

UAPO - Introduction to administration of computers and operating systems

Virtualization

I was asked to objectively evaluate the work on virtual machines in the administration of the course Introduction to administration of computers and operating systems. We were there to learn a little about the administration and management of computer operating system on virtual machines implemented on the resources and tools from VMware.

We started so that we get access to our data and the virtual machine via the client vSphere we had to get this machine to work and start dreaming. Our task was simple, we had to install Windows Vista operating system and configure it for normal use by multiple users.

I regret a little that we could not handle the longer vSphere client and explain the function and its possible use overall virtualization. The course was designed differently, however, rather than for beginners or not for computer science students, so to know the basics of installation and administration of the operating system.

Using vSphere client we have installed all my operating system, and we began to administer it. Excellent for this was that I would not necessarily go to school, but I was able to perform all assigned tasks from home, when I had time.

The beginning was not quite simple for any particular installation of Windows Vista has proven very problematic, both in time and also the demands on hardware resources. First saved us pause button in the client vSphere during custom installation. Later, we rescued the assistant lecturer, when additionally raiser disk quotas, which fortunately was a matter of two minutes. When one student after installing the operating system took 10 gigabytes, the same installation to another student took more than 20 gigabytes of disk space. Here, I think more appropriately chosen operating system (eg Windows XP) would amply suffice for teaching. Not only has lower demands on disk space, but also on computer performance. Performance of virtual machines is quite sufficient for normal operations. Unfortunately, in our work slowing down and reducing the performance of individual virtual machines. If there was more people registered, the server virtualization performance fell sharply down, so I prefer to work from home at the time of server virtualization least burdened. Eventually we all managed to install the operating system. The assistant lecturer patiently helped only where it was necessary, and mostly because students not paying attention.

The thesis of a virtual machine from a normal computer work differs only minimally. In essence, a typical user will not know the difference. Perhaps the biggest advantage is that the user does not have to hunt for drivers and anything complicated setup. Can the virtual machine to get anywhere. Does not even turn off the virtual machine which certainly saves time.

What a pity that we did not work with another operating system (Linux), but it could easily build UAPO2 object. However, this subject is one of the most practical items for KVD at all. Students finally have the feeling that they learn something that will require you to use, unlike other highly knowledgeable subjects.

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Natural studies - Informatics for Education