

Why do I need it: To reduce the amount of servers you need

What does it do: Allows you do run the work of 2 servers on one

What it cost: In a lot of cases its free.

Where do I put it: On your servers.

First off let me say that Virtualization is one of the best new technologies I have seen in a long time. I believe it will revolutionize the way you think about your network. If you are about to buy a new server if your not asking about Virtualization you are not only making a mistake you are waisting money.

Virtualization is simply this run 2 operating systems and its application on one physical machine. For example lets say you have a Mail server running Linux on one server and a file server running Microsoft 2003 server on another physical server. With Virtualization you can run both of those operating systems and all of their applications on one physical server. So you are thinking, well what do I do with the other one? The same thing and now if one of your 2 physical servers would go down its ok you have a running clone of it.

I know this sounds a little confusing so let me expand on it. The golden rule of virtualization is this you can take an operating system with all its programs and services and make it one file. This file is called a "Virtual Machine". The physical box that is your server can run multiple Virtual Machines.

So back to the 2 server example, you have one physical server running Linux and a second physical server running Microsoft. You convert your Linux operating system into one file "Linux.vm", you then convert your Microsoft operating system into one file called "Microsoft.vm". Understand something here, these .vm files are fully working version of not only your operating system but all of the programs on it.

After installing Virtualization software on the physical box that is your server you can now run both Linux.vm and Microsoft.vm at the same time on 1 physical server. From a back up perspective at this point you could take those .vm files and run them on any box that understands Virtualization. The possibilities become endless.

The glory of Virtualization is simple,

- Use less servers, consolidate them
- Prevent down time, if a server goes down simply move the .vm to another box
- Apply changes in a test environment, before making it available to all users

Your servers are now mobile, a catastrophe has become a minor headache.

Virtualization solutions require thinking about your network in different way. Give us a call at 1-877-884-6626 or email me directly at preston@allsystemsup.net , for a quick conversation over the right solution for your network. We can install these for you with both an onsite visit or remotely with our preconfigured services.

Look into the right technology for your network. Look into ASU to deploy it.