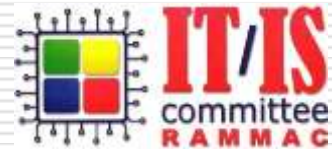


# R&D Subcommittee

June 2010

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# IT News - Google



The classic multi-colored Google logo.

Partners with VMWare to boost up Google App Engine.  
Example, later in 2010: hosted SQL databases and SSL on your company's domain for secure communications

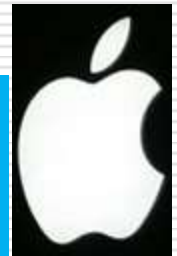
**Google generated \$54B for the economy in 2009**

**AdWords advertisers on average see \$2 in revenue for every \$1 spent on ads with Google**

The Google TV logo, featuring the word "Google" in its multi-colored font followed by "tv" in a simple black font.

**Arriving Fall 2010. \$70B /year ad business. Goal: bring the Web to TV. Pic-in-pic. Will consist of Android-based devices.**

Apple (\$222B) dethrones Microsoft (\$219B) as the world's largest tech company.





## Cars' Computer Systems Called at Risk to Hackers

The scientists say that they were able to remotely control braking and other functions, and that the car industry was running the risk of repeating the security mistakes of the PC industry.

## Nokia, Harman Connect the Car to Smartphones

In one example, a car low on gas/petrol would alert the phone, which would then search for a list of nearby gas stations

# New products: Light Peak. The end of USB?



## Light Peak offers:

- ✓ 10Gbps throughput, up to 100m
- ✓ ability to run multiple protocols: you connect all your devices with a single cable
- ✓ Multiple protocols
- ✓ Bi-directional transfer
- ✓ Hot pluggable
- ✓ It can scale up to 100Gbps
- ✓ First devices supporting Light Peak in 2011
- ✓ Single universal replacement for [SCSI](#), [SATA](#), [USB](#), [FireWire](#), and [HDMI](#).

At a demo, Intel showed a laptop with a Light Peak cable in a USB 3.0 port that simultaneously transmitted a Blu-ray video and HD camcorder footage and managed a second monitor.

Intel is working on bundling the optical fiber with copper wire so Light Peak can be used to power devices



# Windows 7 Features - PSR



**Have users record steps to help them troubleshoot.  
Output file is in zipped .mhtml format**

## IT Tips

**Create drop-down list in Excel**  
Create list; on separate cell select Data | Data Validation | Allow | List. Select source and check "In-cell dropdown"



# New products: Google Goggles



## Google Goggles

Use pictures to search the web.

Image-based search for mobile devices. Currently works with landmarks; being expanded to plants/animals and virtually anything

# The Future of IT depts



## Client Network

90+% of the Fortune 100

85% of the Fortune 500

50+ countries represented

4,800+ participating organizations

200,000 business leaders

25+ years of experience

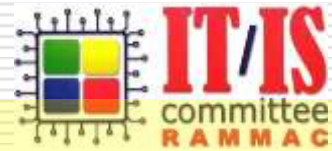


The Corporate Executive Board enables superior business outcomes by delivering authoritative data and tools, best practice research, and peer insight to the leaders of the world's great enterprises.

With more than 300,000 corporate best practices, 1,500 benchmarking datasets, and 11,500 analytical tools, the Corporate Executive Board serves senior-most executives across the Human Resources, Legal, Finance, Information Technology, and Sales and Marketing functions and their management teams within the world's top corporations, financial services institutions, government agencies, and not-for-profit organizations

**Summary:** By 2015, many IT departments will only be a quarter of their current size, and eight out of ten IT dollars going to outside service providers.

# The Future of IT depts



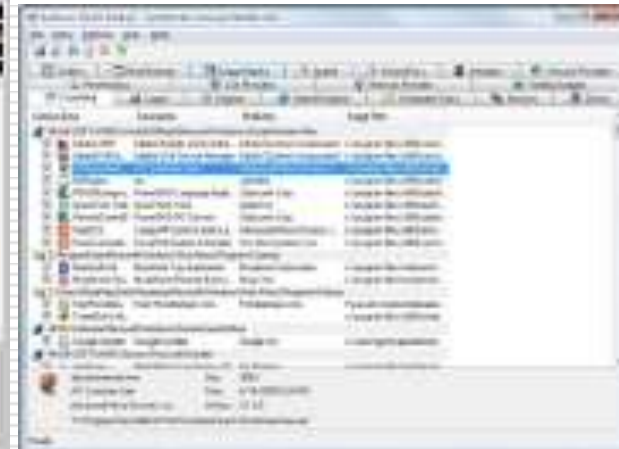
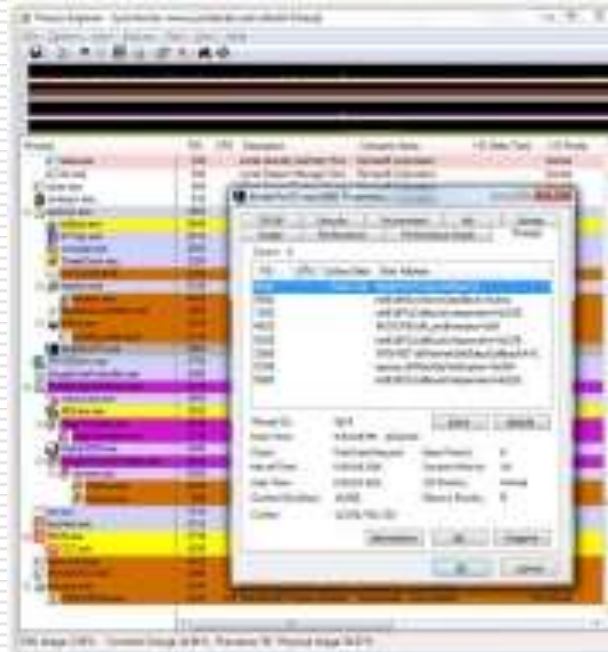
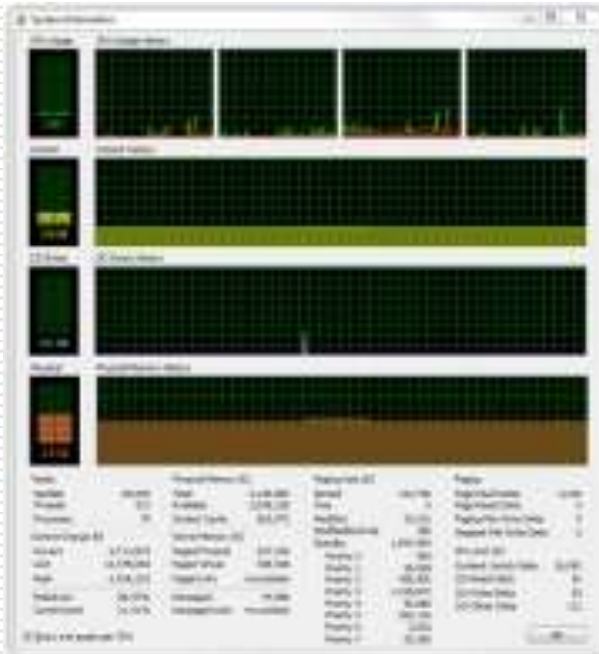
## Five shifts:

- 1) **Information over process:** IT ubiquitous as electricity; advantage comes from BI, collaboration, customer interface, not fm server farm
- 2) **IT embedded in business service:** less visible as distinct, separate dept
- 3) **Externalized service delivery:** by 2015, 80% of app expending will be in external services. IT pros shift from tech providers to tech brokers
- 4) **Greater business partner responsibility:** IT business partners help companies gather competitive differentiation
- 5) **Diminished standalone IT role:** IT roles migrate to business services, business roles or externalized. IT headcount falls by 75%. Strategy, architecture, risk, user support, will be at the business level, not IT functions

# The Top Ten Windows Tools for IT Pros

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**Sysinternals Suite: An absolute must-have set of tools:**  
**Process Monitor, Autoruns, RootkitRevealer, etc**



# The Top Ten Windows Tools for IT Pros

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## [HWINFO32 – A Powerful System Information Tool for Windows](#)

What kind of CPU is in the PC you're using? Does it support hardware virtualization so that it can run Virtual Windows XP Mode under Windows 7? How old is the BIOS? Are all of its core hardware components running within normal voltage parameters? Are any components overheating or otherwise misbehaving?

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# The Top Ten Windows Tools for IT Pros

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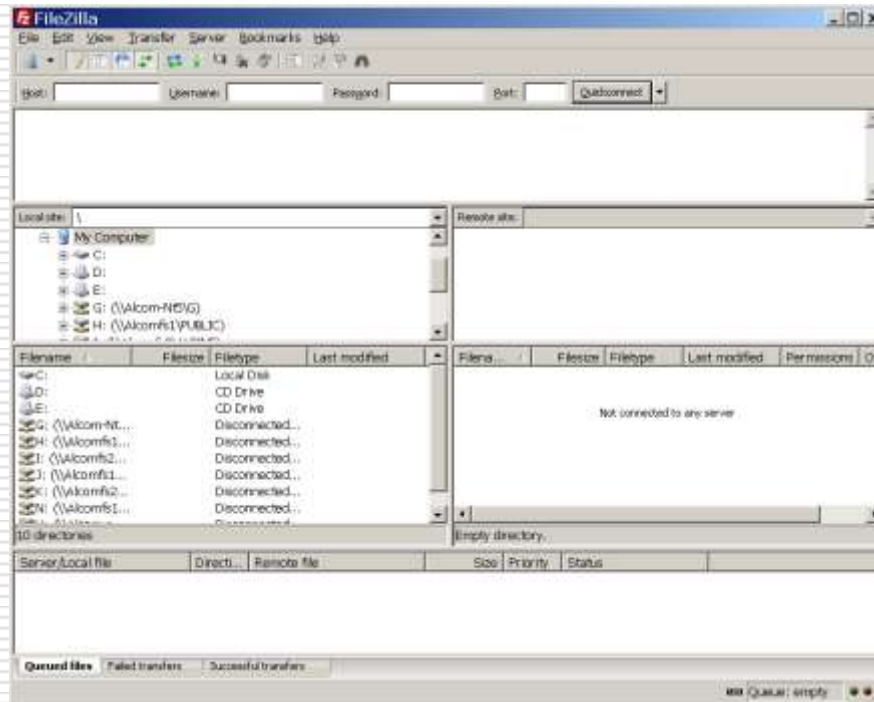
## Recuva

With Recuva, you can recover deleted files from almost any Windows-compatible storage media, including removable disks and thumb drives. It works by scanning the disk for orphaned file data and giving you the option of recovering what it finds.

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# The Top Ten Windows Tools for IT Pros

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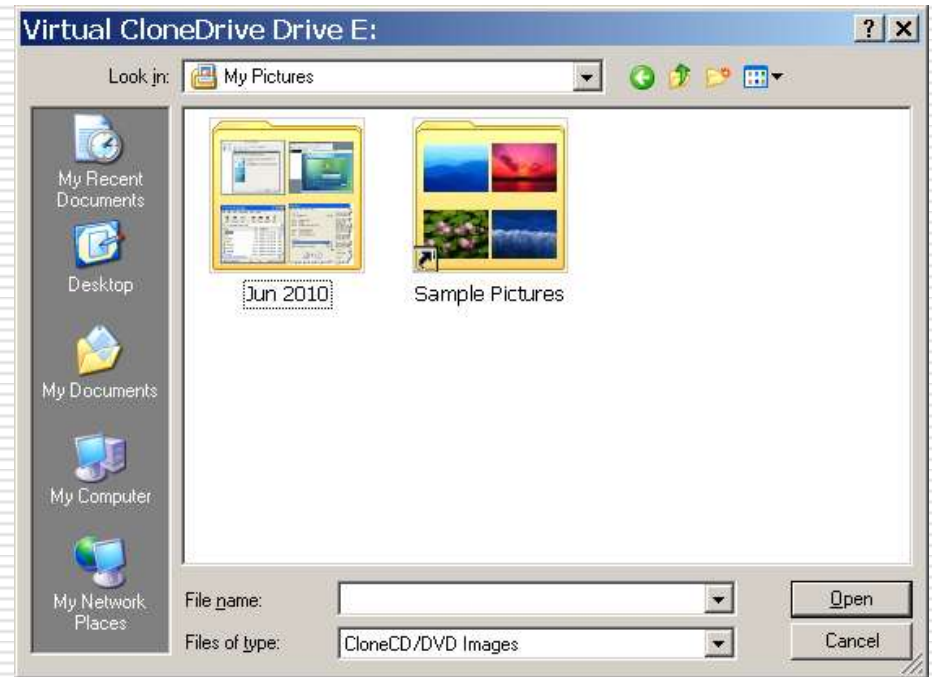
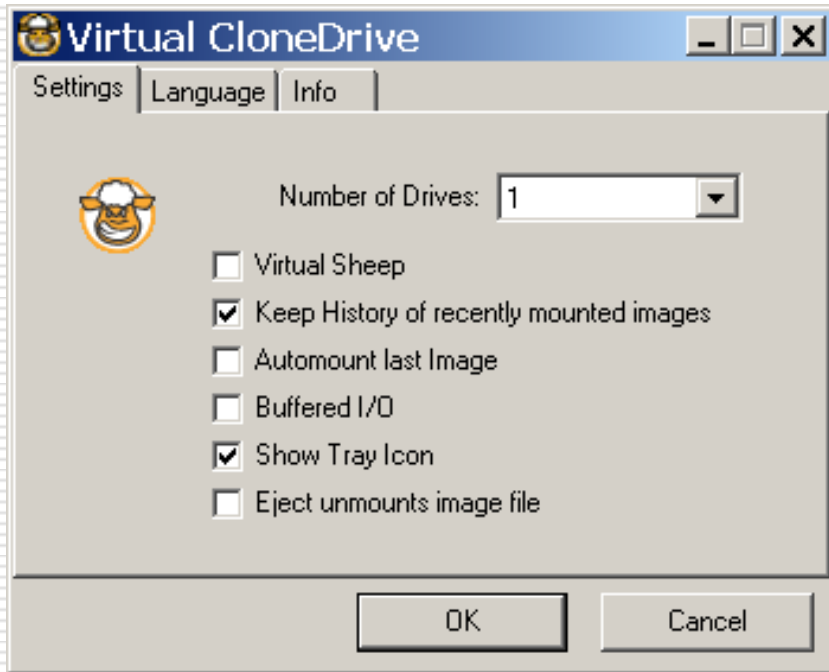


## [FileZilla – One of the most powerful FTP clients available](#)

Now in its third major generation, this capable if somewhat homely application makes transferring large quantities of files a snap. A capable queue management system helps keep the uploads and downloads humming along while a nearly endless selection of configuration options and protocol tweaks ensures that, whatever the situation, FileZilla will come through every time.

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# The Top Ten Windows Tools for IT Pros

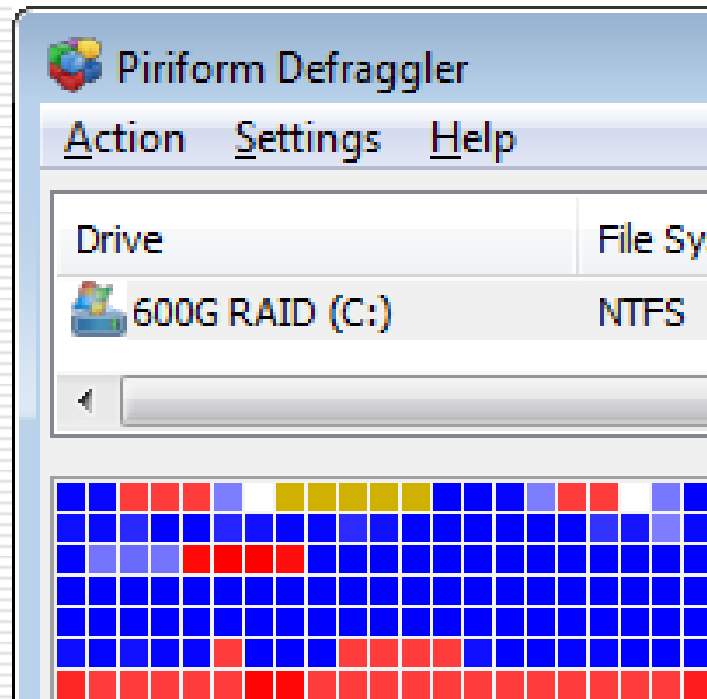


## Virtual CloneDrive

Simple to use and highly compatible with all versions of Windows, VCD makes it easy to mount and access an ISO image. Just right-click the VCD tray icon, select Mount from the context menu, and point the ensuing file open dialog to the desired ISO file. The image then appears as a virtual CD-ROM drive in Explorer, allowing you to access its contents like a real disk.

# The Top Ten Windows Tools for IT Pros

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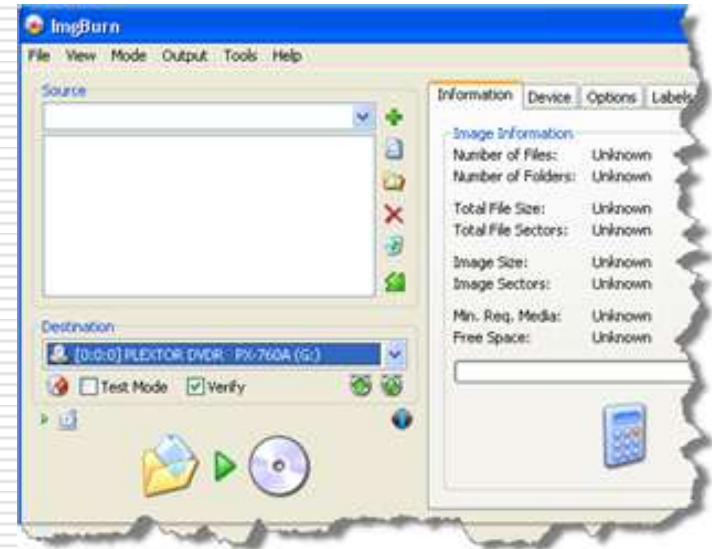
## Defraggler – Excellent Defragmentation Utility

Defraggler is a Windows disk defragmentation utility that provides tremendous control over the entire defragmentation process. With Defraggler, you can defragment individual files, folders, or an entire disk. Need to speed up access to that massive database file? Defraggle it. Want to improve performance for newly created files? Defraggle your disk's free space.

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# The Top Ten Windows Tools for IT Pros

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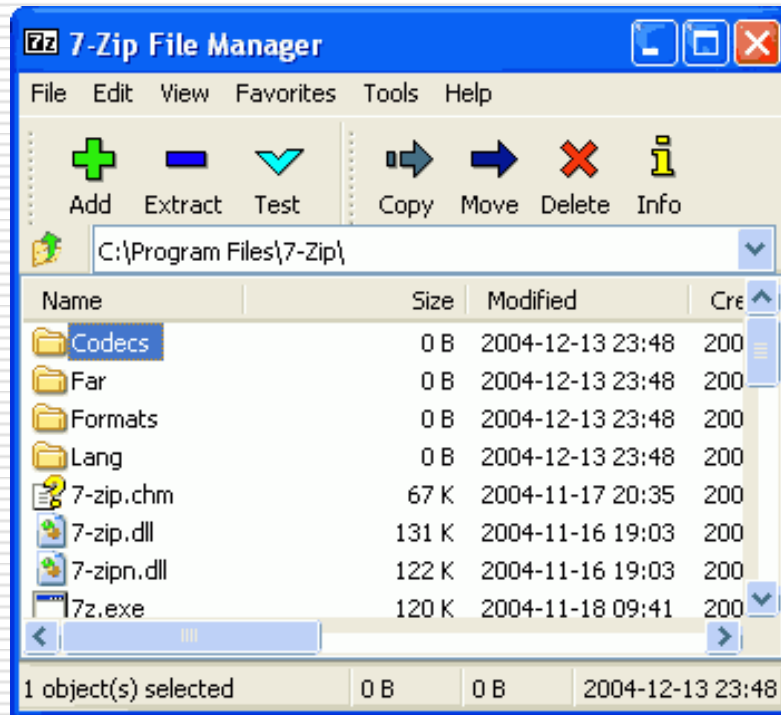
## ImgBurn – The gold standard for freeware image burning tools

ImgBurn lets you transfer virtually any kind of ISO image to virtually any kind of writeable optical media. ImgBurn's simple, straightforward interface makes quick work of most common burning tasks, while its more advanced modes let you handcraft your own disc image, including defining the disk format, directory structure, and numerous other custom parameters.

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# The Top Ten Windows Tools for IT Pros

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Supported formats:  
Packing / unpacking: 7z, ZIP, GZIP, BZIP2 and TAR  
Unpacking only: ARJ, CAB, CHM, CPIO, DEB, DMG, HFS, ISO, LZH, LZMA, MSI, NSIS, RAR, RPM, UDF, WIM, XAR and Z.

## **7-Zip –A file archiver with a high compression ratio.**

7-Zip is an open source archiving utility that improves upon Windows' basic capabilities, adding support for additional formats -- including its own, high-ratio compression algorithm -- while remaining lean, mean, and true to its original purpose.

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# The Top Ten Windows Tools for IT Pros

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## VirtualBox – Delivers tremendous virtualization power

VirtualBox installs quickly, requires very little study, and includes all the essentials. It supports Windows, Linux, Solaris, and Mac OS X hosts and guests (including 64-bit editions), Intel VT and AMD-V hardware virtualization extensions, OpenGL and DirectX 3D graphics acceleration, VMware and Microsoft virtual hard disk formats, and of course, stateful VM snapshots.

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# The Top Ten Windows Tools for IT Pros

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SysInternals Suite

<http://technet.microsoft.com/en-us/sysinternals/bb842062.aspx>

HWINFO32

<http://www.hwinfo.com/>

Crap Cleaner

<http://www.piriform.com/ccleaner>

Recuva

<http://www.piriform.com/recuva>

FileZilla - FTP Server/Client

<http://filezilla-project.org/>

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# The Top Ten Windows Tools for IT Pros

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Virtual CloneDrive

<http://www.slysoft.com/en/virtual-clonedrive.html>

Defraggler

<http://www.piriform.com/defraggler>

ImgBurn

<http://www.imgburn.com/>

7-Zip

<http://www.7-zip.org/>

VirtualBox

<http://www.virtualbox.org/>

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