

Students Gain Improved Accessibility

Paulo Freire, located in Oosterhout, Netherlands provides primary education to students in group one through eight. Its teachers and administrators are committed to delivering the essential knowledge that will enable their students to succeed in a diverse, global world where information technology is becoming a core component in not only education but in every day life.

Replace Obsolete PC Desktops

Prior to introducing desktop virtualization, classrooms were equipped with PC desktops that overtime would inevitably become obsolete and unreliable. Like most institutions, IT budgets and support resources were limited and as result Paulo Freire focused its efforts on identifying a simple and cost effective solution that would seamlessly replace the outdated computer hardware and provide students with increased computing access.

Paulo Freire partnered with DataByte, an NComputing reseller, to evaluate and test various virtualization products. At the conclusion of their testing, NComputing was identified as the preferred solution. The school purchased 6 Dell PCs, 25 X-series virtual desktops, and 20 L300 virtual desktops, creating a total of 45 terminal workstations. The results were immediate and impressive. The new X-series configuration supported a ratio of 4 users connected to every host computer. In addition the L300 configuration supported a ratio of 18 users connected to every host computer.



NComputing virtual desktops provide a more affordable and better desktop experience compared to other thin clients because of its proprietary software (vSpace desktop management) and unified protocol (UXP) and hardware access devices. Today's PCs are so powerful that the majority of applications only use a small fraction of the computer's capacity. NComputing's award-winning vSpace™ Server provides each user with an individual rich multimedia computing experience. Paulo Freire has scheduled each host server to power on in the morning and power down in the afternoon to save energy and eliminate any wait times when students first power up in the lab. Each student's monitor, keyboard, and mouse are connected to the shared PC through a small and very durable NComputing virtual desktop device. The access device itself has no CPU, memory, or moving parts—so it's rugged, reliable, and easy to deploy and maintain.

Challenge

Provide increased computing access to students while also lowering power consumption and electricity costs.

Solution

Deployed 6 Dell PCs, 25 X-series virtual desktop, and 20 L300 virtual desktops, creating 45 terminal workstations

Results

- X-series configuration supported ratio of 4 users to each host computer
- L300 configuration supported a ratio of 18 users to each host server
- Reduction in deployment costs by more than 50%
- Realized savings of 200€ per year in energy costs and reduced maintenance costs
- Adoption of green desktop virtualization technology has created a more engaged and innovative learning environment for both students and teachers

Partner

DataByte, an NComputing reseller assisted Paulo Freire with the deployment