

# **MODELING OF ACCESS TO VARIOUS ENVIRONMENTS OF OPERATING SYSTEMS, SERVERS AND APPLICATIONS**

Summary - The work discusses the use of the latest technology in the construction and management of environmental information for the construction of a network of laboratories of virtual organization of activities in distant geographical locations. Building of infrastructure VOA laboratories requires binding of hardware and software technologies to the construction and management of environmental information from a number of network services that enable the implementation of the individual and full access to the diverse environment of operating systems, servers, and application performance. The concept of a single network access to the information infrastructure is that the users use the virtual environment of operating systems and computer networks, both during the work carried out in laboratories on campus and in their own independent work outside the University network. Then, created is adapted to the current needs of the environment, which uses hardware support Blade (blade) which are scalable, high-reliability hardware base to maintain the environment of virtualization. Specific of grid system access to a virtual machine requires certain activities offered the services of both Web applications and the consistency and redundancy of data collection in the form of replicas and low-level data redundancy solutions.