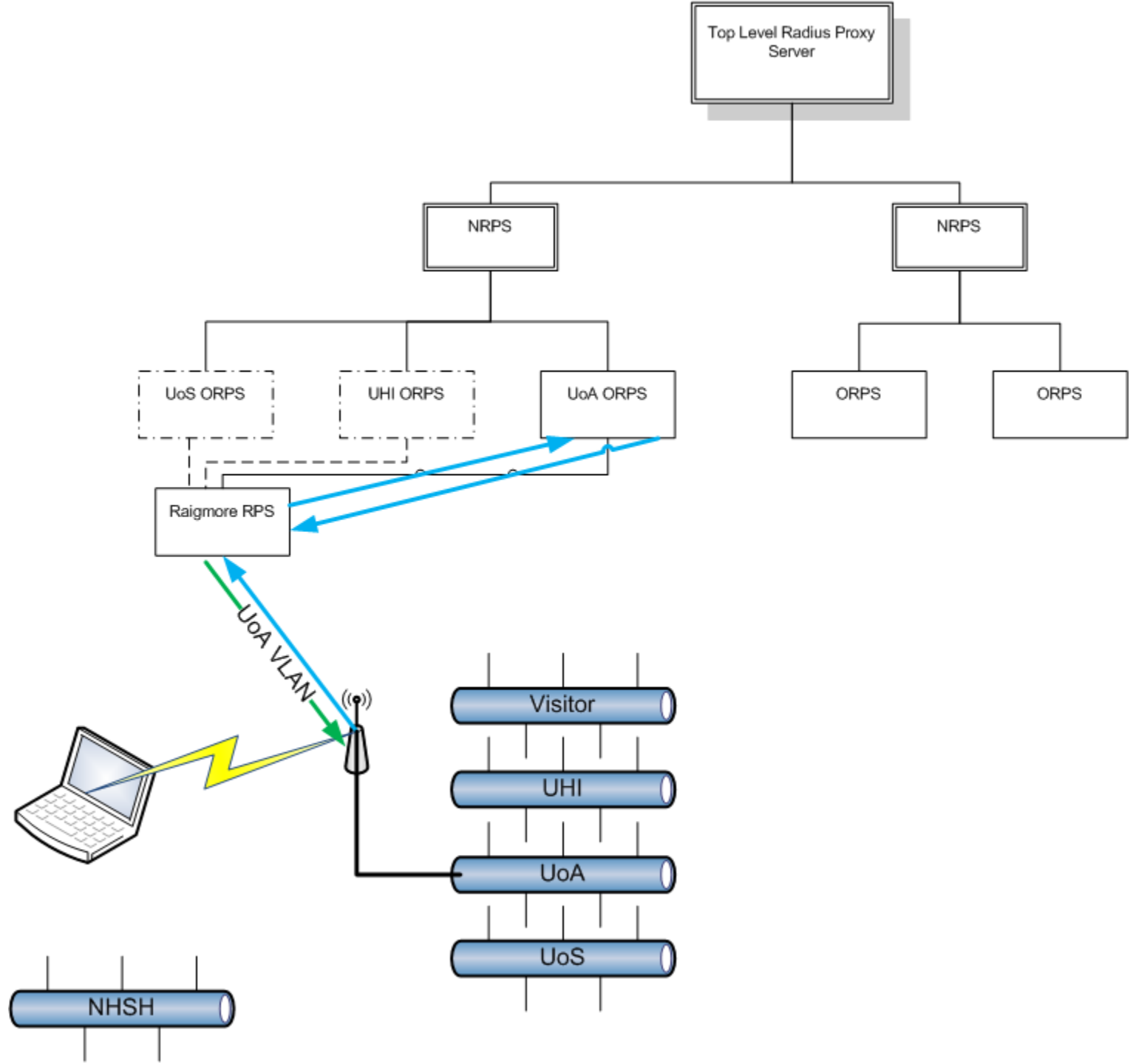
- Several flavours
 - e.g. web proxy required
 - Access to local resources
- Standard SSID
- UoA use eduroam as the ‘standard’ wireless service.
- Raigmore site challenges
 - Several organisations based there
 - UoA not the MAN operator

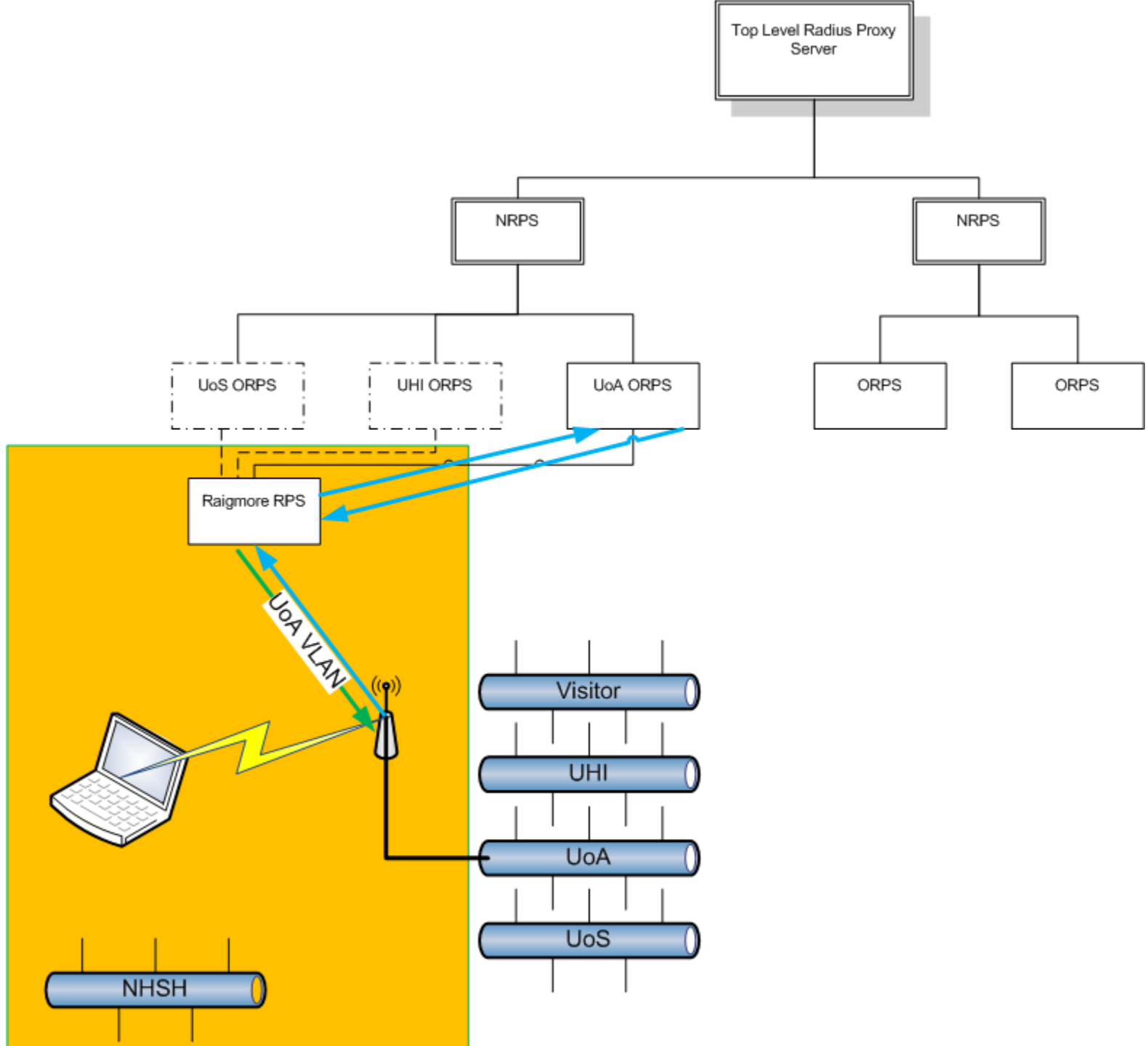
How to make it work

- Who's Radius Proxy Server to use?
- Need to trust the Proxy Servers VLAN assignment.
- The Solution





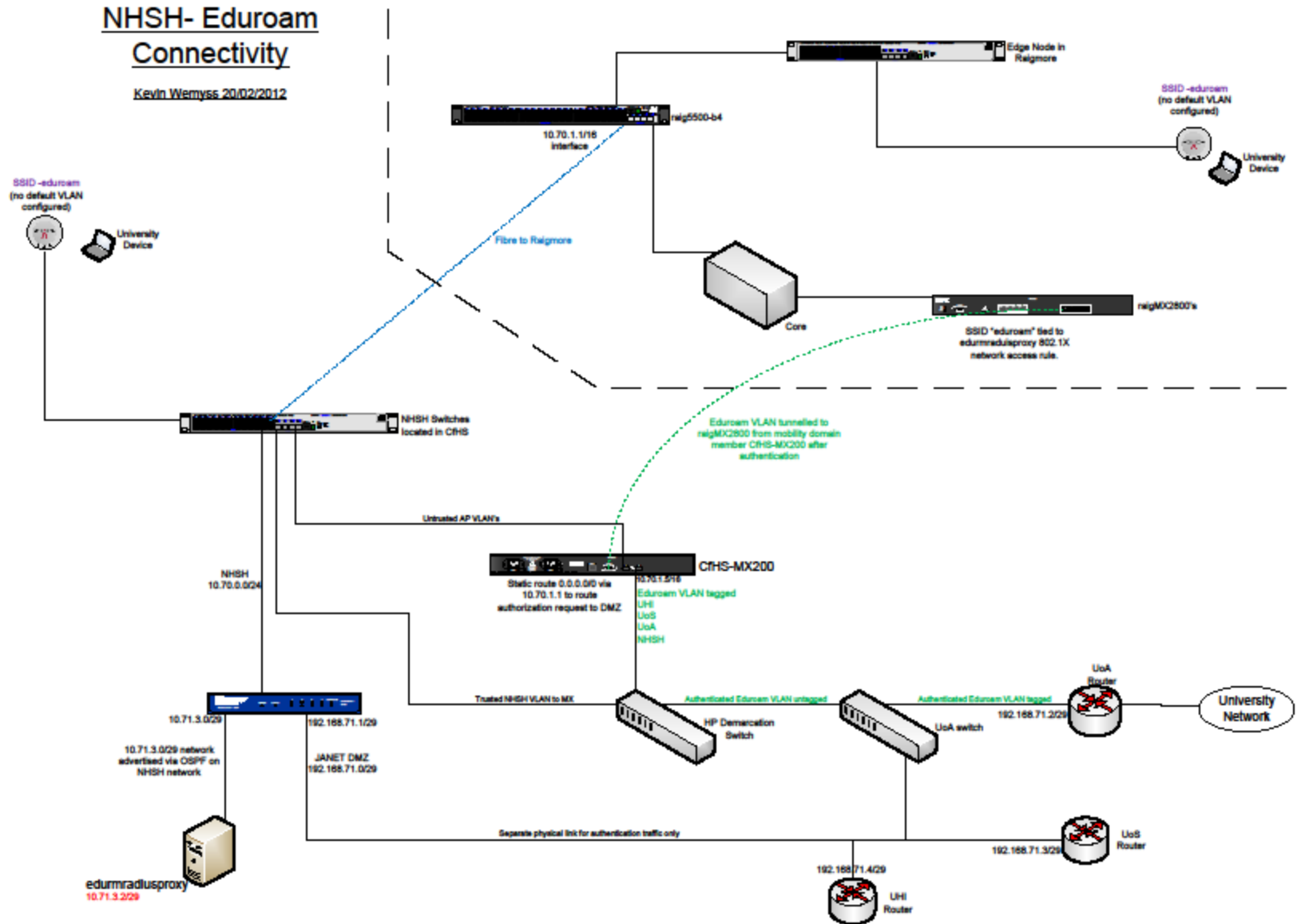




How its put together

NHSH- Eduroam Connectivity

Kevin Wemyss 20/02/2012



Still to do

- Connect UHI and University of Stirling.

Thanks

- Colleagues at:
 - NHS
 - UHI
 - University of Stirling

Questions

