



LMUG Notes

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The Prez Sez

by Shirley Watts

Is spring here yet? I am not quit sure but I think the grass is finally turning green and the flower bulbs are pushing through the ground. I know that means my Miata can come out to play! Enjoy the sunshine.

Last month's General Meeting topic was Gizmos & Gadgets.

Yours truly is the Queen of this topic, so it was very easy to start emptying my purse, pockets and briefcase to find a huge pile of gadgets.



There was a lively discussion regarding my display and I wonder why my purse is so heavy! We took a look at several sizes/types of flash drives (those little hard drives that fit on a keychain), PDAs (personal digital assistant), talking GPS (global positioning device), and Bluetooth technology, etc.

The Bluetooth headsets can now communicate, not only with cell phones, but also with your PDA & GPS devices. The GPS can be used as a speaker phone if your cell phone is Bluetooth enabled; you can send a map from your GPS to your cell phone then pass it on to you computer. Of course all devices must be Bluetooth enabled.

What is Bluetooth? It is a way to communicate wirelessly, inexpensively and automatically between electronic devices. Blue-

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APRIL MEETING

Using ebay

with Mike Nelson

Windows XP Upgrade to Vista

By Vinny LaBash, Sarasota PCUG, Florida

Previous versions of Windows always accepted an installation disk as proof you had a legitimate copy of Windows. This entitled you to install the upgrade version of the latest release of the operating system. Vista doesn't work the same way. The only thing it will recognize is a copy of Windows already installed on a hard drive. Why Microsoft did this remains a mystery, but perhaps there really are things that mere mortals are not meant to know.

Don't go out and splurge on a full version of Vista. Read on and save some money.

There are four primary versions of Vista:

- Vista Home Basic
- Vista Home Premium
- Vista Business
- Vista Ultimate

The difference between the full and upgrade versions of each variation of Vista ranges between \$72 and \$155. Even though Vista is a big improvement over XP, why spend the extra money for a full version if you don't have to?

If you're attempting to upgrade from a version of XP or Windows 2000 that's already installed on your hard drive, the upgrade version of Vista will install as soon as it recognizes the older version of Windows on your system. However, if you've

formatted your hard drive, Vista refuses to accept an installation disk from a previous version of Windows as evidence that you do indeed own a legitimate copy of Microsoft's flagship product.

Fortunately, there is a legitimate method to work around this otherwise severe and unnecessary restriction. There is an undocumented procedure that allows you to do a full clean install of Vista to a physical hard drive without a previous version of the operating system installed.

The setup program in the Vista upgrade is the tool that lets you perform a full clean install of the product. In addition to XP and Windows 2000, Vista will recognize a copy of itself that has not yet been activated. What if we install Vista twice?

We are going to install Vista, and then "upgrade" to Vista. **Before you do ANYTHING, please read the entire 20 step proce-**

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Upgrade *(cont.)*

dure first. I'll wait while you do this....

OK, let's get started.

1. Boot your PC from the Vista DVD.
2. In the dialog box that comes up select "Install Now". DO NOT enter the product key at this time. You'll do that later.
3. Turn off the option that that says Automatically activate Windows when I'm online.
4. Another dialog box comes up. Confirm the Vista installation without the product key.
5. Tell the installation program what version of Vista you're installing. Don't fib about this.
6. This step is important. Select the "Custom (Advanced)" install, NOT the "Upgrade" install.
7. Wait for the install program to copy files. Your system will probably reboot several times. Don't touch anything. Let the install complete.
8. Eject the installation DVD WITHOUT activating Vista.
9. Reboot to make sure everything is working OK.
10. Reinsert the Vista installation diskette and run setup again.

Prez *(cont.)*

tooth is a radio signal (frequency) and basically a network standard at a physical level. The protocol (type of transmission) is agreed upon by the devices which determine how many bits (0 or 1 binary code) of information are to be sent. Bluetooth was designed to get around the problems that infrared (line of sight beams) posed. Data is transfer up to 3 Mbps. Technically you can connect up to eight devices at the same time within a 10 meter distance.

Are Bluetooth devices secure?

11. Click "Install Now".
 12. Select Do not get the latest updates for installation. You can do that later.
 13. Enter the product key.
 14. Turn off the option to Automatically activate Windows when I'm online.
 15. Now select "Upgrade," not "Custom (Advanced)." This is where you do the actual "upgrade" to Vista.
 16. Pay attention! Don't do anything while the setup program copies files and does a reboot.
 17. At some point the system will ask if you would like to boot from the DVD. Decline the invitation.
 18. No matter what happens on the screen, leave the keyboard and mouse alone. Resist the urge to do something. Vista setup is making all the right choices for you automatically.
 19. The Thank You dialog box will eventually appear. Click Start.
 20. Vista's login screen will come up shortly. Enter the user name and password you created during the first installation.
- Congratulations! You're finished upgrading to Vista, but you still have a housekeeping chore

Yes to a point. Bluetooth devices must pare (be discovered) with each other then the user decides to accept/allow transmission to take place. If you don't want this to happen you can switch your device to "non-discoverable" mode. This will stop others from synchronizing with your devices. Can they be hijacked? Yes, it is called "bluejacked". Is it common? Not really, so don't let that stop you from having fun with your toys!

Anyway that is the short version of Bluetooth technology as I understand it.

to perform. You have to activate Vista within 30 days of installation or it will cease working properly. To activate Vista:

1. Reboot your machine.
2. The Welcome Center appears.
3. Click Show more details.
4. Click Activate Windows now.
5. Activation will now take place automatically over the internet.

It is unknown why Microsoft programmed this procedure into the setup program. My conjecture is that the procedure was implemented for the convenience of programmers while testing the product and someone decided that it was too much trouble to remove. Another possibility is that when Microsoft management gave the order to stop development and concentrate on fixing bugs, there was no time to remove the feature before product release. Whatever the case may be, let's use Microsoft's perhaps unintentional gift to save a few bucks.

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VistaVexes

The Windows Vista Pains'n'Gains Page

By Jan Fagerholm, Assistant Editor, PC Community, Hayward, CA

February:

Incompatibility Issues

By the time you read this, Vista will be retail. While the final version was released mid-November last year, it's not scheduled to show up as a boxed retail product until January 31st.

Vista has many new features, and not just the interface (GUI). Microsoft's new restrictions on kernel access creates problems for many applications. While this was done to reduce security vulnerabilities, it produces incompatibilities in many common applications. Here's a few I've had trouble with:

- * McAfee Internet Security Suite
- * McAfee VirusScan Enterprise
- * Norton Internet Security Suite
- * Symantec AntiVirus Enterprise
- * Cyberlink PowerDVD 7
- * ABBYY FineReader 8.0
- * Microsoft Visual Studio 2005
- * Google Earth (any version)
- * Partition Magic 8
- * PerfectDisk 8
- * Roxio Easy Media Creator Suite 9

And many more lesser known programs.

Anything that uses kernel space is going to have a problem. McAfee has been particularly vociferous about Windows insecurity and is having a semi-public fight with Microsoft right now to try and get information from Microsoft about kernel space in Vista, which Microsoft is reluctant to release for security reasons. Both Symantec and McAfee have beta versions of potential Vista-compatible products available. You decide if you want to trust your antivirus protection to a beta. . .

There are alternatives, though. Several smaller companies in

that market have released Vista compatible versions of their products. I've had success with AVG and Avast! on Vista, and am using these. Windows Defender works OK for anti-spyware and anti-phishing, though the default notification settings are intrusive, and it requires too much micro management to get the in-your-face warnings down to a reasonable level. The excellent Ad-Aware SE Pro work fine on Vista, and I'm presently using that.

Many of the applications I've had trouble with are utilities: backup programs, disk partitioners, and the like. This is to be expected, as utilities generally run much closer to the metal, so to speak, and are more sensitive to the architectural changes in Vista. I'm looking for updates or replacements for about a dozen utilities I use for system-level maintenance and recovery. Anything that is written to a particular version of the Microsoft Foundation Class (MFC) seems to have a problem. If you've ever had anything that complains about MFC422.DLL, you know what I'm referring to.

Vista uses DirectX 9 to get the Aero interface, so any application that uses DirectX will turn off Aero with a brief black screen then revert to the Windows Vista Basic theme (no transparency) before continuing. When you quit the application, it goes black screen again, then restores the Aero interface. This might not be so objectionable, if it were only games that did this, but virtually every video player (including Windows Media Player 11) does this with codecs that use DirectX to display video.

Even some non-multimedia applications do this. I like to have Visual Thesaurus 3.0 running while I'm writing. It uses DirectX to produce a graphical display of word relationships, so of course it shuts off Aero while it's running. This demonstrates what continues to be a flaw in the Windows architecture; it is still not multi-threaded, so there are many resources it cannot share.

This all sounds doom and gloom, but at least there are some nice enhancements to compensate. I'm particularly fond of the new taskbar clock, which has the ability to show three time zones simultaneously. Bring up the taskbar clock and click on the "Change date and times settings" link. There is a "Additional Clocks" tab, where you may choose one or two additional clocks and set the desired time zones. Then, when you display the clock, it will show the system time and the additional time zones that you specified. The Tool Tip also displays the additional times when you move the mouse cursor over the clock. (See below.) Also, the taskbar clock come up with a single click now, as it does in Linux.

Vista is still a bit raw. Looking at vendors Web sites, they are not rushing into Vista versions of their software, particularly device drivers for hardware. Vista will be pain along with gain for the next few months.

March:

Kernel Struggles

Applications compatibility is still slow coming in Vista. Since Vista came out, Microsoft has released one update aimed at improving applications compatibility (KB929427). While it is not unreasonable to expect vendors to update their applications, Microsoft has not been forthcoming

continued on next page

Vexes *(cont.)*

with information that vendors need. Both Symantec and McAfee (70% of the anti-virus market) are at open war with Microsoft over the lack of kernel information on Vista. Microsoft says this is for “security reasons.” This reasoning seems specious in view of That Other Operating System (Linux), which is Open Source. Anyone can download the kernel source code and study how it works, and Linux has far better security than Windows for just that reason. Everybody knows how it works; they also know just how to prevent intrusion.

So, compatibility for lots of applications has been slow coming. The Big Kahuna application vendor, Adobe, is an example. While CS2 installs and runs on Vista, they have released about 300 MB worth of patches to address “compatibility issues” in Vista. These range from visual anomalies to outright crashes. If reliability is foremost, you may be stuck in Windows XP for several months. Don’t give up that dual-boot configuration just yet. . .

Ready Boost

ReadyBoost is a new feature of Vista that lets you use a USB flash drive as part of system memory, improving what Microsoft characterizes as “system responsiveness.” It serves as storage for the system cache that gets paged to the hard drive in a low RAM machine. Computers with less than 1 GB of RAM benefit most from ReadyBoost; Vista moves a lot of the system cache to the flash drive, where it is accessed much faster than if it were paged to the hard drive.

I tested ReadyBoost by reducing the RAM on my Vista machine to 512 MB and running Vista over several sessions to get a feel of

Take Windows XP to the Next Level with the Free Vista Transformation Pack

by Dave Gerber, Progran Chair, Sarasota PCUG, FL; member of the Daves Bytes radio team

If you don’t want to shell out the cash for a copy of Windows Vista, Windows Vista Transformation Pack (VTP) is an easy and free way to emulate Vista’s look and feel. I’ve been playing around with it for a couple of hours now, and it makes for a nice change after looking at the same old XP icons and UI.

VTP bundles together many different applications that mimic Vista’s UI in different ways to give you transparent windows, a new Start Menu, a Vista Sidebar, and a new Explorer. Overall, your computer should look revitalized after installing VTP. Everything has a bit of Web 2.0 glossy sheen.

Install a Vista wallpaper, and you’re basically there. There might be some stability issues if you install VTP, so you’ll want to be sure before you install it. The

good part is that uninstallation is easy: just go to Add or Remove Programs. Some files are overwritten during the process so keep your setup CD handy if you want to undo all the changes.

If you decide to install VTP, you’ll have a lot of control over the installation. Check off the things you want changed like boot screen, process manager, or sounds and leave what you want to stay the same unchecked.

Visit Dave’s website at <http://www.davebytes.com> and click on the January 1 link and scroll down to Dave’s Cool Downloads.

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the system’s responsiveness, then adding a SanDisk Cruzer 2 GB ReadyBoost-capable flash drive to see the difference. Leaving the flash drive in the computer during startup actually lengthened boot times. (Same thing happens if you add RAM: Windows simply spends more time filling the added RAM with more system components.)

The speed difference shows up while you are running applications. Vista caches system and application pieces in memory, but lacking memory, it will simply page these off to the hard drive, which is the slowest component in the computer. When it can page these pieces to the flash drive instead, system response improves markedly.

If you do something like load Adobe Photoshop, Adobe InDesign, and CorelDRAW, and switch between the applications, there is a definite improvement in system response. Crude stopwatch testing on my part suggest 25% - 50% improvements whenever Vista works the cache. Even Flight Simulator X was faster, with less delay between scenery changes while in flight. Noted from other sources, performance improvements are best in machines with the RAM configured single-channel and barely noticeable in machines that have paired modules running in dual-channel mode.

Note that the flash drive must be ReadyBoost capable. It must meet minimum speed tests be-

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Get Organized Now!!

By Sandy Berger, CompuKISS

With today's complex world and multi-tasking, it is not surprising that we all seem to have too much to remember. The time-honored "to-do list" is still a suitable way to keep all of your tasks remembered and organized. Now the to-do list has gone high tech with Gubb an online list-maker.

Gubb is simple, effective, and free. Just surf over to www.gubb.net and click on the large Start Here button. Enter your email address and the username and password that you want to use. Gubb will present you with preformatted lists or you can create your own from scratch. Each list can have a different background color or you can make them all the same.

Gubb made PC Magazine's list of the 10 worst application names, but don't let the name throw you. Gubb is a winner despite its name. Gubb's clean and simple interface makes it easy to create lists and to add, edit, or delete items. Important items can have one, two, or three stars. You can sort items by priority, date due, completed items, or alphabetically. Especially useful is the ability to rearrange items in a list by dragging and dropping them. You can also drag and drop the lists themselves to position them on your screen. If your lists get too long, you can collapse them so you see only the title, opening them to full length as you need them.

If crossing items off your list as you complete them gives you a sense of satisfaction, Gubb will let you perform that task quite easily. Just click in the check box next to each item and Gubb puts a line through the item and marks it as completed. Gubb can also move the item to a completed list automatically or you can set it up so that you can archive your completed items at the end of the

day, or any time of your choosing. If at anytime you need to see if, or when, you completed a task, you simply click on the name of the list to look at all the completed items and the time and date that you marked them complete.

These features alone make this Web service worthwhile, but there is more. You can share your lists with others. You can email or text message items right into your lists. You can have any of your lists emailed to yourself or to others. If you have an Internet-connected cell phone, lists can also be sent to your phone. So if you were in a grocery store and needed your shopping list, with the right equipment, you could access it from Gubb on your cell phone. All this may sound a bit complicated, but Gubb has done an exemplary job of keeping all these tasks easy to do.

My husband and I have each created multiple lists. We also have several lists that we share. Since we work together, this has really helped keep us organized both at home and at work. He can add items to my office or home lists and I can add anything I like to his office or home "honey-do" list. Gubb is helping us keep synchronized as well as organized.

Gubb is not perfect, but it is close. My complaints are pretty minor. I would love the ability to create several categories within

each list. I would also like to be able to easily see if my husband added something to my list or vice versa. The program offers 3 shades of each of the following colors: blue, red, yellow, green, orange, pink, and gray. That's 21 colors to choose from so I am really being picky when I say I would like to be able to use purple, turquoise blue, and lime green for my lists. Okay, I know I am being hard to please, but maybe the Gubb creators will accommodate my wishes.

A recent survey showed that 25% of New Year resolutions are completely forgotten, but now you can use Gubb to resurrect your "I am going to be more organized." resolution. Sometimes getting organized means buying shelves, bins, baskets, and folders, but if you have an Internet-connected computer, Gubb will help you get organized without any expense. Go ahead. Do it. It will feel great to get all those scraps of paper and to-do notes off your desk and to get all those to do items off your mind. I know, because Gubb has helped me do just that!

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Vonage - A Satisfied Customer's Review

by Jerry Heere, LMUG, Lancaster, PA

I've been using Vonage for over 2 years and have been very satisfied. The cost for the Unlimited plan is \$24.99/month plus FET tax (\$.75) and Regulatory Recovery Fee (\$1.50) for a total monthly cost of \$27.24. That's what I paid the first month and the rate has not changed. (Since I wrote this one of the taxes was increased and the total is now \$28.43) That price covers ALL calls anywhere in the US, Canada, and Puerto Rico. Recently added are free calls to the following countries: Italy, UK, France, Ireland and Spain with the following Exclusions: free calls to Europe offer does not apply to calls to cell phone numbers or to special services numbers such as toll-free or caller-paid information services or 900 numbers.

(There is also a plan for \$14.99/month plus tax etc that gives you 500 minutes/month and a rate of 3.9 cents per minute above 500 minutes)

There is an extensive list of special rates to practically every country in the world, some as low as \$.05. If you are interested in the list of International rates, go to the following website:

http://www.vonage.com/intrates.php?lid=nav_intrates

There are all kinds of features included at no extra charge such as: Voice Mail, Call Forwarding, Call Waiting, Caller ID with Name, Caller ID Block (*67), Repeat Dialing, Call Transfer, Call Return (*69) (yes, this is free also), 3-way Calling, 911 and you can even set your Vonage to automatically forward your calls to your cellphone or any landline if your internet connection is interrupted for any reason. There are probably more but that's all I can remember at the moment.

I believe there is a charge for their 411 service but why use that when there is a free directory assistance service now 1-800-FREE-411. That's a toll free number but it doesn't matter because all calls on Vonage are free (Except the international calls listed above), although the 911 service has some limitations.

You will need a high speed (broadband) connection like Cable or DSL. (I am using Prolog's cable.) You will also need a router. If you don't already have one, there is at least one model router that I've seen (Linksys I believe) that has the Vonage adaptor built-in. If you already have a router, there is a separate Vonage adaptor available that plugs into one of the ports on your router using the same kind of cable (Category 5) that connects your computer to the router.

I had heard horror stories about setup problems with Vonage. Well, it takes about five minutes, if you're slow like me. Also, I bring the Vonage adaptor along to Florida each year and plug it in to my router and it works right away. It doesn't matter where you are - all calls are still free.

I think this is the correct order for installation, but it could have changed since I set it up two years ago:

First, you plug any phone you want to use into the Vonage adaptor (just like plugging it into the wall in your home), then you plug the adaptor into the router. Of course, there is one more little black power supply you'll have to find an outlet for and plug the other end into the Vonage adaptor. Then pick up your phone and you'll hear a dial tone, which indicates you are ready to make your first call.

At some point you'll have to setup Voice Mail and 911 and whatever other options you want just like any new phone service, but that can be done anytime.

If you didn't already own a router and bought one of the combination router/adaptors, you'll have to disconnect your cable or DSL line from your computer and connect it to the router, then run a separate line back to your computer. Also, if you didn't have a router before, this installation will give you an extra measure of security because a router is probably the best firewall you can get for your computer.

One shortcoming of this setup is that your telephone is physically located wherever your Vonage adaptor is installed. I found a way around that: From my dial-up days I had two phone lines in my home and 2-line telephones throughout the house. Well, I had the phone company disconnect line #2 and I plugged the Vonage adaptor into the #2 line and now I have Vonage as line #2 on every phone in the house. (I'm told you

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should make sure the phone line is physically disconnected at the junction box outside your home so no transient voltage can ever show up on Line #2)

I kept one line with the phone company in case of cable outages but I have friends who are using Vonage only and use their cellphones in case of an outage. (I don't have cell service where I live so that's another reason I kept one landline.) Eliminating one landline covers the monthly cost of Vonage.

Also, I had Line #1 (my remaining landline) set for restricted use, so NO toll calls can be accidentally made on that line – we make them all on Vonage.

There are other similar companies who supply service like Vonage (which is called VOIP-Voice Over IP) but I have no experience or knowledge of any of them.

Now for the commercial: Vonage has referral program and it currently works like this: If you are considering Vonage, just send your email address to me at jheere@ptd.net. I will send you a coupon email that will entitle you to one free month. I will receive a credit for 2 free months (approx \$50, which I will donate to the LMUG treasury).

As far as the hardware is concerned, you can buy it at most of the electronic stores – it's usually free after rebates. However, in order to take advantage of the referral program it's necessary for you to order the equipment from Vonage. They have many options but there is a FREE adaptor for those who have a router and there is also a FREE combination adaptor/router available if you don't currently have a router. Most of their adaptors have provisions for two Vonage lines and they will try to sell you a second line for fax, but I can tell you that I have sent faxes on my one &

only Vonage line (even though they told me I can't)

A few additional comments:

1) Vonage support has been good on the few times I called. They have email support 24/7 and I believe phone support is now also 24/7. (Free call, of course)

2) One other inconvenience I experienced is noise on the Vonage line if I am downloading or uploading on my computer when someone is on the phone. Linksys routers have an option to give priority to voice, but my Netgear router does not have this option. (I don't know about D-Link) I just don't make any big uploads or downloads while using the Vonage line.

3) One final comment is about selecting a Vonage phone number. You need to look into the various selection possibilities. In some areas you can actually keep your original landline number. Also, you have the option to select a number from almost any area code in the country and will still be free calling, for you... e.g.: if you live in PA and most of your family lives in California, you could pick a California phone number and your family could call you free, but then local people in PA would be calling long distance. Confusing? Yes, a little, but like I said, give it some thought and explore the possibilities before you make a decision.

You are welcome to call me if any of this isn't perfectly clear: 1-717-484-4922.

FOR SALE

LMUG Logo polo shirts. Teal or gray shirts with teal & silver embroidered logo. Men's sizes M and L available. \$20 each. Email LMUGnotes@aol.com to order yours or ask about them when you attend the next LMUG General Meeting.

Scanning Published Photos

By Irving Elliott, Twin Cities PC User Group, Minnesota

If you scan a photo from a newspaper or magazine, then examine the results on your computer screen, you may see a criss-cross pattern of fuzzy lines over the entire print. If you print the scanned photo, you may also see such a pattern. This happens because pictures in newspapers and magazines are printed in a "halftone" mode.

The halftone process was invented when it was desired to print black-gray-white photographs using a printing press that used only single-color black ink. In this process, the photo is divided into a pattern of small squares, then each square is replaced with a black "blob" of a size proportional to the average shade of black in the square. For example: a white square remains white; a light gray square becomes a small black blob; a dark gray square becomes a larger black blob; a black square remains black. The gray shades were called "half-tones", which explains the name of the process. Originally, the conversion was done by re-photographing the picture with a camera that contained a wire screen. then developing the picture in a high-contrast mode. Nowadays, the process can be accomplished on a computer.

If the density (squares per inch) of the scanned picture is not an exact multiple of the pixel density of the scanner, computer screen, or printer, an interference pattern occurs. They may also appear if the original photo is slightly rotated after scanning.

Colored pictures from publications may also give you interfer-

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ence patterns. For these, the halftone process uses filters to split the image into more than one black-gray-white photo, with each photo representing the intensities for each color.

In each resulting halftone, the blob pattern is slightly offset from that of the other halftones. The picture is reproduced by printing the same paper once for each halftone, in the corresponding color. The printing press does not print one color on top of another because of the slight offset of the halftones.

You can



The photo above shows the moiré (mor-ay) pattern that results when scanning halftones. The photo below has been retouched in a photo-editing program to remove the pattern.



get rid of the interference pattern by processing the picture with any photo software package that has a "blur" or "soften" selection. For example, in Paint Shop

Pro, the IMAGE/SOFTEN menu selection spreads the black blobs so that the fuzzy bars magically disappear.

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Reminder:

Gift certificates for a LMUG membership are available from our treasurer. Have anyone interested in computers on your gift list? This is a gift that keeps on giving.

Vexes (cont.)

fore Vista will use it. Every other flash drive I own fails this test. When you go to the store, make sure the package says the flash drive is ReadyBoost capable. A side benefit of ReadyBoost is that if you don't want the flash drive for ReadyBoost, you can get an ordinary 2 GB drive for as low as \$14.

So, this month, I found out how much faster I can't run my incompatible applications using ReadyBoost in Vista; the Microsoft version of Catch-22. Stay tuned for more misadventures.

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Everyone on the list will see your reply.

You should get back a copy of the message.

LMUG Events – April 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9 <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">LMUGnotes deadline</div>	10 Quicken/Quick Books SIG 7:00 p.m. Fieldcrest Room Brethren Village 3001 Lititz Pike	11	12	13	14
15	16 Digital Imaging SIG 7:00 p.m. Fieldcrest Room Brethren Village 3001 Lititz Pike	17 Q & A SIG 7:00 p.m. Borders	18	19	20	21
22	23	24 Website Builders SIG 7:00 p.m. 16 Birch Ct. Lancaster	25 Board Meeting - 5:30 p.m. General Meeting and Program - 7:00 p.m. Fieldcrest Room, Brethren Village	26	27	28
29	30	31	Upcoming Events for May www.lmug.org/events.html May 8 - Quicken/Quick Books SIG May 15 - Q&A May 21 - Digital Imaging SIG May 22 - Web Site Builders SIG May 30 - Board Meeting; General Meeting			

LMUG SIGs (Special Interest Groups)

SIG	Mtg. Date	Time	Location	Leader	Phone	email
Family Tree Maker	(contact SIG leader for appointment)			Jeannette Wolff	569-6955	jtwoff1@verizon.net
Quicken/Quickbooks	2nd Tues.	7:00	Brethren Village	Jerry Heere	484-4922	jheere@ptd.net
Digital Imaging	3rd Mon.	7:00	Brethren Village	Darryl Nicholas	872-2183	colorbat@colorbat.com
Q&A	3rd Tues.	7:00	Borders	Shirley Watts	397-1366	wattscrew@comcast.net
Web Site Builders	4th Tues.	7:00	Larry's home	Larry Perkins	872-5528	cyberperk@techie.com

Don't see one for you? Consider starting a new SIG!