

Chiseldon Primary School

Virtualized environment implemented, clean up of file securities and permissions, pupils able to work even when snowed in!



Customer Situation

Chiseldon Primary School focuses on children from 5 to 11 years old.

The Headteacher and governing body at Chiseldon Primary School understood the restrictions and problems that occurred with their original system. Due to the school's expansion and the increased involvement that IT has in the national curriculum, they realised that something had to be done to bring the school's ICT forward.

Solution

Due to the strict and thorough processes school's have to undergo before taking on new suppliers, multiple IT providers were brought in to discuss Chiseldon Primary's requirements. Claire Dean, Senior IT Consultant for enviz IT set out the requirements as they were put forward to her and set about providing a solution. Their chief requirements were a focus on reducing their impact on the environment, reducing costs and to be innovative.

The conclusion, after a series of thorough discussions, was to apply a virtualised server and desktop environment as well as implement a recycle system to recondition all of the decommissioned workstations around the school.

Virtualization

To immediately reduce costs, a single physical server was implemented where 2 virtual servers would sit. The second virtual server was configured with Remote Desktop Services, which allowed enviz to virtualise all of the school's applications reducing the workload and footprint of the local workstations as well as improving the ease of maintenance.

Workstation recycle

Due to the implementation of Remote Desktop Services and the virtualisation of the school's applications, the old lower powered systems could be used. Therefore, this allowed the school to recycle all of their old workstations as well as removing the need to purchase any new systems.

Solution Overview

Customer Profile :: Chiseldon Primary School is a primary school based on the outskirts of Swindon with just under 200 pupils.

Country :: UK

Industry :: Education

Situation :: The school realised and wanted to react to the increased involvement that IT has in the National Curriculum.

Solution :: Implementing a complete virtualised desktop and server environment.

Products used ::

- Microsoft Server 2008 R2 x2
- Microsoft Remote Desktop Services
- Microsoft Windows System Update Software
- Microsoft Windows XPSP3
- VmWare EsXi HyperVisor
- Microsoft Windows 7 Pro
- Microsoft Office 2007
- AVG Business Edition



Increasing energy efficiency

By virtualising the server, the school now only needed to power one physical server instead of two. Not only this, but an auto start up and shut down sequence was applied which meant that at 8.30am each weekday morning all of the school's systems would power on ready for the school to use. Similarly each day at 6.30pm, all the school's systems would power off while the school was closed to save power.

Remote use

App Pens were also introduced allowing the school's pupils to easily and securely access all of their school applications from their home PCs.

“We have been on an incredible journey with the help of our partners at enviz IT and we are looking forward to others seeing what the children and staff have been able to do as a result of this partnership.

enviz IT have certainly gone above and beyond to make that happen for us.”

John Dickens

Headteacher
Chiseldon Primary School