

IMPLEMENTATION OF VIRTUAL ENVIRONMENT IN THE E-LEARNING TEACHING

Summary: The paper presents the design concept virtualized and integrated environment offering the opportunity to work remotely students studying in e-learning. It uses the latest technologies to build, manage IT environment and ensure safety. The paper presents the design and pilot implementation for a small group of users. It creates an environment tailored to the needs of the course for specialized studies that benefit from hardware support blade servers as a scalable, highly reliable database that maintains the hardware virtualization environment. The specificity of building a virtual environment sets high technological requirements for infrastructure, in particular for storage that must have a large capacity, low access times and high data transfer.

Keywords: virtualization systems, network virtualization, virtualization environment, virtual environment operating systems, virtual machines, e-learning