

# NetLab:

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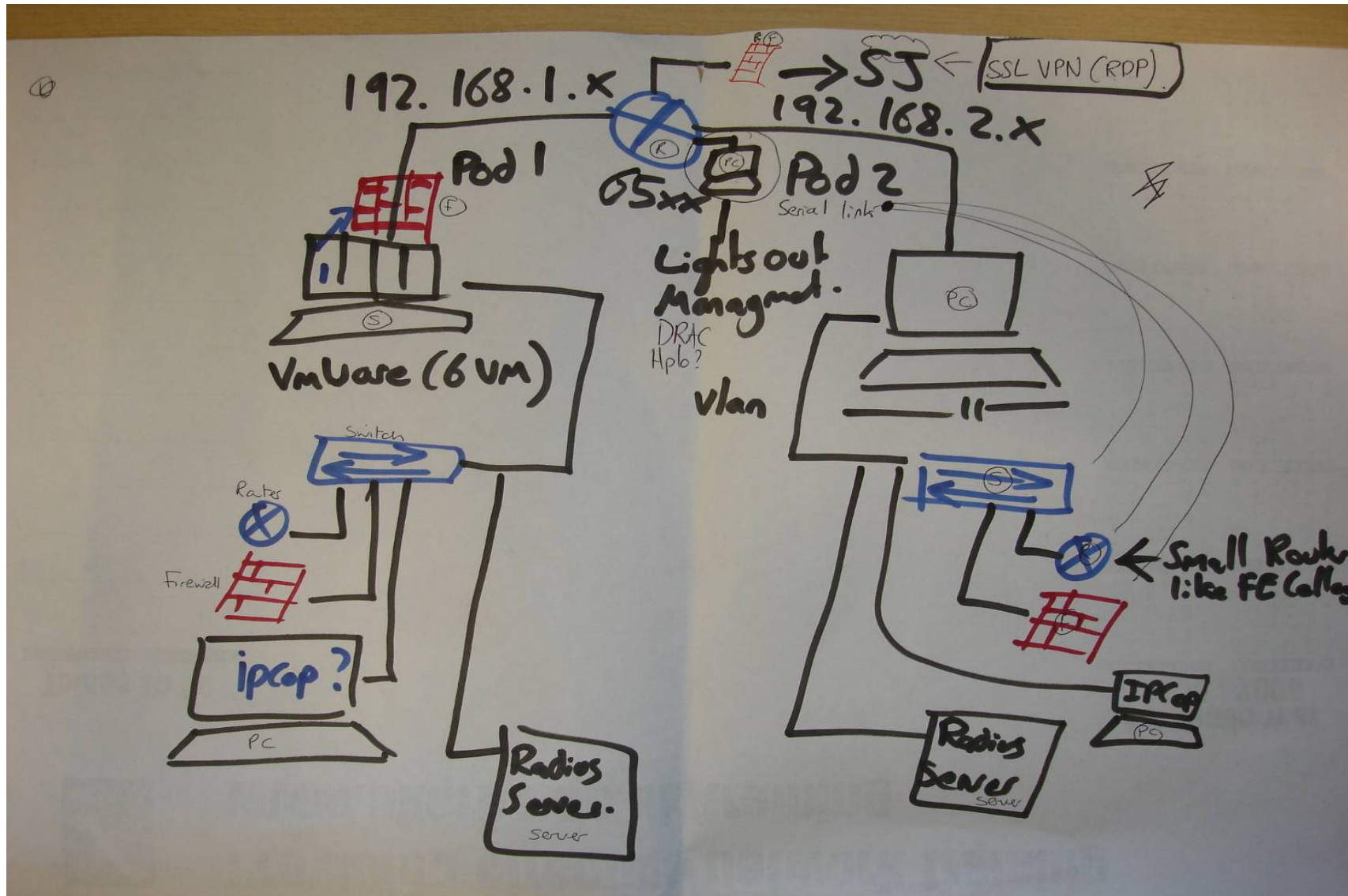
**The creation of a virtual  
network for training activities**

**Duncan Rogerson &  
Matthew Cook**

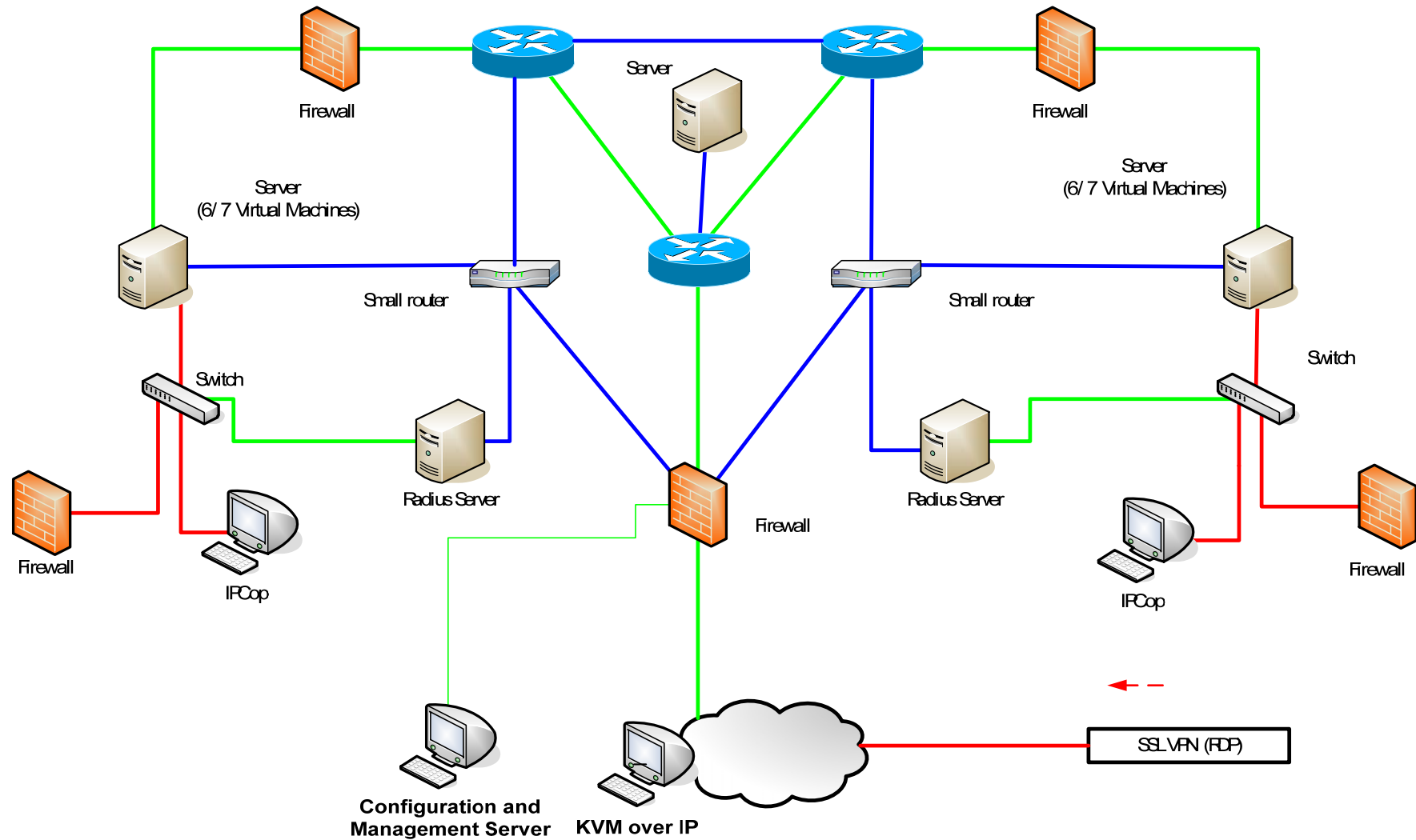
# Background



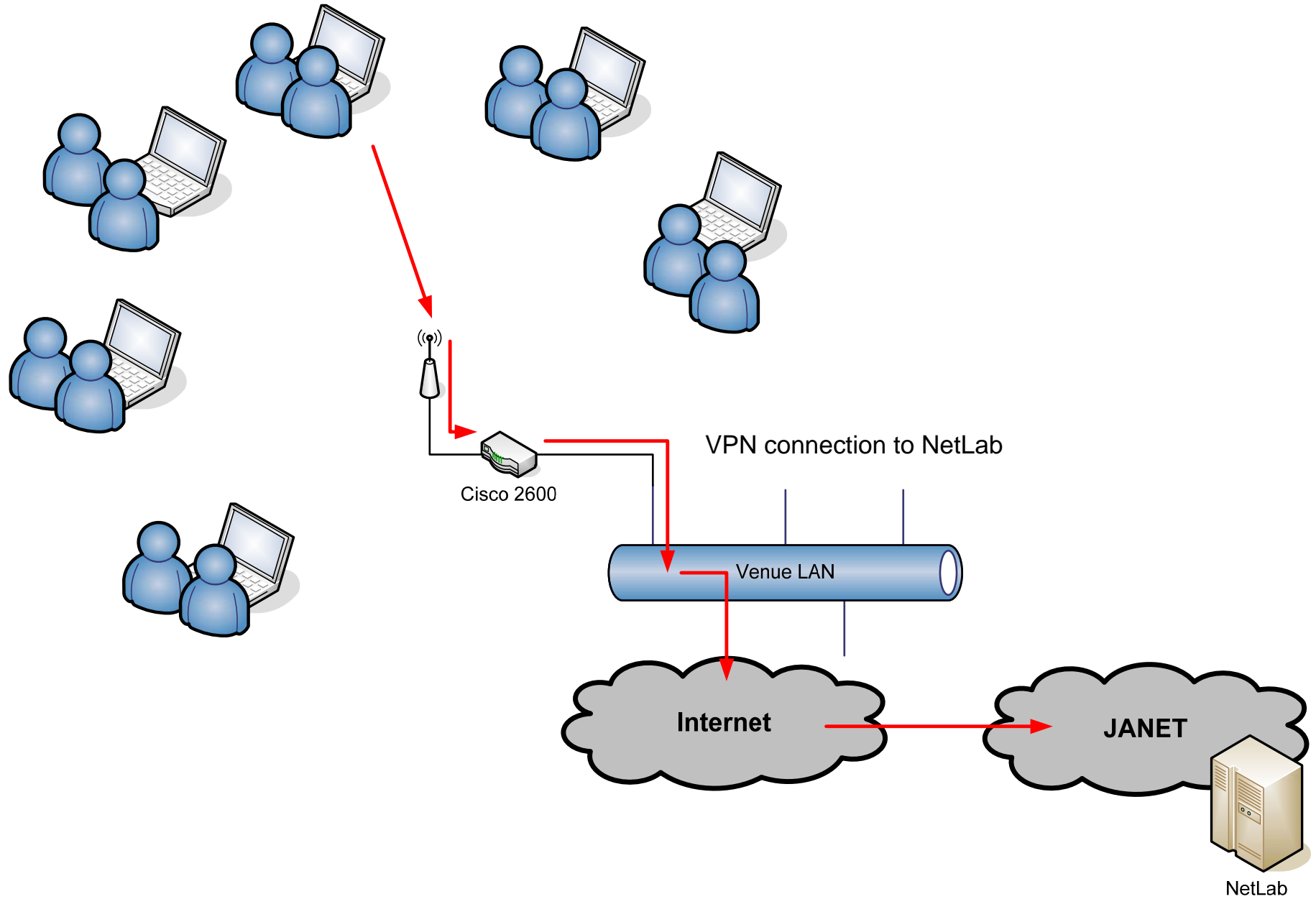
# Starting Point



# Recent Topology



# At a venue



# Potential Uses in New Courses

## **Firewalls**

Configuration of real firewall hardware. Write firewall rules and see the effect in real time!

## **Roaming**

Configuring and deploying the infrastructure to join the JRS

## **IPv6**

Hands-on configuration of networking and services for IPv6

## **Multicast**

Understanding multicast deployment and troubleshooting

## **UK Federation**

Understanding and configuring a Shibboleth IdP as part of a test federation

# Where next?

- Short term
  - Implementation in the next few months
  - Activities developed for courses
  - NetLab trialled on courses in Summer
- Longer term
  - Hardware expanded for other courses

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## Questions

<http://www.janet.ac.uk/training/>