

# NEWSLETTER

## ITECH COMMITTEE

### Get Acquainted With Virtualization Solution



In the present time, there are many powerful software technologies and solutions that are highly capable of changing the way we look at IT landscape. Of all the new technologies available in the market, virtualization has enhanced productivity and flexibility. Primarily, it is really important to understand what exactly virtualization is and how it works. Once you get an idea of the theory behind this, you will easily understand the functions and features of the virtualization solutions.

The term 'virtualization' refers to something that is virtual or not physically existing. It performs hardware virtualization, often called 'full platform virtualization'. It uses the available resources of the system, divides them without interfering, and thus sets a virtual machine that is emulated and abstracted. You can run an operating system on this virtual machine.

VMware is a market leader in virtualization. VMware has a wide variety of these types of solutions including some free solutions that run both on Linux and Microsoft platforms.

VMware Player:

You can download it directly from the official website. This application allows you to run guest virtual machines which are compatible with the products manufactured by VMware. It is one of those applications designed especially for beginners. One of its main advantages is its size. There are occasions where you have to create virtual machine images; however, using this you can just play with the existing images. For such occasions, VMware is a perfect option. However, if you want to create new virtual images and distort those new images then you can make use of third party free utilities like Easy VMX.

VMware Server:

Another product called VMware Server is free and easily available jam-packed with several more features as compared to the player. This version has made it possible to play, edit and create virtual machines in the format compatible with VMware.

VMware Server has few known and widely publicized limitations. Some of these include no support for Fire Wire, lack of 3D hardware alteration support and support of only three mouse buttons

### The Importance of Technology in a Changing World



These days, businesses are more reliant than ever before on technology, to help improve communications and to maximise efficiency in the workplace. The increased use of the internet, email and mobile technology has revolutionised the way companies operate and made IT a critical factor in building and maintaining a successful company. Yet still even today too many companies think of technology as a necessary evil rather than truly embracing all the opportunities it can bring to make organisations more efficient. Now, with the convergence of voice and data and the much greater reliance of mobile communications, it is crucial for all businesses to urgently develop a coordinated IT Strategy.

Of course historically, companies tend to regard telecoms and data networking as being from separate budgets, but because of converging networks and the opportunities that VoIP can offer (Voice over Internet Protocol), it is no longer possible to look at them in isolation. In fact given the increased importance of remote working and the need to make sure all staff work as effectively as possible, these days companies really have no choice. The simple truth is if you don't embrace change now, your competitors will. Increasingly websites that used to be used merely as a "shop window" will now be more integrated with other back office systems. In the airline industry you don't just book your flight online but also choose your seat, order your meal and even "check in". In less than 5 years, airline tickets have become redundant and administrative processes have been radically streamlined to maximise efficiency.

### What Causes a Slow Computer?



We've probably all experienced it at one point or another. You're on your computer and it's just crawling. It's hard to browse the internet, programs are taking forever to open, and you keep having to click that "end now" button when things won't close or freeze up. A slow computer is probably the most common problem people have with their computers besides major hardware malfunctions. There are literally dozens of reasons your computer could be running slow, including viruses, Adware and spyware, hardware specifications, and a damaged operating system.

## Viruses

These sneaky little bugs can get into your computer and really cause some damage. Worms, trojan horses, email viruses, and logic bombs are just a few types of viruses that can get into your computer.

## Adware/Spyware

Adware and spyware are among the most annoying causes of a slow computer. The purpose of Adware and spyware is to get into a computer and eat up the computer's resources (slowing it down a lot) or stealing personal information.

## Will 3D Technology From Theaters Make Its Way to the PC?



New 3D televisions are hitting the market every month, and some channels will begin to broadcast sports and other programs using the technology as early as 2010. That has led many consumers to wonder whether 3D technology will come to the PC. It seems inevitable, as public interest has been so overwhelming despite the occasionally astronomical cost of 3D.

The good news is that PCs are much better suited to three dimensions than a television set, and the tech should be available for gamers and movie fans in only a few short months.

The cards that will be used to offer 3D will also be better suited for computers. PC users will find it easy to justify the cost of an expansion card, as that's exactly what they've been doing with other types of graphics cards for the last two decades. It doesn't hurt that 3D technology is undeniably cool and fun, big assets in the world of computing, where it's not simply a matter of what movies and games are presented, but how they're presented.

Game developers will need to get on board to make 3D a truly universal technology, but there's certainly money to be made with 3D, and major game companies are taking note. As games like Call of Duty sell millions of copies upon their release, there's no shortage

of capital, and several three dimensional games are already being produced. Movies simply needed to be ported over to special DVDs, and will be available and affordable. While time will tell whether 3D will catch on in the television market, it's already a major influence at the box office and seems perfectly suited for home computers.

## All About Green IT



The energy that is available to us through renewable and non-renewable resources is shrinking. There will come a day where those resources are no longer available to us. This is why we must think ahead and take an active approach to this problem. The answer is using the Earth for energy. Not by taking its renewable and non-renewable resources, but we should use the Earth for its natural powers such as wind. Methods like wind power save people on energy costs, and it also saves the Earth's resources. That is why green IT is becoming more and more popular as time goes on.

So, what is green IT? The term refers to environmental computing. Basically, it is the disposal of computer, servers, as well as the manufacturing of computers, servers, monitors, and many other technological devices. The disposal of these products is done much more efficiently. The disposal process is also very friendly to the environment. Since saving the environment is become more and more popular, so has this process. People of the world are becoming more aware of the effect that greenhouse gasses have had on the environment. Global warming has become a big issue, and that is why it is our responsibility to start becoming more environmentally friendly in every way possible. One of the biggest attractions to using green IT is its energy savings. Using green energy will cost you so much less than using other kinds of energy. Green energy is also much more efficient. Did you know that around 30%-60% of the electricity that is used in server rooms is completely wasted? That wasted electricity becomes very costly over time, and that is not good for business. With the right moves, your company will not have to worry about wasting this kind of energy or spending so much money on energy.

Energy costs can put a damper on a business. Running a business is very costly to start with, and sometimes energy can even be more expensive than paying the employees. This is why it is very important to consider green IT. This technology is growing and extremely effective at helping the environment. The use of green energy is rising in developed countries around the world, and even in non-developed countries as well. It is coming and it is going to stay. It is time to start saving money and taking advantage of this new kind of technology right now.