



## Barnsley College

Serv-IT Consulting Ltd provides Virtual Desktop Infrastructure using VMware.

### Challenge

Barnsley College having already consolidated 36 separate IBM servers down to 2 hosts to deliver its IT infrastructure to staff and students the attention turned to the 1,500 pc's on their network.

### Requirements

Key issues to resolve included the consolidation of over 50 different PC desktop profiles  
Centralise the management of the desktop infrastructure  
Create a fully locked down thin client environment

### Solution

Serv-IT Consulting Ltd designed and implemented a user environment using Wyse thin Client technology. VMware Virtual Desktop Infrastructure provides the ability to host and centrally manage desktop virtual machines in the datacenter while giving end users a full PC desktop experience. The total storage requirement was around 1TB on a DS2400 provided through an IBM BladeCenter and IBM blades.

### Mr Kendrick, I.T. Manager of Barnsley College says:-

*"Barnsley College traditionally uses desktop PCs which are ghosted, every area of learning has a different image thus making the control of images etc extremely difficult. Together with Serv-IT Consulting we rolled out VDI desktops for the Learning resource centres and business training machines. Now through VMware VDI Infrastructure we have the ability to roll out as many images as required in a simplified manner to a number of different areas.*

*Control of student PCs is now easier and more cost effective. Senior management like the low power consumption of the terminals and simplified maintenance of the desktops means that engineers have more time to deal with the real issues affecting the network."*

### Benefits

The consolidation of the images was so effective that 50 profiles were cut down to 3 core profiles. PC rollout complications entirely disappeared with the maintenance of the original image assured and a 2 ½ hour build time reduced to just 3 minutes. The security enhancement has been so successful that the thin clients are locked down to the extent that they would be entirely useless if they were stolen. Maintenance of the pc environment now consists of replacement of a faulty client on the desk and refreshing the image to that user. True centralised management of the desktop has been achieved.

### Serv-IT Consulting Ltd

Serv-IT Consulting Ltd specialises in the design and implementation of virtual infrastructures to public and private sector clients. Our expertise ranges across business sizes and types. We work nationally and consult and support our clients in a professional, knowledgeable and courteous way.

Key technology partners include VMware, Citrix Systems, Microsoft, Vizioncore and AppSense.

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## Case Study Overview

### Results

Reduction in maintenance costs  
New desktops deployed in 3 minutes  
Highly secure infrastructure  
Increased motivation and retention of IT Staff  
Improved user experience  
Improved systems management

### Technologies Used

IBM e-server BladeCenter Chassis "H"  
IBM e-server BladeCenter HS21 quad processor 2.5GHz x3  
1TB of SAN storage in a DS4000 dual controller storage system  
VMware VDI 2.0  
Microsoft Windows Remote App 2008  
Microsoft Windows XP Pro SP3

### Timeframe

November 2008

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