



Cloud computing and NSMS services to support research activities

Jon Hutchings



Oxford University Computing Services

13 Banbury Rd Oxford OX2 6NN

+ Cloud and Services from NSMS

Topics:

- Private Cloud
- Virtual DataCentres
- Virtual Machine Rental
- Other NSMS services for Research



+ Private Cloud

- Scalable Resources + Self service + Isolated Multiple Tenants = Cloud
- Makes IT costs very predictable.
- Costs are very apparent, no hidden charges.
- Ideal when working out research funding.
- Traditionally required outsourcing outside the university.



+ Private Cloud



- Your Private Cloud:
 - Built on industry leading VMware technology
 - Secure isolated multi-tenant environment
 - Full reporting of resource utilization
 - Designed to work with other institution clouds in the future if desired.
 - Scalable services from small research projects to large faculty facilities
 - Your research is precious - why risk it?

+ Service: Virtual DataCentre (VDC)



- A scalable pool of resource (compute, storage) to provision virtual machines from.
- A secure and resilient environment
- A predictable cost IT platform
- Ideal if you want to provision 8+ systems

+ VDC Pricing



Small

- 10 GHz, 20GB RAM, 500GB storage
- £330 per month

Medium

- 20GHz, 40GB RAM, 1TB Storage
- £660 per month

Large

- 30GHz, 60GB RAM, 1.5TB storage
- £990 per month

All sizes get a individual subnet of 16 (11 useable) public ip addresses, more by negotiation.

Also registered as a small research facility - contact us for SRF prices

+ Service: Virtual Machine Rental

- One or more virtual machines, can be scaled to meet your requirements
- Ideal for short term projects.
- Predicable costing helps with funding application.
- Ideal for replacing 1 to 5 systems.
- Only pay for the systems during the phase of your research that requires them.
- Your research is precious - why host it on a PC on your desk?

+ Virtual Machine Rental Pricing

- £35 per month
 - 2GB RAM
 - 1 vCPU
 - 50GB storage
 - 1 Network connection



+ NSMS Services to support Research

- Full management of individual or multiple server systems (Windows / Linux / Mac OS X)
- Website Hosting
- Firewall management
- VMware consultancy
- Managed OS X Desktop service
- many more... see www.oucs.ox.ac.uk/nsms



+ Q&A / Demo

