

## **Implementing a virtual server network: It's more than just hardware, software, and savings--- It's about "going green"**

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### **Abstract:**

During the past year Roanoke College has implemented a virtual server network that includes HP ProLiant BL460c blade servers, an iSCSI SAN and VMWare ESX server 3.0. This presentation will show how implementing this system was expensive initially when compared against purchasing standard servers; however the return on investment has been extremely short. The new system has allowed the college to quickly deploy new servers without any additional cost; deploy the systems within hours instead of weeks; reduce power consumption; reduce the need for network resources; and offer a highly available network with little downtime. I will discuss the concerns and processes we experienced in implementing our system. I will also demonstrate how our blade servers and virtual server network is managed and how it will be used to expand our network services in the future. Finally, I will explain how all of this has contributed to our college "going green".

**Note:** This paper was not available when the proceedings went to print. The author will provide handouts at the conference or via the web or email.